Class Schedule Summer/Fall 2013

Look Inside for...
- Online Classes
- Short-Term Classes
- Late-Start Classes

Apply, register, and pay online

Summer Semester begins
June 17, 2013

Fall Semester begins
August 19, 2013

www.chabotcollege.edu
“Each person shines with his or her own light. No two flames are alike. There are big flames and little flames, flames of every color. Some people’s flames are so still they don’t even flicker in the wind, while others have wild flames that fill the air with sparks. Some foolish flames neither burn nor shed light, but others blaze with life so fiercely that you can’t look at them without blinking, and if you approach you shine in the fire.”

~Eduardo Galeano
Latin American essayist and activist

Message from Chabot College’s President

Welcome to Summer and Fall Semesters 2013!

I hope that as you read this message, you are already a student at Chabot College. Our community of teachers and learners has much to offer you----ideas that will challenge and expand your understanding of yourself and our complex world. Whether your goal is transfer and graduate training, or the wonderful accomplishment of a skilled trade at high demand in today’s marketplace, Chabot offers you the support and excellent instruction that will help you to reach your individual goal.

Most importantly, you will enter a community of learners who value you: your gifts, your experiences, and your dreams for the future. You will learn not only from your professors but also from other members of our college community---our talented staff and, of course, from your fellow students. Let your individual light shine. It will be fueled by our unique and diverse community.

Susan Sperling, Ph.D.
Chabot College President
STUDENT CONDUCT AND DUE PROCESS POLICY

The Chabot-Las Positas Community College District encourages all students to pursue academic studies and other college-sponsored activities. In pursuit of these goals, the student should be free of unfair or improper action from any member of the academic community. The District accords every student the right or protection. Students, however, are responsible for complying with college and district regulations and for meeting the appropriate college requirements. The Colleges have an obligation to maintain conditions under which the work of the colleges can go forward freely, in accordance with the highest standards of quality, institutional integrity and freedom of expression. In joining the academic community, the student enjoys the right of freedom to learn and shares responsibility in exercising that freedom. A student is expected to conduct himself or herself in accordance with standards of the college. For more information, refer to the college catalog.

PUBLICATION STAFF

Paulette Lino
Publication Coordinator
Noell Adams
Graphic Artist/Layout
Maguerite Thomas
Class Listing Editor
Angela Villasana
Class Listing Editor

The Chabot - Las Positas Community College District reserves the right to cancel classes, to make other changes as college needs require, and to change, without notice, any of the information, requirements and regulations in this schedule of classes.
IMPORTANT DATES

SUMMER AND FALL 2013 REGISTRATION DATES

April 24 ................................................................. Veterans, Foster Youth students
April 25 – 26 ......................................................... Title 5 (EOPS, DSPS) students
April 29 ................................................................. College Priority (Athletes, Trio, CalWorks, etc)
April 30 ................................................................. Continuing students (by priority)
May 11 ................................................................. Early Decision students (HS seniors graduating in June 2013)
May 15 ................................................................. New & Returning (former) students
May 28 ................................................................. Concurrent Enrollment student registration for Summer 2013
August 5 ................................................................. Concurrent Enrollment student registration for Fall 2013

SUMMER 2013 SESSION DATES

June 17 – August 8 ....................................................... 8-week session
June 24 – August 1 ....................................................... 6-week session
August 12 ................................................................. Instructors: Summer 2013 grades due

FALL 2013 ACADEMIC CALENDAR

August 19 ................................................................. Fall 2013 Instruction begins
August 24 ............................................................... Last day to ADD/DROP with No-Grade-of-Record (NGR)
August 30 ............................................................... In-person (FULL-TERM classes)
August 31 ............................................................... No Saturday classes
September 2 ........................................................... Last day to ADD/DROP with No-Grade-of-Record (NGR)
September 2 ........................................................... Online (FULL-TERM classes)
September 3 ........................................................... HOLIDAY – Labor Day
September 13 ........................................................... CENSUS Day (FULL-TERM classes)
October 30 ............................................................... Last day to apply for Degree / Certificate
November 8 ............................................................. Last day to withdraw with “W”
November 9 ............................................................. In-person and Online (FULL-TERM classes)
November 11 ............................................................. HOLIDAY – Veterans Day
November 27 – 30 ..................................................... HOLIDAY – Thanksgiving
November 30 .......................................................... No Saturday classes
December 7 ............................................................. Last day of instruction for Saturday classes
December 13 ........................................................... Last day of instruction – all classes
December 14 – 20 .................................................. Finals (inside back cover)
December 24 – January 1, 2014 ............................... Winter recess (no instruction)
January 6, 2014 ....................................................... Instructors: Fall 2013 grades due

DROP FOR NON-PAYMENT DUE DATES

June 19 and August 1
ACADEMIC DIVISIONS
Applied Technology & Business .............................................. 510.723.6653
Language Arts ................................................................. 510.723.6804
Health, PE, & Athletics ...................................................... 510.723.7484
School of the Arts ......................................................... 510.723.6829
Science & Mathematics ....................................................... 510.723.6898
Social Sciences .............................................................. 510.723.6670

To access each division's website, visit: www.chabotcollege.edu/academics

CAMPUSSAFETY AND SECURITY
Emergency Only .......................................................... 911
Non-emergencies ...................................................... 510.723.6923

STUDENT SERVICES
AND COLLEGE PROGRAMS
Admissions and Records Office ............................................. 510.723.6700
Building 700 1st Floor
www.chabotcollege.edu/admissions
Assessment Center ......................................................... 510.723.6722
Room 714
www.chabotcollege.edu/counseling/assessment
Bookstore ................................................................. 510.723.2650
Building 3800
www.chabot.bkstr.com
Career and Transfer Center ................................................. 510.723.6720
Room 761
http://www.chabotcollege.edu/Counseling/TECS/
Children's Center ......................................................... 510.723.6684
Building 3500
www.chabotcollege.edu/childrenscenter
Communication Lab ....................................................... 510.723.2630
www.chabotcollege.edu/commstudies/CSL.cfm
Counseling ................................................................. 510.723.7013
Room 755
www.chabotcollege.edu/counseling
Daraja Program .......................................................... 510.723.6900
Room 767H
www.chabotcollege.edu/daraja
Dental Health Programs Clinic ........................................... 510.723.6900
Room 2200
www.chabotcollege.edu/dhyg
Disabled Students Programs and Services (DSPS) ............... 510.723.6725
Building 2400
www.chabotcollege.edu/dsrc
Extended Opportunity Programs & Services (EOPS) .......... 510.723.6909
Room 767L
www.chabotcollege.edu/specialprograms/eops/index.cfm
Financial Aid Office ..................................................... 510.723.6748
Building 700 1st Floor
www.chabotcollege.edu/finaid
International Students .................................................. 510.723.6715
Room 706
www.chabotcollege.edu/international

KCTH-27 ........................................................................ 510.723.7604
www.chabotcollege.edu/tv
KCRH-FM .................................................................... 510.723.6954
www.chabotcollege.edu/KCRH
Language Center (ESL support) ........................................ 510.723.6764
http://www.chabotcollege.edu/languagearts/ESL/languagecenter.asp
Learning Connection ..................................................... www.chabotcollege.edu/learningconnection
Library ........................................................................ 510.723.6764
Building 100 2nd floor
www.chabotcollege.edu/library
Non-emergencies ...................................................... 510.723.6923
Online Services/Photo ID ............................................... 510.723-6770
Room 709
http://www.chabotcollege.edu/StudentLife/photoid.cfm
PAC Program ............................................................. 510.723.6976
www.chabotcollege.edu/PAC
Puente Program ........................................................ 510.723.7677
www.chabotcollege.edu/puente
Registered Nursing Program ............................................ 510.723.6910
Room 709
www.chabotcollege.edu/registerednursing
Spectator Newspaper .................................................... www.thechabotspectator.com
Student Health Center .................................................... 510.723.6923
Room 120
www.chabotcollege.edu/healthcenter
Student Life, Associated Students of Chabot College ........ 510.723.6914
Room 2355
www.chabotcollege.edu/studentlife
Student Life, Performing Arts Center (TeCS) ..................... 510.723.6923
www.chabotcollege.edu/PAC
Vice President, Student Services ....................................... 510.723.6743
Room 708
www.chabotcollege.edu/studentservices

AlertU
GET EMERGENCY TEXT ALERTS ON YOUR CELL PHONE
Sign up is SIMPLE:
Text Chabot to 253788. Reply Y.

Alerts are sent only in case of Chabot emergency. Only Chabot officials will send texts.
You must sign up to get alerts. No spam. Your information will not be shared with third parties.
Service is free, but text message rates apply. Used by many colleges. Friends and family can sign up, too. Opt out at any time. Learn more at http://www.chabotcollege.edu/safety/alertu.asp

Chabot College • Summer/Fall 2013 Class Schedule 3 510.723.6600 • www.chabotcollege.edu
GETTING STARTED

LOG INTO CLASS-Web OR THE ZONE TODAY!

- Look up your student ID number
- Register for your classes (page 12)
- Pay your fees
- Sign up for a payment plan (if needed) (page 16)
- Review your unofficial transcript
- Order and pay for your parking permit (page 16)
- View your class schedule
- Order your textbooks
- Check the status of your Financial Aid
- And more!

1 APPLY ONLINE

Apply online at www.chabotcollege.edu. All admitted students are assigned a unique student identification number (W number). Wait 2 business days then proceed to CLASS-Web to access your W number:

- Go to www.chabotcollege.edu.
- Click on the “CLASS-Web” icon.
- Log in with your Social Security number as your username. Your PIN/PASSWORD is initially set to your birthday in numerical format: MMDYY (month, day, last two numbers of the year).
- Log in and click the “What is my W ID?” link.
- If you forgot or disabled your PIN, go to the Admissions and Records Office or send an email to: ccarcom@chabotcollege.edu.

2 SUBMIT OFFICIAL TRANSCRIPTS

Submit your official high school and/or college transcripts to the Admission and Records Office. (Note: If you are only taking personal enrichment classes with no prerequisites, you may not need to complete this step. Check with a counselor to confirm.)

3 TAKE AN ASSESSMENT TEST

You must take the assessment test if you plan to register for certain English, Math, or ESL classes or any class requiring the assessment test to prove appropriate skill level. (Refer to page 9 for assessment dates and times.)

4 ATTEND AN ORIENTATION

Complete the college online orientation and attend a group counseling session to plan your educational program prior to registering for classes. (Refer to page 7 for more information.)

5 REGISTER FOR CLASSES ONLINE

Log into CLASS-Web or The Zone to register for classes online. Special registration assistance is available to students with disabilities through the Disabled Student Resource Center (Building 2400).

- Go to www.chabotcollege.edu.
- Log in to CLASS-Web or The Zone.
- Click the “Registration” link.
- Click the “Add/Drop Classes” link.
- Select the term and click the “Submit” button.
- Enter the course registration number (CRN).
- Click the “Submit Changes” button.

6 PAY YOUR FEES

ONLINE: Log into CLASS-Web or The Zone to pay your fees online using a credit card.

MAIL: Send a check or money order for full payment to the Admissions and Records Office, 25555 Hesperian Blvd., Hayward, CA 94545. Allow 1-2 weeks to process payments by mail. DO NOT SEND CASH.

7 BUY YOUR PARKING PERMIT

Order and purchase your parking permit online after logging into CLASS-Web or The Zone. Parking permits are valid for one semester and may only be purchased after you have registered in at least one course. (Refer to page 16 for more information.)

8 GET YOUR STUDENT ID CARD

Visit Student Online Services (Building 700) to get your free student ID card. (Note: If you already paid the $10 student activity fee, a “valid” sticker to be placed on the back of your ID card will be mailed to you before the first day of the semester.)

9 BUY YOUR BOOKS

IN-PERSON: Visit the Bookstore (Building 3800).

10 ATTEND YOUR CLASSES

Attend the first day of class. Failure to attend may result in being dropped from class.

GET OUT OF THE LINE, GO ONLINE!

www.chabotcollege.edu
ADMISSION ELIGIBILITY
To be eligible for Chabot College admission, student must be at least 18 years old or have one of the following:
» U.S. High School Diploma
» General Education Degree (GED)
» California High School Proficiency Certificate

APPLYING FOR ADMISSION
Apply online at www.chabotcollege.edu.

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>APPLICATION PROCEDURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW</td>
<td>Apply online.</td>
</tr>
<tr>
<td>FORMER</td>
<td>Reapply online if you last attended more than two terms ago.</td>
</tr>
<tr>
<td>CONTINUING</td>
<td>Do not reapply if you were enrolled in Spring 2013 semester.</td>
</tr>
<tr>
<td>INTERNATIONAL</td>
<td>See application instructions on this page.</td>
</tr>
<tr>
<td>CONCURRENT</td>
<td>See application instructions on page 6.</td>
</tr>
<tr>
<td>ENROLLMENT</td>
<td></td>
</tr>
<tr>
<td>DENTAL HYGIENE</td>
<td>Visit the Dental Hygiene Program website for additional application procedures.</td>
</tr>
<tr>
<td>NURSING</td>
<td>Visit the Nursing Program website for additional application procedures.</td>
</tr>
</tbody>
</table>

INFORMATION DE ADMISIÓN
El sistema de Colegio Comunitario de California ofrece algo para todos y hay muchas razones por las cuales los estudiantes deciden inscribirse. Estudiantes del Colegio Chabot se inscriben por una gran variedad de razones: Para completar sus primeras 60 unidades en un colegio comunitario y después transferirse a la universidad para continuar su educación; para obtener un AA o certificado vocacional; para mejorar sus capacidades de lenguaje o mejorar su empleabilidad mediante sus habilidades de trabajo; o simplemente para aprender algo nuevo.

Es importante que la comunidad latina continúe teniendo interés en el Colegio Chabot. Cuando usted complete la solicitud, por favor indique que de “Hispano”. Hemos tenido la oportunidad que la población estudiantil hispana/latina en el Colegio Chabot ha alcanzado el 26%, siendo la población étnica más poblada. Al alcanzar esta meta, el Colegio Chabot está en posición de recibir recursos monetarios para proveer más servicios como consejería, ayuda telefónica y otros servicios necesarios bilingües.

Para más información, comuníquese con La Carrera y Transferencia Centrales al 510.723.6720.

ELEGIBILIDAD DE LA ADMISIÓN
» Uno es elegible de asistir al Colegio de Chabot si tiene un diploma de una escuela secundaria o el equivalente (GED) y por lo menos 18 años de edad, o si es estudiante de una escuela secundaria y tiene una recomendación de su consejero.
» Estudiantes quizás tengan que presentar un comprobante demostrado que han sido un residente de California por un año.
» Estudiantes no ciudadanos quizás tengan que presentar documentos específicos para determinar si son sujetos a pagar la enseñanza como “no residente” o estudiante internacional.
» Estudiantes que son miembros de las fuerzas armadas de los Estados Unidos, estacionados en California en servicio activo tendrán el derecho de ser clasificado como residente por un año.
» Por ley, todos solicitantes masculinos para admisión, como estudiante no graduado son obligados a registrarse con el Servicio de Selección.
» Dependientes de veteranos incapacitados o fallecidos pueden ser elegibles para eliminar el costo de matriculación. Comuníquese con la Oficina de Veteranos al 510.723.6910.

CALIFORNIA NON-RESIDENT
TUITION EXEMPTION REQUEST (AB 540)
Any student, other than a nonimmigrant alien, who meets all of the following requirements, shall be exempt from paying non-resident tuition at the California Community Colleges, the University of California, and the California State University (all public colleges and universities in California). Requirements:
1. The student must have attended a high school (public or private) in California for three or more years.
2. The student must have graduated from a California high school or attained the equivalent prior to the start of the term (for example, passing the GED or CA High School Proficiency exam).

EXCEPCIÓN DE LA MATRÍCULA
DE NO-RESIDENTE DE CALIFORNIA
Todos los estudiantes (menos los extranjeros que no sean inmigrantes) que cumplen con los requisitos siguientes no tienen que pagar la matrícula de no-residente en las universidades públicas del estado de California, que son: los California Community Colleges, California State University, y University of California. Los Requisitos: 
» El estudiante tiene que haber asistido a clases de un High School en el estado de California (pública o privada) por lo menos tres años. 
» El estudiante tiene que haberse graduado de un High School de California o haber aprobado un examen de graduación (por ejemplo, el GED o el examen California High School Proficiency) antes del comienzo del periodo académico. 
» Todos los estudiantes que no tengan un estado de inmigración legal deben someter una declaración con la universidad en la cual indiquen que ya han sometido una petición para arreglar tal estado o, si esto no es posible en la actualidad, que lo van a hacer tan pronto califiquen.

http://www.chabotcollege.edu/admissions/fees/AB540IntersegAffidavit.pdf

INTERNATIONAL STUDENTS
Chabot College is authorized under federal law to enroll nonimmigrant alien students. Students wishing to apply for admission to Chabot College will need to submit academic transcripts or certificates, TOEFL or IELTS exam results, evidence of financial support and health examinations. They will also need to submit a “standard” Application for Admission online and the International Student Application. Chabot College will make every effort to advise prospective international students of their admission status as soon as possible after receiving the required documents. International students are encouraged to apply as far in advance of the desired entry date as possible to allow sufficient time for application processing and other arrangements.

Upon receipt of all required documents, you will be notified by email of your acceptance to Chabot College. Chabot College welcomes your application as an international student, and our staff will make every effort to assist you.

To be considered for admission, a student must submit all required materials by the following deadline dates. Due to the visa application process at the U.S. Embassies and Consulates, overseas applicants are strongly encouraged to apply as early as possible.

May 1 for Fall Semester
November 1 for Spring Semester

For more information or to download the application, please visit the International Student Program’s website: www.chabotcollege.edu/international
VETERANS
Chabot College is approved to offer instruction to servicepersons, reservists, and other eligible persons under Title 38, United States Code and Department of Veterans Affairs regulations. Chabot College is also a proud participant of the Principles of Excellence Program.

USING YOUR EDUCATION BENEFIT
Veterans and dependents wishing to use their education benefit provided through the Department of Veterans Affairs must first apply for admission to Chabot College and then follow the Enrollment Certification procedures outlined below:

1. Apply for VA Education Benefits online at www.gibill.va.gov.
2. Submit a copy of your DD-214 to Chabot Veterans Services Office to establish priority registration.
3. Complete the Math and English Assessment.
4. Submit all official, sealed college and military transcripts to the Admissions and Records Office.
5. Choose a major and meet with Chabot College's Veterans Benefits Specialist to discuss your education objective.
6. Register for classes online.
7. Complete the Enrollment Certification Request form at Chabot Veterans Services Office.

BASIC CATEGORIES OF EDUCATION BENEFITS
- Post 9/11 Veterans Education Assistance Act of 2008 (Chapter 33)
- Veterans Retraining Assistance Program (VRAP)
- Montgomery GI Bill – Active Duty (Chapter 30)
- Survivor’s and Dependent’s Educational Assistance Program (DEA - Chapter 35)
- Restored Entitlement Program for Survivors (REPS) & Vocational Rehabilitation (Chapter 31)
- Veterans Educational Assistance Program (VEAP - Chapter 32)
- Reserve Educational Assistance Program (REAP – Chapter 1607)
- Montgomery GI Bill – Selected Reserve (Chapter 1606)

ARMED FORCES PRIORITY REGISTRATION
Per California SB 272 & SB 361, priority registration is provided to any member or former member of the Armed Forces of the United States who has received an honorable discharge, a general discharge, or an other than honorable discharge. NOTE: Dependents of veterans do not qualify for military priority registration.

Priority registration is not an automatic process. You must request for priority registration at least one month prior to the start of the registration period by submitting a copy of your DD-214 or military identification card to Chabot Veterans Services Office (Building 700, room 703E) or fax to 510.723.7510, ATTN: Chabot Veterans Services Office or email to cc-veterans@chabotcollege.edu.

For more information, please visit the Chabot Veterans Services Office’s website: www.chabotcollege.edu/veterans

CONCURRENT ENROLLMENT PROGRAM
Chabot College provides opportunities for minor students to enroll in college-level, degree-applicable courses for advanced scholastic or advanced vocational purposes. Students who desire to participate in concurrent enrollment must be recommended by their school counselor and principal and have written parental permission.

APPLICATION DEADLINE DATES
May 17 for Summer 2013
July 25 for Fall 2013

SPECIAL ADMISSION PROCEDURES
Students should begin the process for concurrent enrollment early. To enroll concurrently at Chabot College, follow these procedures:

1. Complete the Chabot College admission application online at www.chabotcollege.edu.
2. Complete the (1) Recommendation for Concurrent Enrollment and (2) Release of Personal Information/Emergency forms.
3. Submit your current High School transcript. Students attending home school should also submit a copy of their R4 Affidavits. (CA Ed Code, section 33190)
4. Submit all required forms in one packet. Packets may be submitted in-person at the Admissions and Records Office or by mail (Chabot College, ATTN: Concurrent Enrollment, Admissions and Records Office, 25555 Hesperian Blvd., Hayward, CA 94545).
5. You will be sent a notification of your approved recommendation and be given a date when you can register online via CLASS-Web or The Zone.

ELIGIBILITY
To be eligible, students must:
- Limit enrollment to advanced scholastic courses. Enrollment in Physical Education or basic skills courses will not be allowed. (Title 5 Regulations, section 55002)
- Be pre-approved by the school principal and counselor to pursue specific courses. (CA Ed Code, sections 48800, 48800.5, & 488802)
- Have written parental approval.

REGULATIONS
- Concurrently enrolled students will be permitted to enroll in no more than six units or two classes per semester.
- Students will be treated as regular college students and are expected to comply with all college rules and regulations.
- At the completion of the course, the student receives college credit.
- Students must arrange for their own transportation to and from the college and provide their own books and equipment.

FEES
Enrollment fees are waived for students in the concurrent enrollment program. However, a $3 mailing fee is assessed in order to provide grade reports at the end of the term. The Health Services Fee of $17 for the semester is mandatory. International, non-resident, and out-of-state students will be assessed tuition of $243 per unit.

For more information, please visit our Concurrent Enrollment website: www.chabotcollege.edu/Admissions/Concurrent

Chabot College • Summer/Fall 2013 Class Schedule

For more information, please visit the Chabot Veterans Services Office's website: www.chabotcollege.edu/veterans
YOUR JOURNEY STARTS HERE!
Pathways to Success (Matriculation) is the process that brings the college and you, the student, into an agreement for the purpose of developing and realizing your educational objective. This process is designed to help you from the moment you first apply until you complete your studies at Chabot College. The process acknowledges responsibilities of both the college and the student.

WHAT DOES PATHWAYS TO SUCCESS OFFER?

1. ASSESSMENT
Pathways to Success offers an assessment of your English and Math skills to determine which level of English and Math are appropriate for you to take so that you will be successful.

<table>
<thead>
<tr>
<th>ASSESSMENT EXEMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Math Assessment Exemption is available if:</td>
</tr>
<tr>
<td>1. You have taken an AP English and/or Calculus Test and scored a 3 or better. (An official copy of your AP Exam score must be submitted to Admissions and Records Office as soon as possible); and/or</td>
</tr>
<tr>
<td>2. You have completed with a grade of “C” or higher (not “C-”) a college-level English and/or Math course. (An official copy of all previous college transcripts must be submitted to the Admissions and Records Office as soon as possible.)</td>
</tr>
</tbody>
</table>

Consult Counseling once official records are submitted to determine your English and/or Math placement based on the above alternatives.

2. ONLINE ORIENTATION
Pathways to Success offers an online orientation to help with the transition to Chabot College for new, first-time college students. The online orientation introduces students to the school’s programs, services, academic regulations, expectations, campus facilities, and student life.

3. COUNSELING
Pathways to Success offers access to counseling services to ensure our students are on the path towards their educational goal. The Counseling Division offers academic and career counseling, transfer planning, academic/progess probation counseling, personal counseling, and veteran's evaluation counseling. Students can discuss making an appointment by consulting the front desk counselor to determine needed services and availability in Building 700, Room 752, during posted office hours.

SELF ENRICHMENT CLASSES
The Counseling Division offers a variety of Psychology-Counseling classes taught by counseling faculty to promote and support student success. All classes are not necessarily offered every term. These classes apply counseling theory and practices to the realities of academic success, career-life planning, and being a productive member of a diverse community: PSCN 10–Career and Educational Planning, PSCN 12–Self Esteem for Success, and PSCN 15–College Study Skills.

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCN 1</td>
<td>3 units Intro to PSCN in Multicultural Environment: Learn basic counseling skills &amp; explore cultural issues.</td>
</tr>
<tr>
<td>PSCN 2</td>
<td>3 units Intro to Case Management for Human Services: Provides knowledge in case management theory implementation for Human Service, Social Work, and/or Mental Health.</td>
</tr>
<tr>
<td>PSCN 3</td>
<td>2 units Multicultural Communication: Exploration of intercultural &amp; interethnic communication including case study in three of the five following groups: African American, Asian Americans, Native/Indigenous Americans, Pacific Islander Americans, Hispanic Americans. Students will attend Bay Area Cultural events.</td>
</tr>
<tr>
<td>PSCN 4</td>
<td>2 units Multiethnic/Cultural Communication: Focus on understanding of other cultures and how those cultures impact American lifestyle.</td>
</tr>
<tr>
<td>PSCN 10</td>
<td>2 units Career and Educational Planning: Explore career development by looking at your interests, values, needs and skills. Designed to assist in making decisions about your career and educational plans.</td>
</tr>
<tr>
<td>PSCN 11</td>
<td>2 units Interpersonal Relationships: Course includes self exploration, personality assessment, group process, learning about your relationship style and how to get more of what you want in relationships and life.</td>
</tr>
<tr>
<td>PSCN 13</td>
<td>3 units Multicultural Issues in Contemporary America: Focus on understanding of other cultures and how those cultures impact American lifestyle.</td>
</tr>
<tr>
<td>PSCN 15</td>
<td>2 units College Study Skills: Review study skill techniques to improve success in college and earn better grades.</td>
</tr>
<tr>
<td>PSCN 36</td>
<td>1 unit Women in Transition: Meeting with other women to discuss making career, personal or academic decisions. Build self esteem and clarify your life goals.</td>
</tr>
</tbody>
</table>

* PSCN 10 offered Summer and Fall semesters. All other classes offered Fall only.

PSYCHOLOGY-COUNSELING DEGREE AND CERTIFICATES
Human Services (AA or AS): Designed to provide psychology counseling skills needed to work as a service provider in a social service setting.

Liberal Arts (AA): Designed for students who wish a broad knowledge of liberal arts and science plus additional coursework in an “area of emphasis.” Ideal choice for students planning on transferring to a CSU or UC.

Liberal Studies Elementary Teacher Preparation (AA): Enables the student to prepare to transfer, primarily to a CSU school with a major in Elementary Teacher Preparation. This pattern encompasses the new multiple subject matter program standards adopted by the CA Commission on Teacher Credentialing.

CSU GE Breadth (Certificate of Achievement): Typically 39-45 semester units, enables official acknowledgement from Chabot College for completing lower division CSU general education requirements.

IGETC (Certificate of Achievement): Typically 34-47 semester units, enables official acknowledgement from Chabot College of completing lower division general education requirements for transfer to a UC or CSU.

Multicultural Awareness/Relations for the Service Provider (Certificate of Proficiency): Designed to provide students an introduction to multicultural theory and Psychology Counseling skills needed to work as a service provider in a social setting. Students completing this certificate will investigate a variety of multicultural issues and concepts which can affect social service delivery.

Multicultural Awareness/ Self Reflection (Certificate of Proficiency): Designed for students interested in conducting a self assessment as part of a personal development plan. Students completing this certificate will be exposed to a variety of multicultural issues and concepts.
Each student will select ONE of the following academic program planning sections at their assessment testing session:

**APRIL**

21583 Lec Mon 1-3:00 pm Room 751 Staff 4/15/2013 P/NP 8
21585 Lec Tue 1-3:00 pm Room 751 Staff 4/16/2013 P/NP 5
21588 Lec Wed 10 am-noon Room 751 Staff 4/17/2013 P/NP 6
22273 Lec Mon 1-3:00 pm Room 751 Staff 4/22/2013 P/NP 155
21596 Lec Tue 1-3:00 pm Room 751 Staff 4/23/2013 P/NP 11
21608 Lec Wed 10 am-noon Room 751 Staff 4/24/2013 P/NP 156
21609 Lec Mon 10 am-noon Room 751 Staff 4/29/2013 P/NP 19
21610 Lec Mon 1-3:00 pm Room 751 Staff 4/29/2013 P/NP 55
21611 Lec Tue 10 am-noon Room 751 Staff 4/30/2013 P/NP 20
21612 Lec Tue 1-3:00 pm Room 751 Staff 4/30/2013 P/NP 56

**JUNE** (continued)

21625 Lec Tue 1-3:00 pm Room 751 Staff 6/18/2013 P/NP 62
21627 Lec Wed 10 am-noon Room 751 Staff 6/19/2013 P/NP 63
22284 Lec Wed 4:30-6:30 pm Room 751 Staff 6/19/2013 P/NP 218
21629 Lec Thu 10 am-noon Room 751 Staff 6/20/2013 P/NP 64
21631 Lec Mon 10 am-noon Room 751 Staff 6/24/2013 P/NP 65
21633 Lec Mon 1-3:00 pm Room 751 Staff 6/24/2013 P/NP 66
21635 Lec Tue 10 am-noon Room 751 Staff 6/25/2013 P/NP 67
21638 Lec Tue 1-3:00 pm Room 751 Staff 6/25/2013 P/NP 68
21640 Lec Wed 10 am-noon Room 751 Staff 6/26/2013 P/NP 69
22285 Lec Wed 4:30-6:30 pm Room 751 Staff 6/26/2013 P/NP 219
22286 Lec Thu 4:30-6:30 pm Room 751 Staff 6/27/2013 P/NP 220

**MAY**

21624 Lec Wed 10 am-noon Room 751 Staff 5/1/2013 P/NP 27
21626 Lec Mon 10 am-noon Room 751 Staff 5/6/2013 P/NP 28
21628 Lec Mon 1-3:00 pm Room 751 Staff 5/6/2013 P/NP 29
21630 Lec Tue 10 am-noon Room 751 Staff 5/7/2013 P/NP 30
21632 Lec Tue 1-3:00 pm Room 751 Staff 5/7/2013 P/NP 31
21634 Lec Wed 10 am-noon Room 751 Staff 5/8/2013 P/NP 32
22275 Lec Wed 4:30-6:30 pm Room 751 Staff 5/8/2013 P/NP 209
21636 Lec Thu 10 am-noon Room 751 Staff 5/9/2013 P/NP 33
21637 Lec Mon 10 am-noon Room 751 Staff 5/13/2013 P/NP 34
21639 Lec Mon 1-3:00 pm Room 751 Staff 5/13/2013 P/NP 35
21641 Lec Tue 10 am-noon Room 751 Staff 5/14/2013 P/NP 36
21643 Lec Tue 1-3:00 pm Room 751 Staff 5/14/2013 P/NP 37
21645 Lec Wed 10 am-noon Room 751 Staff 5/15/2013 P/NP 38
22276 Lec Wed 4:30-6:30 pm Room 751 Staff 5/15/2013 P/NP 210
22277 Lec Thu 4:30-6:30 pm Room 751 Staff 5/16/2013 P/NP 211
21646 Lec Mon 10 am-noon Room 751 Staff 5/20/2013 P/NP 39
21648 Lec Mon 1-3:00 pm Room 751 Staff 5/20/2013 P/NP 40
21649 Lec Tue 10 am-noon Room 751 Staff 5/21/2013 P/NP 41
21650 Lec Tue 1-3:00 pm Room 751 Staff 5/21/2013 P/NP 42
21651 Lec Wed 10 am-noon Room 751 Staff 5/22/2013 P/NP 43
22278 Lec Wed 4:30-6:30 pm Room 751 Staff 5/22/2013 P/NP 212
21652 Lec Thu 10 am-noon Room 751 Staff 5/23/2013 P/NP 44
21653 Lec Tue 1-3:00 pm Room 751 Staff 5/23/2013 P/NP 45
21654 Lec Wed 10 am-noon Room 751 Staff 5/29/2013 P/NP 46
22279 Lec Wed 4:30-6:30 pm Room 751 Staff 5/29/2013 P/NP 213
22280 Lec Thu 4:30-6:30 pm Room 751 Staff 5/30/2013 P/NP 214

**JUNE**

21655 Lec Mon 10 am-noon Room 751 Staff 6/3/2013 P/NP 47
21656 Lec Mon 1-3:00 pm Room 751 Staff 6/3/2013 P/NP 48
21657 Lec Tue 10 am-noon Room 751 Staff 6/4/2013 P/NP 49
21658 Lec Tue 1-3:00 pm Room 751 Staff 6/4/2013 P/NP 50
21659 Lec Wed 10 am-noon Room 751 Staff 6/5/2013 P/NP 51
22281 Lec Wed 4:30-6:30 pm Room 751 Staff 6/5/2013 P/NP 215
21660 Lec Thu 10 am-noon Room 751 Staff 6/6/2013 P/NP 52
21661 Lec Mon 10 am-noon Room 751 Staff 6/10/2013 P/NP 53
21662 Lec Mon 1-3:00 pm Room 751 Staff 6/10/2013 P/NP 54
22269 Lec Tue 10 am-noon Room 751 Staff 6/11/2013 P/NP 151
21615 Lec Tue 1-3:00 pm Room 751 Staff 6/11/2013 P/NP 57
22270 Lec Wed 10 am-noon Room 751 Staff 6/12/2013 P/NP 152
22282 Lec Wed 4:30-6:30 pm Room 751 Staff 6/12/2013 P/NP 216
22283 Lec Thu 4:30-6:30 pm Room 751 Staff 6/13/2013 P/NP 217
22271 Lec Mon 10 am-noon Room 751 Staff 6/17/2013 P/NP 153
21621 Lec Mon 1-3:00 pm Room 751 Staff 6/17/2013 P/NP 60
21623 Lec Tue 10 am-noon Room 751 Staff 6/18/2013 P/NP 61

**AUGUST**

22293 Lec Thu 4:30-6:30 pm Room 751 Staff 8/1/2013 P/NP 227
22263 Lec Mon 10 am-noon Room 751 Staff 8/5/2013 P/NP 145
22264 Lec Mon 1-3:00 pm Room 751 Staff 8/5/2013 P/NP 146
22265 Lec Tue 10 am-noon Room 751 Staff 8/6/2013 P/NP 147
22266 Lec Tue 1-3:00 pm Room 751 Staff 8/6/2013 P/NP 148
22267 Lec Wed 10 am-noon Room 751 Staff 8/7/2013 P/NP 149
22294 Lec Wed 4:30-6:30 pm Room 751 Staff 8/7/2013 P/NP 228
22268 Lec Thu 10 am-noon Room 751 Staff 8/8/2013 P/NP 150

Chabot College • Summer/Fall 2013 Class Schedule
NEW, FIRST TIME IN COLLEGE STUDENTS

ENGLISH/MATH ASSESSMENT, ONLINE ORIENTATION & GROUP COUNSELING

As a New, First Time in College Student you need to complete the English/Math assessments, Online Orientation, and attend an Academic Program Planning session. These steps are part of a class, PSCN 25: Transition to College, and will enable you to earn 0.5 units towards your educational goal plus increased priority registration for future terms. (Note: Students will be charged a registration fee for the class. Non-residents and international students will be charged at the appropriate rate.) Follow the steps below to get started:

1. If you have not already done so, submit an admission application online at www.chabotcollege.edu.
2. Visit www.chabotcollege.edu/counseling/assessment to review our study guides online.
3. Attend an assessment session. No appointment is needed. Bring a valid Photo ID (you will not be admitted without a photo ID) and know your student ID#.
4. Once you have completed your assessments, you will receive a matriculation passport with next step information about the Online Orientation and your Academic Program Planning appointment.

CONTINUING, RETURNING, AND CONCURRENT ENROLLMENT STUDENTS

ENGLISH AND MATH ASSESSMENT

Continuing, returning, and high school current enrollment students may complete the English and/or Math assessments. Follow the steps below to get started:

1. If you have not already done so, submit an admission application online at www.chabotcollege.edu.
2. Visit www.chabotcollege.edu/counseling/assessment to review our study guides online.
3. Attend an assessment session. No appointment is needed. Bring a valid Photo ID (you will not be admitted without a photo ID) and know your student ID#.
4. Once you have completed your assessments, you will receive a matriculation passport with next step information about the Online Orientation and your Academic Program Planning appointment.

ESL STUDENTS

ESL ASSESSMENT

The ESL assessment is for students who want to improve their English skills at Chabot College. (Note: Chabot College’s ESL program starts at the intermediate level.) Follow the steps below to get started:

1. If you have not already done so, submit an admission application online at www.chabotcollege.edu.
2. Attend an assessment session. Test duration: 45 minutes. All sessions are on a first come, first-served basis. No appointment is needed. Please arrive 15 minutes early. Bring a valid photo ID (you will not be admitted without a photo ID) and know your student ID#.
3. New ESL students will receive an ESL program planning appointment with a counselor at the time of the assessment.

CHEMISTRY STUDENTS

CHEMISTRY DIAGNOSTIC TEST

Students interested in taking Chemistry 1A: General College Chemistry have the option of taking the Chemistry Diagnostic Test to fulfill the chemistry prerequisite for this class. This is a timed, paper and pencil test. If you pass the test, you will meet the chemistry prerequisite for Chemistry 1A. If you fail, you will need to complete Math 55 or 55B AND Chemistry 31 with a grade of “C” or higher in order to meet the prerequisite. Follow the steps below to get started:

1. If you have not already done so, submit an admission application online at www.chabotcollege.edu.
2. Attend an assessment session. All sessions are on a first come, first-served basis. No appointment is needed. Please arrive 15 minutes early. Bring a valid photo ID (you will not be admitted without a photo ID) and know your student ID#.
3. Non-programmable calculators are permitted.
ENGLISH COURSE PROGRESSION

STANDARD ENGLISH COURSE SEQUENCE

STOP
Before enrolling in an English class, take the Accuplacer English Test (Assessment Center). This test will determine eligibility for English 1A. If you do not place into English 1A, choose either 101A/B or 102.

ENGLISH 1A
(College English)

ENGLISH 101A & 101B
This two-semester program prepares students for success in reading and writing at the college level. Students learn strategies to better understand what they read, and to think and write about the material in clear and logical ways. Typical assignments include reading full-length books as well as articles and writing a series of 3-5 page essays on the class readings. These classes do not focus on teaching English grammar.*

ENGLISH 102
A faster-paced alternative to the 101A/B sequences (above), this one-semester course is recommended for students who are able to write clear, effective sentences, are prepared to take on challenging reading and writing tasks sooner, and believe they will be ready for college-level English with only one semester of preparation. This class does not focus on teaching English grammar.*

NOTE: Chabot offers specialized skill-building support classes (ENGLISH 117 and 118) for students with Learning Disabilities or other learning needs. If you are interested in these support classes or would like to be tested, please register for English 116 (Learning Skills testing course), or make an appointment with a counselor in the Disabled Students Resource Center (DSRC).

* For English grammar instruction, students may enroll in English 107, an elective.

COURSE SEQUENCE FOR ESL STUDENTS

STOP
Take the ESL Assessment test (Assessment Center). This test will determine which level* of ESL class will benefit you the most. Your starting point will be either ESL 110A, B, C, or D.

ENGLISH 101A or 102.
(see above)

NOTE: Chabot College ESL classes start at the Intermediate Level.

* Chabot College ESL classes start at the Intermediate Level.
**SUGGESTED PATH FOR BUSINESS MAJORS**

**SUGGESTED PATH FOR MATH/SCIENCE/ENGINEERING/COMPUTER SCIENCE MAJORS**

* MINIMUM REQUIREMENT TO SATISFY AA/AS MATH PROFICIENCY REQUIREMENT.

** MINIMUM REQUIREMENT TO SATISFY CSU GE MATH REQUIREMENT.

*** MTH 2, MTH 8, AND MTH 25 MAY BE TAKEN CONCURRENTLY AND MTH 3, MTH 4, AND MTH 6 MAY BE TAKEN CONCURRENTLY.

**** MTH 15 AND MTH 37 ARE PREREQUISITES FOR MTH 16.

It is advised that you consult a counselor to determine UC admission math requirements and visit www.assist.org to determine math requirements for your major.
REGISTRATION

SUMMER & FALL 2013 REGISTRATION SCHEDULE

<table>
<thead>
<tr>
<th>GROUP</th>
<th>REGISTRATION DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterans / Foster Youth</td>
<td>April 24, 2013</td>
</tr>
<tr>
<td>Title 5 (EOPS, DSPS)</td>
<td>April 25 - 26, 2013</td>
</tr>
<tr>
<td>Athletes, Aspire, Cal Works</td>
<td>April 29, 2013</td>
</tr>
<tr>
<td>Continuing Students (by priority)</td>
<td>April 30, 2013</td>
</tr>
<tr>
<td>Early Decision Students</td>
<td>May 11, 2013</td>
</tr>
<tr>
<td>New &amp; Returning Students</td>
<td>May 15, 2013</td>
</tr>
<tr>
<td>Concurrent Enrollment Students</td>
<td>May 28, 2013</td>
</tr>
<tr>
<td></td>
<td>May 20, 2013</td>
</tr>
</tbody>
</table>

REGISTRATION CHECKLIST

- Check CLASS-web or The Zone for your registration date. Review the example below to interpret your priority registration number:

```
Example Priority Registration Number: 070459
  07 | 045 | 9
  First two digits indicate the priority group
  Middle three digits indicate number of units completed at CLPCCD
  Last digit is random
```

- Pay any outstanding balance from current or previous semester.
- Check your academic status at the end of every semester in order to verify your performance level. If you have been placed on academic probation, make an appointment with a counselor as soon as possible. You will not be able to register until you complete an Academic Success Contract with your counselor.
- Check CLASS-Web for any holds on your account and clear those holds with the appropriate department.
- Register for classes on your registration date.

PRIORITY REGISTRATION CRITERIA

<table>
<thead>
<tr>
<th>GROUP</th>
<th>CRITERIA</th>
<th>MATRICULATION COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ASSESSMENT</td>
</tr>
<tr>
<td>09</td>
<td>State-mandated Special Programs (Foster Youth, Veterans, EOPS and DSPS)</td>
<td>✓</td>
</tr>
<tr>
<td>08</td>
<td>Athletes, Aspire, Cal Works</td>
<td>✓</td>
</tr>
<tr>
<td>07</td>
<td>Completed 60 or more semester units in CLPCCD with all matriculation components completed</td>
<td>✓</td>
</tr>
<tr>
<td>06</td>
<td>Completed 30-59.9 or more semester units in CLPCCD with all matriculation components completed</td>
<td>✓</td>
</tr>
<tr>
<td>05</td>
<td>Completed 0.1-29.9 or more semester units in CLPCCD with all matriculation components completed</td>
<td>✓</td>
</tr>
<tr>
<td>04</td>
<td>Completed 60 or more semester units in CLPCCD without all matriculation components completed</td>
<td>Matriculation components incomplete</td>
</tr>
<tr>
<td>03</td>
<td>Completed 30-59.9 or more semester units in CLPCCD without all matriculation components completed</td>
<td>Matriculation components incomplete</td>
</tr>
<tr>
<td>02</td>
<td>Completed 0.1-29.9 or more semester units in CLPCCD without all matriculation components completed</td>
<td>Matriculation Components incomplete</td>
</tr>
<tr>
<td>00</td>
<td>Returning (former) students (first term after breaking catalog rights)</td>
<td>Have not attended CLPCCD during the past academic year</td>
</tr>
<tr>
<td></td>
<td>New students</td>
<td>Never attended CLPCCD</td>
</tr>
<tr>
<td></td>
<td>High School Concurrent Enrollment students (based on availability and funding)</td>
<td>Enrolled in high school and college at the same time</td>
</tr>
</tbody>
</table>

PLEASE NOTE:

- All matriculation components must be completed at least two weeks prior to the start of the registration process. Changes to your matriculation status may not be reflected on your priority registration mailer. Check CLASS-Web or The Zone for your priority registration date.
- Students who have earned an AA/AS Degree or higher must indicate their education level on their Chabot College admission application for the Matriculation exemption to be reflected in their priority registration number.
- Some students may qualify for exemption from certain matriculation components by completing the Request to Review Priority Registration Status form with a counselor.
- Students must be registered in at least one course past the NGR deadline each semester to maintain priority registration status as a continuing student.
- All continuing students will retain the priority registration status earned through the prior Matriculation computation. Movement up the registration priority scale for future terms will be based on the criteria noted above.
COURSE POLICY

The policy of this district is that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the district, shall be fully open to enrollment and participation by any person who has been admitted to the college(s) and who meets such prerequisites as may be established pursuant to regulations contained in Article 2.5 (commencing with Section 55200) of Subchapter 1 of Chapter 6 of this Division of Matriculation Regulations.

ADDING CLASSES

Students may attempt to add into open full-term classes during the registration period prior to the start of instruction.

Students who are on the Waitlist and wish to add should attend their first class. Instructors will issue add authorization numbers to students in order that they appear on the Waitlist. After Waitlist students have been accommodated and instruction has begun, other students may attempt to add into a class but they must do so via the instructor.

Students who have received an add authorization number from the instructor may then add the class via CLASS-Web or The Zone. The student must add the class by the add deadline.

DROPPING CLASSES

Students are responsible for dropping or withdrawing from classes. Failure to follow the withdrawal procedures may result in a grade of “F” or “NP.”

Students who drop before the drop with NGR deadline will not have a grade appear on their transcript.

Use CLASS-Web or The Zone to drop any classes. If a class is canceled or a drop occurs before the drop with NGR deadline, the student may apply for a refund through the Admissions and Records Office.

CLASS WITHDRAWAL

Students are responsible for dropping or withdrawing from classes. Use CLASS-Web or The Zone to withdraw from classes prior to the “W” deadline date. “W” grades are subject to all fees and/or tuition. “W” grades do not affect student’s GPA. Excess “W” notations, however, may result in poor progress or dismissal status and may affect financial aid or athletic eligibility.

Note: Instructors have the option of dropping students who (a) do not attend either of the first two class meetings or (b) have excessive absences (four consecutive or six cumulative hours).

DROPPING CLASSES

Students who drop before the drop with NGR deadline will not have a grade appear on their transcript.

Use CLASS-Web or The Zone to drop any classes. If a class is canceled or a drop occurs before the drop with NGR deadline, the student may apply for a refund through the Admissions and Records Office.

CLASS WITHDRAWAL

Students are responsible for dropping or withdrawing from classes. Use CLASS-Web or The Zone to withdraw from classes prior to the “W” deadline date. “W” grades are subject to all fees and/or tuition. “W” grades do not affect student’s GPA. Excess “W” notations, however, may result in poor progress or dismissal status and may affect financial aid or athletic eligibility.

Note: Instructors have the option of dropping students who (a) do not attend either of the first two class meetings or (b) have excessive absences (four consecutive or six cumulative hours).

CHECKING YOUR CLASS DEADLINES

To check deadlines for all classes, full-term and short-term, follow these steps:

1. Login to CLASS-Web.
2. Select the “Student Services” menu.
3. Click the “Registration” link.
4. Enter the course registration number (CRN).
5. Click the “Submit” button.
6. Click the “Add/Drop Classes” link.
7. Enter the course registration number (CRN).
8. Click the “Submit Changes” button.

COMMON REGISTRATION ERROR MESSAGES

<table>
<thead>
<tr>
<th>Error Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXCESS UNITS</td>
<td>Students are eligible to take up to 18 units. If a student wishes to take more than 18 units he/she must consult with a counselor.</td>
</tr>
<tr>
<td>CLASS OVERLAP</td>
<td>If a class overlaps with another class, the student must request a Class Overlap card at the Admissions and Records Office. The card must be completely filled out by the instructor and signed off by the Dean. The student must then return the completed card to the Admissions and Records Office.</td>
</tr>
<tr>
<td>REPEAT LIMIT EXCEEDED</td>
<td>The student must consult with the Counseling Division. (Refer to page 17 for more information.)</td>
</tr>
<tr>
<td>PREREQUISITE NOT MET</td>
<td>The student must consult with the Counseling Division. (Refer to page 17 for more information.)</td>
</tr>
<tr>
<td>MAJOR RESTRICTION</td>
<td>The specific class CRN you selected is designated for students in that special program (PACE, Puente, Daraja etc.). Students who are not in a special program must register for a different class section.</td>
</tr>
</tbody>
</table>

* PRIORITY REGISTRATION CHANGES EFFECTIVE SUMMER AND FALL 2014

The California Community College Board of Governors recently approved a policy change to establish system wide registration priorities. The new regulations are designed to ensure that classes are available for students seeking job training, an associate degree or transfer and to reward students who are making academic progress towards their academic goals.

The new statewide enrollment priorities established criteria that will provide the highest level of registration priority to continuing students with good academic standing and who have not exceeded the 100-unit limit (excluding units in basic English, Math or English as a Second Language). In addition, new students who have completed orientation, assessment and have a developed student education plan in place will also receive greater priority under this new law.

Foster Youth & Veterans followed by students in EOPS (Extended Opportunity Programs and Services) and DSPS (Disabled Students Programs and Services) who have completed orientation, assessment and have a developed student education plan in place, will continue to have the highest level of priority.

The regulations will be implemented for Summer/Fall 2014 registration. Students who are on academic or progress probation or close to 100-unit limit are at risk of losing priority registration and should see a Counselor and develop a plan that will help make sure that they stay on track to reach their educational goals.

ADMISSIONS AND RECORDS OFFICE

Phone: 510.723.6700
Location: Building 700 1st floor, Lobby
Email: ccarcom@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/admissions

STEPS TO ADD & DROP

2. Log into CLASS-Web or The Zone.
3. Click the “Registration” link.
4. Click the “Add/Drop Classes” link.
5. Select the term and click the “Submit” button.
6. Enter the course registration number (CRN).
7. Click the “Submit Changes” button.
WAITLIST & THE ZONE

WHAT IS A WAITLIST?
Waitlist is a registration feature in CLASS-Web that goes into effect when a class is closed and has reached its enrollment limit. Waitlists are available for all classes.

WHAT DO STUDENTS NEED TO KNOW ABOUT THE WAITLIST FOR A CLASS?
1. All notifications for waitlist will be sent to the student’s Zonemail account.
2. If a CRN has a waitlist, when students register online on CLASS-Web, they are prompted automatically online to sign up for the waitlist if the class is closed.
3. Students’ registration priority determines when they can register and also when they can add themselves to a waitlist.
4. Students are placed on the waitlist on a first-come, first-served basis.
5. Students can also remove themselves from the waitlist online at any time.
6. Students can monitor their position on the waitlist online.
7. If a seat becomes available for a CRN, the student at the top of the waitlist receives a notification at their Zonemail account for that class within 72 hours. If the student does not take action before the stated expiration date and time, the student loses their spot to the next student on the waitlist.
8. Reminder emails are sent to students via Zonemail to register before the first day of class and again when the waitlist closes for that specific CRN.
9. Students who were notified to register but fail to take action before class starts are instructed to show up for class on the first day to get an add authorization number. For online classes, they are instructed to email their instructor that they are still interested by midnight prior to the first day of class. Students must include class and CRN in the subject line in the email to the instructor.

THE ZONE
The Zone is a web portal that provides a single point of access to a variety of content and college services like online registration, Blackboard, Zonemail, and much more. The Zone is customized for you to quickly find information and have access to tools and resources used on a regular basis.

SET UP YOUR ZONE
2. W ID: enter W ID, including the W.
3. PIN: the same six-digit number used to log into CLASS-Web.
4. Log into The Zone.

ACCESS NEW STUDENT EMAIL - ZONEMAIL
1. Find your student email address in The Zone on the Home tab under Quick Check.
2. Click the “What is my college/district email address?” link.
3. Click the Email icon.
4. Log in with the email username (just the part before the @ sign) and the password (which is the same six-digit PIN used for The Zone and CLASS-Web).

FORWARD ZONEMAIL TO PERSONAL EMAIL
1. From the Zonemail inbox, click on “Settings.”
2. Click the “Forwarding & POP/IMAP” link.
3. Under Forwarding section, click the “Add a Forwarding Address” button.
4. Enter your personal email address and click the “Next” button.
5. Click OK to “A confirmation code has been sent to your personal email to verify permission.”
6. Go to your personal email account, click the link to confirm OR copy the code to the Zonemail verification screen and click “Verify.”

ONLINE CLASSES - ACCESS BLACKBOARD THROUGH THE ZONE
1. From within The Zone, click on the Blackboard tab, and then click on the Blackboard icon to log in.
2. One-time login setup: Enter your Blackboard account information on the External Account Synchronization screen.
3. Blackboard Username: your W ID including the W.
4. Blackboard Password: the first two letters of your first name, the first two letters of your last name, and the last four digits of your W ID.
5. Click the “Save” button.
6. The next time you click the Blackboard icon within The Zone, you’ll automatically be logged into Blackboard.

EMAIL OPTIONS FOR BLACKBOARD STUDENTS
1. Log into The Zone at http://thezone.clpccd.edu.
2. On the Home tab, under Quick Check, click “What is my college/district email address?”
3. Click the link “Update Email Address.”
4. In the drop down for Type of E-mail to Insert, select “Email for Blackboard” and click the “Submit” button.
5. Type your personal E-mail address and click the “Submit” button.

TROUBLE WITH LOGGING IN?
1. If your CLASS-Web login has been disabled, you must contact the Office of Admissions and Records at ccpinreset@chabotcollege.edu.
2. If you get an error when trying to log into The Zone, please send an email to helpzone@clpccd.org or call 925.424.1710.
3. If you are unable to log into Blackboard and/or if you are unable to reset your own password, contact Blackboard Student Support by filling out the help form at http://www.chabotcollege.edu/online.

STUDENTS CANNOT ADD THEMSELVES TO THE WAITLIST IF:
- They do not meet prerequisites/corequisites, or have registration holds.
- The waitlist class overlaps in time with classes in which they are already registered.
- They are already on a waitlist for the same class. (Students may, however, add themselves to waitlists for different classes.)
- Adding to the waitlist puts them over the maximum unit load.

For additional information, please refer to www.chabotcollege.edu/Admissions/waitlist.cfm or The Zone at http://myportal.clpccd.edu
FEES & REFUNDS

<table>
<thead>
<tr>
<th>FEE</th>
<th>AMOUNT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENROLLMENT</td>
<td>$46 per unit</td>
<td>The enrollment fee for all students, except those exempt by law, is $46 per unit.</td>
</tr>
<tr>
<td>NON-RESIDENT TUITION</td>
<td>$243 per unit</td>
<td>Non-residents of California are required to pay a tuition fee of $243 per unit in addition to the enrollment fee and basic fees.</td>
</tr>
<tr>
<td>INTERNATIONAL STUDENT TUITION</td>
<td>$243 per unit</td>
<td>The tuition fee for international students, nonimmigrant aliens or students on other types of visas is $243 per unit in addition to the enrollment fee and basic fees.</td>
</tr>
<tr>
<td>HEALTH SERVICES</td>
<td>$17</td>
<td>The Associated Student Body adopted a mandatory health service fee of $17 (Fall and Spring) and $15 (Summer) assessed to students to support health services for enrolled students.</td>
</tr>
<tr>
<td>MAILING</td>
<td>$3</td>
<td>An optional fee of $3 will be assessed each semester to cover the cost of various mailings that students receive throughout the term (registration mailer, grade report, etc.).</td>
</tr>
<tr>
<td>ASSOCIATED STUDENTS ACTIVITY</td>
<td>$10</td>
<td>An optional fee of $10 will be assessed each semester. Students paying this fee receive an activity sticker, which provides merchant discounts and discounts on student activities. Chabot College clubs, scholarships, the Student Center, and other student-related services are supported with this fee.</td>
</tr>
<tr>
<td>PARKING</td>
<td>$2 daily</td>
<td>Parking at Chabot College is by permit only. Daily and semester permits are available. (Refer to page 16 for more information.)</td>
</tr>
</tbody>
</table>

(Note: Fees are subject to change without notice.)

STUDENT FEE PAYMENT POLICY
Fees must be paid in full by the scheduled payment due date or you may be dropped from your classes. Enrollment is conditional. The college reserves the right to cancel your registration.

DROP FOR NON-PAYMENT DUE DATES
June 19 and August 1

FEE PAYMENT METHODS

ONLINE: Log into CLASS-Web or The Zone to pay your fees online using a credit card.

MAIL: Send a check or money order for full payment to the Admissions and Records Office, 25555 Hesperian Blvd., Hayward, CA 94545. Allow 1-2 weeks to process payments by mail. DO NOT SEND CASH.

RETURNED CHECK POLICY
According to California Civil Code Section 1719, the Chabot-Las Positas Community College District will assess a service charge of $25 for the first check passes on insufficient funds and $35 for each subsequent check passed on insufficient funds.

COLLECTION POLICY
Chabot-Las Positas Community College District may refer a student’s outstanding debt to a collection agency and/or the State of California Franchise Tax Board (FTB) for collection. Once referred, additional fees may apply and credit rating may be affected. If debt is referred to the FTB, amounts owed may be deducted from a student’s state tax refund, California lottery prize, or unclaimed property.

ENROLLMENT REFUND POLICY
Students may request a refund of enrollment fees as long as the student withdraws from the class during the first two weeks of class for a regular term class, or by the 10% point of the length of a short-term class. Refunds are not automatic. Requests for refunds must be filed by June 30 for the academic year just ended. Credit balances do not carry over from one academic year to the next.

A student who must withdraw for military purpose shall be refunded 100% fees paid, regardless of the date of withdrawal. In this case, requests for refunds made after the end of the academic year will be honored.

APPLYING FOR YOUR REFUND
To apply for an enrollment fee refund, submit an Application for Refund of Fees form to the Admissions & Records Office. This form is available online at www.chabotcollege.edu/admissions or from the Admissions and Records Office.

• No refunds will be given for classes dropped after the last day to drop with NGR.
• A $10 processing fee will be subtracted from each enrollment fee refund. (Note: No processing fee will be charged if classes were canceled by the college.)
• The mailing, health services, and Associated Students activity fees are not refundable.
• Refund checks from the Chabot-Las Positas Community College District Business Office will be sent by mail approximately 6 to 8 weeks after the request is submitted.
• Non-resident and International tuition refunds will be given as follows:
  • Prior to the first day of instruction = 90%
  • During the first week of instruction = 75%
  • After the first week of instruction = No Refund
PAYMENT PLAN & PARKING

AUTOMATIC PAYMENT PLAN

An easier way to pay for college.

To help you meet your educational expenses, Chabot College is proud to offer NELNET as a convenient budget plan. This is not a loan program. There are no interest or finance charges assessed and there is no credit check. The cost to budget your interest-free monthly payment plan is a $20 per semester nonrefundable NELNET Subscriber’s Fee.

ADVANTAGES
• Easy online enrollment
• Monthly payment plan
• Flexible payment options
• No interest

COST TO PARTICIPATE
• $20 subscriber fee per semester
• $30 returned payment fee if a payment is returned

PAYMENT METHODS
• Automatic bank payment (ACH)
• Credit card / debit card

SIMPLE STEPS TO ENROLL

2. Click CLASS-Web.
3. Choose Sign On to CLASS-Web and log in.
4. Click on the e-Cashier link located on the Pay Fees Online/Registration Fee Assessment page.

QUESTIONS?
Have additional questions on how the payment plan works? Refer to the Frequently Asked Questions or How e-Cashier Works links located on the toolbar of e-Cashier. Customer service representatives are available Monday through Thursday, 7:30 am to 7:00 pm (CST), and Friday, 7:30 am to 5:00 pm. For additional help, please call NelNet at 800.609.8056.

STUDENT PARKING PERMITS

Paying at Chabot College is by permit only. Student semester parking permits are only available online through CLASS-Web after registering for classes.

1. GATHER REQUIRED INFORMATION

Have the following information with you before ordering your permit:
• Student ID Number (W number)
• Vehicle license plate and state of vehicle registration
• Year, make, model, and color of vehicle

2. ORDERING AND PURCHASING YOUR PERMIT

Follow these steps to order and purchase your parking permit:
1. Log into CLASS-Web.
2. Click the “Order a Parking Permit” link.
3. Select type of permit.
4. Select or add a vehicle.
5. Order and pay for permit.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FALL/SPRING FEE</th>
<th>SUMMER FEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTOR VEHICLE</td>
<td>$30</td>
<td>$15</td>
</tr>
<tr>
<td>MOTORCYCLE</td>
<td>$15</td>
<td>$7.50</td>
</tr>
<tr>
<td>MOTOR VEHICLE FOR BOG STUDENT</td>
<td>$20</td>
<td>$15</td>
</tr>
</tbody>
</table>

3. PRINT YOUR TEMPORARY PERMIT

To receive your parking permit, you must first print your temporary parking permit. Once you have printed your temporary permit, you will receive your permanent permit in the mail in approximately 10 business days. Follow these steps to print your temporary permit:
1. Log into CLASS-Web.
2. Click the “Order or Activate a Parking Permit” link.
3. Click the “Print Temporary Permit” link.

You must have a valid semester parking permit displayed on your vehicle to park on campus. Permits shall be hung from the rearview mirror or displayed on the vehicle dashboard. If you do not have a valid semester permit, daily permits are available for $2 from dispensers located in all student parking lots. There are no “grace periods” or exceptions to the parking rules and regulations without the expressed direction of the Director of Campus Safety and Security.

DISABLED PARKING

The California Education Code, Section 67301, allows for Community Colleges to charge parking fees or use of the parking lot and specifically provides that student with disabilities and persons providing transportation to students with disabilities shall be required to display a valid parking permit if applicable, for the campus attended. In accordance with state law, the Chabot-Las Positas Board of Trustees has established a policy, which requires disabled students to purchase and display a valid parking permit when parking in any campus parking lots.

Students with disabilities or persons providing transportation to students with disabilities are allowed to park in any available space in Student and Faculty/Staff parking lots unless otherwise prohibited, provided they display a valid disabled placard (or plate) as well as a valid parking permit, as defined in CLPCCD Board Policy 2314.138.

PARKING PERMIT ASSISTANCE: 510.723.7541
Leave a message stating your (1) parking permit issue, (2) contact number and email address, (3) student ID number.
PREREQUISITES
A prerequisite is a requirement that must be completed prior to the registration of a course. For instance, Math 65 must be taken before Math 55; Math 65, in this case, is the prerequisite for Math 55.

Students are responsible for meeting prerequisite(s) wherever listed. Please note that Chabot College’s registration system, CLASS-Web or The Zone, recognizes only prerequisites completed at Chabot College.

COURSE PREREQUISITE POLICY
Prerequisite means the preparation or previous course work considered necessary for success in the course. The college requires students to complete prerequisites as pre-enrollment preparation. Prerequisites, which are listed in the College Catalog, include:
1. Courses for which specific prerequisites have been validated.
2. Sequential course work in a degree-applicable program.
3. Courses in which a prerequisite is necessary for transfer to a four-year college.

PREREQUISITE OVERRIDE PROCESS
If a student completed an equivalent course at another institution, s/he must submit documentation to the Counseling Division for a prerequisite override.

PREREQUISITE OVERRIDE PROCESS

PREREQUISITE OVERRIDE PROCESS ONLINE
If you have already sent your official, sealed transcript(s) to the Admissions and Records Office, you can request a prerequisite override online at:
www.chabotcollege.edu/counseling/prereqoverride

Your transcripts will be forwarded to a counselor who will review your documentation and verify prerequisite course equivalency. You will be contacted when the evaluation process is completed.

PREREQUISITE OVERRIDE IN-PERSON
1. Bring your unofficial transcript(s) showing successful completion of equivalent prerequisite course work to the Counseling Office.
2. Tell the counselor on duty that you need to override the prerequisite for the course you wish to take.
3. Complete the top portion of the override form and return it to the counselor with your transcript(s). You will be contacted when the evaluation process is completed.

(Note: If you are currently taking the prerequisite course, you will also be required to provide a letter (on letterhead) from your instructor. The letter must include the following information: your name, course name and number, the grade your instructor expects you will receive, and the instructor’s contact number.)

ACADEMIC AND PROGRESS PROBATION
There are two types of probation: Academic and Progress. Students placed on probation may be required to meet with a counselor to identify the deficiencies that created the probation status, determine what actions are needed to resolve the problem, and to develop a course schedule for the upcoming semester.

REPEATING A COURSE
The college recognizes that the most recent completion of a course should most accurately reflect a student’s academic progress; thus, students may repeat for credit those courses taken for which grades of “D,” “E,” or “NP” were received.

Students will be limited to enrolling in the same non-repeatable credit classes a maximum of three times. This includes students who have earned a substandard grade (“D,” “E,” or “NP”) or who have dropped with a “W” (Title 5, Section 55042).

Students may not repeat courses in which they received passing grades of “A,” “B,” “C,” or “P.” Under the following specific conditions, the Vice President of Student Services or designee may permit the repetition of courses for which a grade of “C” or better had been received.
1. When a student’s previous grade is, at least in part, the result of extenuating circumstances. Extenuating circumstances are verified cases of accident, illness or other circumstances beyond the control of students. (Title 5, Section 55045)
2. When there has been a significant lapse of time since the student previously took the course. (Title 5, Section 55043)
3. When it is legally mandated that a student repeat a course in order to meet a training requirement as a condition of continued paid or volunteer employment. (Title 5, Section 55000)

When a student has repeated a course the most recent grade points are applied to the student’s grade point average and academic progress standing.

Students are advised that both the original and subsequent grade will remain on their transcript and that in transferring to other institutions, they may be held responsible for all units attempted.

WITHDRAWING WITH EXTENUATING CIRCUMSTANCES
Students may withdraw from a class with extenuating circumstances after the Withdrawal deadline and prior to finals week. Documentation must be presented verifying the situation, the instructor must verify that the class is being passed with a minimum of a “D” grade, and the Dean of Counseling must approve the request. Circumstances that will be considered are acute medical problem, acute personal or family problem, employment related problem or other similar circumstances preventing a student from completing the class.
FINANCIAL AID

For the most current, accurate and detailed information, policies, procedures, dates and deadlines, visit: www.chabotcollege.edu/finaid

WHAT IS FINANCIAL AID?
Financial aid is money provided by the Federal Government, the State of California, and administered by Chabot College to help cover costs associated with attending college at Chabot. Students at Chabot may be considered for Board of Governor’s Fee Waiver (BOG), federal/state grants, scholarship, Federal Work Study, and Direct Student Loans.

HOW TO APPLY FOR FINANCIAL AID?
Each year, each student completes the Free Application for Federal Student Aid (FAFSA) online, using the previous year’s tax and income information. Applications are submitted electronically to the US Department of Education, not to the Financial Aid Office (FAO). Use Chabot’s Title IV code of 001162 so that Chabot will receive the results electronically from the federal processor. February is the ideal time to apply for the following Fall/Spring semesters in order to meet the March 2nd priority filing date for Chabot FWS and SEOG funds, and Cal Grant deadline. All students and parents should use the IRS data retrieval for the tax line items required; it will greatly speed up the verification and awarding process.

Applying early will help us process your file quicker and if eligible for financial aid, you will be able to receive your financial aid award during first disbursements each semester. If you missed the priority deadline of 3/2, you can submit a FAFSA at a later date. However, your eligibility for aid may not be determined in time for initial semester disbursements, and you will be responsible for purchase of your own books and materials. We must receive your application before the last date of enrollment in a semester, or by deadlines posted on our website.

I’VE APPLIED - NOW WHAT?
Once Chabot receives FAFSA information, student visits The Zone or CLASS-Web to check status and obtain required follow up forms through provided links, which redirect student to the Forms page.
• Print, complete, sign forms required.
• Students selected for verification must either use the IRS Data Retrieval option from the FAFSA application, or submit IRS Tax Transcripts for self/spouse and/or parents. We can no longer accept copies of 1040(a)(ez) forms.
• The Financial Aid Office will not make copies of tax transcripts or other documents. Please bring copies (not your originals) to our office when responding to requests for documents.
• Bring a photo ID each time you visit our office.
• Be prepared for 6-8 weeks for processing during our peak time (Summer, early Fall, Dec-Jan).
• Students who complete the verification process earliest each semester will be considered for limited FWS and SEOG funds.
• Deadline to submit verification for first Fall disbursement (and last Summer disbursement) is 07/01 each year. Documents submitted after 7/01 will be processed by date received and eligible students may not receive a disbursement until later in the semester. If you submit your 2012-2013 documents after 07/01, you will need to make alternate arrangements to purchase books and complete the semester successfully.
• Students must provide official academic transcripts from every college attended prior to Chabot.
• Please review processing details linked on Announcements page of website.

Once you have submitted all requested documents, your file will be reviewed and awarded as appropriate in the order paperwork is received (allow 6-8 weeks), and additional information or documentation may be requested. Disbursement of financial aid will occur only when student’s financial aid file is complete, both financial and academic eligibility has been determined, student is admitted to Chabot and enrolled in eligible program of study, and class has begun.

HOW ELIGIBILITY IS DETERMINED
To be considered eligible for federal and most state aid programs, a student must meet some basic criteria:
• Must have a high school diploma or GED certificate. (If student was enrolled in a program of study prior to 7/1/12, and does not have HS diploma or GED, contact our office for alternate methods of meeting this requirement.)
• Declare a major - Be enrolled as a regular student in an eligible certificate, associate or transfer program at Chabot. To be funded at Chabot, you must be admitted to Chabot in a program of study that we offer; if admitted to LPC, you will not be funded by Chabot, regardless of number of classes enrolled here.
• Be either a US citizen or eligible non-citizen (i.e. permanent resident, resident alien, or refugee).
• Establish financial need by FAFSA application and verification process, providing all requested documents.
• Not be in default on federal student loan nor owe repayment on federal student grant.
• Be registered with the Selective Service as required.
• Establish academic eligibility by making Satisfactory Academic Progress (SAP) according to financial aid policy, to include review of prior academic transcripts.

Your financial need is based on the FAFSA and verification documents you submit. The FAO verifies the accuracy of your application, and determines the type and amount of aid for which you qualify. The FAO will send you an email upon awarding or when awards change, referring you to The Zone and CLASS-Web, which will show you types and amounts of aid you are eligible to receive. Disbursement of financial aid is prorated by student enrollment each term. Disbursement for enrollment in late start classes will occur on the next disbursement after start of class. No additional disbursements will be made for late registration, on or after the second major disbursement each term.

REPAYMENT OF FUNDS
Federal law requires students repay a portion of the federal funds received if they withdraw before the 60% point of the term, even if the withdrawal is not determined until after the end of the term. If you cannot provide documentation of the last date of attendance for each class, you may have to repay all grant aid received during that semester. A hold will be placed on all academic and financial services until repayment is made.

FRAUD AND ABUSE
The Chabot FAO has ultimate responsibility in awarding and disbursement of financial aid funds. In the event there are concerns about the accuracy or truthfulness about information or documents provided, the FAO will not award or disburse aid.

If it is determined that student has attempted or received financial aid by providing false or misleading information, failure to formally withdraw when no longer attending classes, or otherwise manipulating eligibility criteria in an attempt to receive financial aid, all funds received must be repaid, and student will be referred to the U.S. Department of Education, Office of Inspector General Investigation Services for possible prosecution for fraud.

FINANCIAL AID OFFICE
Phone: 510.723.6748
Location: Building 700 1st floor, Lobby
Email: cc-finaid@chabotcollege.edu
Website: www.chabotcollege.edu/finaid
School Code: 001162
**STAY OUT OF THE LINE, GO ONLINE**

Please check the status of your file using The Zone or CLASS-Web (Financial Aid tab) rather than calling or visiting the Financial Aid Office to allow us to use our time most productively in file review and awarding. Use your Chabot PIN to access The Zone, and print requested documents from our website at www.chabotcollege.edu/finaid/forms.asp to avoid an unnecessary wait in line. If you are not planning to attend Chabot during this academic year, please contact us in writing to cancel your financial aid application and further communication from our office.

Use The Zone or CLASS-Web for general financial aid information, and to check status of individual student financial aid file, awards and eligibility. See what documents are needed to process your file, holds, your eligibility for financial aid, academic progress status, and award types with amounts. You can download all financial aid forms and see current deadlines on the Financial Aid website.

---

**MAJOR STATE & FEDERAL REGULATORY CHANGES**

As a result of recent legislative changes, you should be aware of a number of new requirements for the federal student aid programs. Some of the changes include:

- Students are now limited to a maximum of six years (600%) of full time Pell Grant.
- Students must have a High School diploma or GED. Passing ATB scores or 6 earned college semester units are NO LONGER accepted to meet this requirement for students beginning a program of study after 7/1/12.
- Students will no longer have the interest on their subsidized loans paid during the 6 month grace period before repayment begins. Interest rates are 6.8% as of 7/1/13, and no rebates are offered.
- **New!** Effective 7/1/13, new borrowers will be ineligible for subsidized loans once they have reached 150% of their program length in attempted units.

**PELL GRANT LIMITS (URGENT TO READ)**

Students are limited to a maximum of six year of full-time Pell Grant.

- **Pell Lifetime Eligibility Used (LEU)** Federal regulations limit students to a lifetime maximum Pell Grant of 12 semesters/ six years or full time equivalent (600%) at any community college, vocational school or four year/bachelor program. Once you reach the 600% Pell LEU, you will be ineligible for any additional Pell Grants. Log into NSLDS using your FAFSA PIN and view your LEU, on the Financial Aid Review page.
- **What this means for you:** You must plan now for your future, especially if you plan to transfer to a four year college for a Bachelors degree. The six year limit is a LIFETIME limit, regardless of completion of your academic goals or Bachelors degree. This regulation is in effect even if you have had an appeal approved after failure to meet academic progress, it supersedes any prior offer of aid/award, and the Department of Education allows for no appeal or exception. If you do not wish to receive any additional Pell Grant at Chabot, complete the Lifetime Pell Eligibility Acknowledgement form, found online at www.chabotcollege.edu/finaid.
FINANCIAL AID

FINANCIAL AID REFUNDS THROUGH CHABOT DEBIT CARD

NEW STUDENTS
This is not a credit card! It’s a Debit Card that all students receive the first time they apply for financial aid at Chabot via FAFSA. The card is good for the life of a student at Chabot. All students must select their “refund preference” with the card to choose how to receive any financial aid refunds. (Do not discard, even if you do not think you will receive aid, as replacement cards are $20 each.)

RETURNING STUDENTS
If you have already activated your preference and are a continuing student, please ensure that you will receive your refunds on time by applying early, monitoring your ZoneMail and The Zone and CLASS Web following up early with FAO to complete your file.

SETTING UP YOUR REFUND PREFERENCE
When you receive your card, go to www.chabotdebitcard.com and activate your preference (Easy, ACH or Paper Check). During the activation process you will be required to provide an email address, your card number and other personal information. The options are:

EASY REFUND
One Account allows you to receive your financial aid refund within 24 hours of your refund date. You are essentially opening a free online checking account with Higher One and will be subject to their banking rules/regulations upon the activation of your account with them. Once you open your checking account, it becomes a banker/client relationship that you are responsible for maintaining. See their site for schedule of fees. Alternate bank account options may be offered to you.

ACH TRANSFER
Instead of opening an online account with Higher One, this option lets students transfer their refund to an existing bank account they may have. Recommended for students with existing banking relationships. Funds are available within 2-3 days of the refund date.

PAPER CHECK
To receive your refund by a paper check, select this option. You would receive a check 5-7 business days after refund date.

VERIFYING CUSTOMER ID PROGRAM (CIP) & PASSWORD/PIN RETRIEVAL
There is a dedicated phone line and computer in Online Student Services for Higher One customer assistance.

VERIFYING YOUR CIP FOR ONE ACCOUNT
If Higher One sends you a notification about certifying your CIP, visit our site and under “forms” you will find the CIP Form. Please download, complete and submit to FAO. CIP complies with US Patriot Act, ensuring that required identity information is not only verified but retained properly.

PASSWORD/PIN RETRIEVAL
Higher One has now made the retrieval of your forgotten website account password and pin much simpler. Go to www.chabotdebitcard.com and first make sure that you “reset password” if you are unable to log in. Check the email you used to activate your Higher One Refund preference and click on the hyperlink the system generates. The link they generate will allow you to automatically create a new password. For your card Pin Retrieval, upon signing into your Higher One Account go to “profile” and select “password/pin” to reset your pin. You will be asked to provide card information and other verifying information.

CALIFORNIA DREAM ACT
Out-of-state and undocumented students may pay CA resident tuition rates if they qualify under AB540. Effective January 1, 2013, AB 131 made this limited pool of students eligible to apply for the CA Board of Governor’s (BOG) Fee Waiver, entitlement Cal Grants, Chafee and other state aid.

<table>
<thead>
<tr>
<th>Citizenship Status</th>
<th>Complete THIS Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Citizen - Born in U.S. or Naturalized Citizen (Birth Certificate, U.S. Passport, Naturalization Certificate)</td>
<td>FAFSA</td>
</tr>
<tr>
<td>Permanent Resident ( Resident Alien card)</td>
<td>FAFSA (Do NOT do Dream App)</td>
</tr>
<tr>
<td>Undocumented AB540 (no permanent Social Security Number, or SS card with “valid for work only”, “not valid for employment”)</td>
<td>Dream App</td>
</tr>
</tbody>
</table>

Foreign (visa) students and undocumented students who do not qualify for AB540 are ineligible for any form of federal or state financial aid.

For more info, and links to Dream App, see www.chabotcollege.edu/finaid/dreamact

The California DREAM Act
Financial aid is now available to AB 540 students attending a California community college.

Thanks to the California DREAM Act, AB 540 students at community colleges are now eligible to apply for:
1. Privately-funded scholarships
2. Board of Governors Fee Waiver (apply now for terms starting after January 1, 2013)
3. Assistance from EOPS, CARE or CalWORKs (beginning January 1, 2013)
4. State financial aid like Cal Grants for 2013-14 academic year and Chafee Grants

You are an AB 540 eligible student if you meet all of the following criteria:
1. Attended a California high school for at least three years;
2. Graduated from a California high school, got a GED or passed the California High School Proficiency Exam;
3. Are registered or enrolled at an accredited California college or university;
4. If required, complete an affidavit saying you have filed (or will file when you are eligible to do so) for legal immigration status.

Check with your local college financial aid, scholarship, EOPS/CARE and CalWORKs office to see what is available.

MAKE YOUR COLLEGE DREAMS COME TRUE!
Get started now...For more information, visit your local community college. To find the college closest to you, learn more about financial aid, and to apply visit: www.icanaffordcollege.com/dreamact

icanaffordcollege.com
BUS 12  INTRO TO BUSINESS
Survey of the private enterprise system and basic business concepts, business economics, types of business ownership, ethics, globalization, and organizational functions (management, marketing, accounting, and finance).

D 31726  Lec TR  1:00  2:15  1607  YOO  08/19-12/20  OP  004
E 31268  Lec Mon  6:30  9:20  455  KLEIN  01/22-05/31  GR  071
D 31246  Lec MW  1:00  2:15  1613  PINKAS  01/22-05/31  OP  005

IMPORTANT DEFINITIONS
If you should see the words: “Prerequisite,” “Corequisite” or “Strongly Recommended” in the class schedule or catalog, it is important for you to understand the definitions of these terms.

PREREQUISITE
A condition of enrollment which a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite. The computer used for registration recognizes completion of prerequisites at Chabot College or Las Positas College only. It is important to submit official transcripts in order to determine if other course work completed is equivalent to prerequisites listed for courses. Visit the Counseling Division located in Bldg. 700 or email cc-counseling@chabotcollege.edu.

COREQUISITE
A condition of enrollment consisting of a course which a student is required to simultaneously take in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed. Students must concurrently enroll in the corequisite course.

STRONGLY RECOMMENDED
A condition of enrollment which a student is advised, but not required, to meet before, or in conjunction with enrollment in a course or educational program. Strongly recommended preparation represents a set of skills or a body of knowledge with which a student will achieve a greater depth or breadth of knowledge of course material but without which the student is still likely to succeed in the course or program.

The Chabot-Las Positas Community College District reserves the right to cancel classes, to make other changes as college needs require, and to change, without notice, any of the information, requirements and regulations in this schedule of classes.
**ACCOUNTING** *(See course listing under Business)*

**ADMINISTRATION OF JUSTICE**

**ADMJ 50** **INTRO TO ADMIN OF JUSTICE** 3.0 Units
History and philosophy of administration of justice in America; recapitulation of the system; identifying various sub-systems, role expectations, and their interrelations; theories of crime, punishment, and rehabilitation; ethics, education and training for professionals in the system.

D 10336 Lec MTWR 10:30-12:35 551 HANSON 06/24-08/01 OP 061

**ADMJ 60** **CRIMINAL LAW** 3.0 Units
Historical development, philosophy of law and constitutional provisions; definitions; classification of crime and their application to the system of administration of justice; frequently used Penal and other code sections; case law, methodology and concepts of law as a social force.

D 10338 Lec MTWR 10:30-12:35 551 HANSON 06/24-08/01 GR 061

**ANTHROPOLOGY**

**ANTH 1** **BIOLOGICAL/PHYSICAL ANTHRO** 3.0 Units
Humans as a biological species through an examination of fossil evidence for human evolution, behavior of nonhuman primates, and human evolutionary biology and genetics. Emphasis on uniquely human biological and behavioral characteristics, as well as those shared with other animals. Current Anthropological issues such as the biological meaning of race, genetic diseases, and the influence of evolution on human behavior.

D 10001 Lec MTWR 8:00-10:05 503 GRAVELY 06/24-08/01 OP 061

**ANTH 1L** **BIOLOGICAL/PHYSICAL ANTHRO LAB** 1.0 Unit
Laboratory exercises developed as an adjunct to Anthropology 1 (Introduction to Biological/Physical Anthropology) including the identification of fossils through examination of fossil casts, the study of human artifacts, observation of primate behavior and structure, and problem-solving in case studies of human genetics. Prerequisite: Anthropology 1 (may be taken concurrently).

D 10049 Lab TWR 10:30-12:20 503 SINGH 06/24-08/01 OP 061

**ANTH 3** **SOCIAL/CULTURAL ANTHROPOLOGY** 3.0 Units
How human beings in different cultures meet basic biological, social and cultural needs, including kinship and marriage practices, political and social organization, economic institutions, religious and childrearing practices, social change, as well as other aspects of cultural behavior. Emphasis on understanding other cultures on their own terms. Includes the many subcultures making up North American populations.

D 10187 Lec MTWR 10:30-12:35 559 GRAVELY 06/24-08/01 OP 061

**ART**

**ART 2A** **INTRODUCTION TO DRAWING** 3.0 Units
Skill development in black and white drawing using composition, light and shade, perspective and other basics applied to realism drawing.

D 10367 Lec MTWR 9:00-10:15 901 GOLOJUCH 06/24-08/01 OP 061

**ART 2B** **DRAWING AND COMPOSITION** 3.0 Units
Development of knowledge and skills introduced in Art 2A, emphasizing media and composition and realism drawing at an intermediate level. Introducing the use of color. Prerequisite: Art 2A (completed with a grade of “C” or higher).

D 10368 Lec MTWR 9:00-10:15 901 GOLOJUCH 06/24-08/01 OP 061

**ASTRONOMY**

**ASTR 10** **THE SOLAR SYSTEM** 3.0 Units
Introduction to history and physical principles of astronomy, focusing on our Solar System. Includes: constellations; distance scales; historical development of astronomy; gravitation; motion of the earth, moon and planets; astronomical tools; formation and evolution of the solar system; physical properties, atmosphere, and evolution of the earth, moon, and planets within the solar system; asteroids, comets, and other small bodies; discovery of extra-solar planets; possibilities for life beyond Earth. Designed for non-majors in mathematics or physical science. This course may require you to purchase access to an online astronomy learning environment.

D 10215 Lec TWR 3:00-5:00 1902 LEE 06/17-08/08 OP 081

**AUTOMOTIVE TECHNOLOGY**

**ATEC 50** **INTRO AUTOMOTIVE TECH** 3.0 Units
Automotive industry fundamentals including engine operating principles; engine teardown and diagnosis; fastener recognition, use and repair; hand tool identification and usage; electrical fundamentals; service information access and use; automotive chemical and fluid applications; hazardous waste handling; general shop equipment usage and shop safety.

Students must have an email account and internet access by the first day of class.

D 10171 Lec MTWR 8:00-10:05 1635 SMALL 06/17-08/08 OP 081

**BIOL 10** **INTRO TO THE SCIENCE OF BIOL** 4.0 Units
Introduction to history and physical principles of astronomy, focusing on our Solar System. Includes: constellations; distance scales; historical development of astronomy; gravitation; motion of the earth, moon and planets; astronomical tools; formation and evolution of the solar system; physical properties, atmosphere, and evolution of the earth, moon, and planets within the solar system; asteroids, comets, and other small bodies; discovery of extra-solar planets; possibilities for life beyond Earth. Designed for non-majors in mathematics or physical science. This course may require you to purchase access to an online astronomy learning environment.

D 10215 Lec TWR 3:00-5:00 1902 LEE 06/17-08/08 OP 081

**ANATOMY**

**ANAT 1** **GENERAL HUMAN ANATOMY** 5.0 Units
Structure and function of the human body with emphasis on microscopic, gross and developmental anatomy. Microscopic examination of normal and pathological tissues, and dissection, supplemented by use of charts, models, and computer assisted instruction. Prerequisite: Anthropology 1 (may be taken concurrently).

D 10052 Lec MTWR 9:30-11:35 2110 RUGGIERO 06/24-08/01 GR 061

**BIOL 4** **PRIN OF ANIMAL BIOL/EVOLUTION** 4.0 Units
Principles of the diversity, structure and function of heterotrophic organisms—animals, protists, and fungi with emphasis on homeostasis, development, phylogeny and taxonomy. Principles of evolution, evolutionary history, and population genetics. Intended for biological sciences majors. Prerequisite: Mathematics 55 or equivalent course (completed with a grade of “C” or higher). Strongly recommended: Eligibility for English 1A or 52A.

D 10335 Lec MTWR 9:30-11:35 2130 HOWELL 06/24-08/01 GR 061

**BIOL 10** **INTRO TO THE SCIENCE OF BIOL** 4.0 Units
Basic principles of biology, dealing with the nature of living things, and the nature of scientific investigation and its bioethical impact in our modern world. Designed for non-majors in biology or the biomedical sciences.

D 10330 Lec MTWR 9:00-10:15 2108 KAMAKEA 06/17-08/08 OP 081

D 10331 Lec MTWR 9:00-10:15 2108 KAMAKEA 06/17-08/08 OP 082
**BUS 1A FINANCIAL ACCOUNTING** 4.0 Units
Explores financial accounting, its importance and how it is used by internal and external users as decision-making tool. Covers forms of organizations; accounting information systems; application of general accounting principles; and preparation, interpretation and analysis of various forms of financial statements. Includes topics on cash flow statement, cash and accrual accounting concepts, merchandising operation, internal control and ethics, reporting and accounting for receivables, payables, long-term assets and liabilities, inventory, depreciation, stockholders’ equity, stocks and bonds. Strongly recommended: Business 7.

**BUS 1B MANAGERIAL ACCOUNTING** 4.0 Units
Examine how managers use accounting information in decision-making, planning, directing, operating, and controlling. Emphasis on cost terms and concepts, cost structure, cost behavior, cost-volume-profit analysis, profit planning, budgeting, budgetary controls, cost controls, accounting for manufacturing costs and ethics.

**BUS 7 ACCOUNTING FOR SMALL BUSINESS** 3.0 Units
Bookkeeping practices for a sole proprietorship. Debit and credit practice, books of original entry, ledgers, working papers, adjusting and closing entries, income statement, balance sheets, and statement of owner’s equity, cash, payroll, special journals, merchandising firms.

**BUS 8 PAYROLL ACCOUNTING** 3.0 Units
The laws, principles and procedures of payroll accounting in both manual and computerized environments. Concepts covered include preparation of payroll records and reports; payroll law and practices; computation of taxes, including Social Security, federal income tax, state income taxes, and unemployment taxes and voluntary withholdings. Strongly recommended: Business 1A or Business 7 or equivalent.

**BUS 10 BUSINESS LAW** 4.0 Units
Legal setting in which business operates, with emphasis on legal reasoning and resolution, contracts, agency, partnerships and corporations.

**BUS 12 INTRO TO BUSINESS** 3.0 Units
Survey of the private enterprise system and basic business concepts, business economics, types of business ownership, ethics, globalization, and organizational functions (management, marketing, accounting, and finance).

**BUS 14 BUSINESS COMMUNICATIONS** 3.0 Units
Theory and application of written and oral communications in a professional business environment: organization of messages, editing for tone and polish, presentation techniques, meeting management, job search communications. Strongly recommended: Eligibility for English 1A.

**BUS 22 INTRO TO MANAGEMENT** 3.0 Units
Principles and concepts of traditional management tasks, contemporary management challenges related to such topics as people, diversity, quality, social responsibility and ethics, the global environment, production management, information technology, competitiveness and innovation, building alternative work situations and the internet.
### CHEMISTRY

**CHEM 1B  GENERAL COLLEGE CHEMISTRY II**  
5.0 Units  
Continuation of Chemistry 1A. Chemical energetics and equilibria, solutions and ionic equilibria, acid-base chemistry, electrochemistry, coordination chemistry, kinetics, nuclear chemistry, organic chemistry, and the chemistry of family groups of the periodic table. Laboratory emphasizes quantitative techniques, including instrumentation, and qualitative analysis. **Prerequisite:** Chemistry 1A (completed with a grade of “C” or higher).  
D 10025 Lec MTWR 10:01-11:06 3922 SCHUMACHER 06/17-08/08 GR 081  
Lab MTWRF 11:45-12:50 3923  

**CHEM 10  INTRODUCTION TO CHEMISTRY**  
4.0 Units  
A non-mathematical survey of the basic concepts of chemistry designed for non-science majors. Basic structure, properties and reactivity of matter and energy as they relate to our environmental nutrition, material science and other current topics. **May not be taken for credit if Chemistry 1A or Chemistry 31 has been completed.**  
D 10196 Lec Tue 7:45-10:20 3932 GIBSON 06/24-08/01 OP 061  
Lab R 7:45-10:20 3901  
By Arr 12.2 Hrs/WK ONLINE  
CHEM 10, section (061) is an online hybrid course with one required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

**CHEM 30A  INTRO AND APPLIED CHEMISTRY I**  
4.0 Units  
Chemistry of inorganic compounds, atomic theory, bonding, equations, gas laws, solutions, acid-base theory and oxidation-reduction. Designed for certain majors in allied health and technological fields and for general education. **Prerequisite:** Mathematics 65 or 65B or 65L (completed with a grade of “C” or higher).  
D 10063 Lec MTWRF 8:00-10:05 3929 SAWHNEY 06/24-08/01 GR 061  
Lec MTWRF 10:10-12:15 1906  
Lab MTWRF 12:25-2:30 3929  

**CHEM 31  INTRO TO COLLEGE CHEMISTRY**  
4.0 Units  
Elementary concepts of chemistry with emphasis on mathematical calculations; includes nomenclature, stoichiometry, atomic structure, gas laws, and acids and bases. Designed for majors in science and engineering. **Prerequisite:** Mathematics 55 or 55B (completed with a grade of “C” or higher).  
D 10053 Lec MTWRF 10:10-12:15 1803 WELLS 06/24-08/01 OP 061  
Lec MTWRF 12:25-2:30 3921  
D 10341 Lec MTWRF 10:10-12:15 1803 WELLS 06/24-08/01 OP 062  
Lab MTWRF 12:25-2:30 3921  

### COMPUTER APPLICATION SYSTEMS

**CAS 50  INTRO TO COMPUTER APPL SYSTEMS**  
3.0 Units  
Introduction to computer applications systems as it relates to business and home use. Course introduces software topics in Microsoft Windows, Microsoft Office, internet, World Wide Web, electronic mail, file management, data communications and an introduction to basic computer programming. Hardware topics include PC system components and troubleshooting issues. Other topics include computer-based careers and trends, electronic computing issues, terminology, electronic communication skills, ethics, security, and netiquette in today's business computing environment.  
O 10086 By Arr 9.0 Hrs/WK ONLINE DERMODY 06/17-08/08 OP EN1  
CAS 50-EN1 is an online course, with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

**CAS 54A  MICROSOFT EXCEL I**  
3.0 Units  
Introduction to spreadsheet techniques using Microsoft Excel to create a variety of spreadsheets with emphasis on business application programs. Calculate data using functions and formulas. Create charts, link and consolidate worksheets. This course prepares students to take the Microsoft Office Specialist, (MOS) core level certification. **Strongly recommended:** Computer Application Systems 50, Computer Application Systems 72E, or Computer Science 8.  
O 10364 By Arr 6.7 Hrs/WK ONLINE PHILLIPS 06/17-08/08 GR EN1  
CAS 54A-EN1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

**CAS 92B  NETWORK SM TO MED BUS OR ISP**  
3.0 Units  
Second of four courses in the Cisco Networking Academy CCNA Discovery program, providing career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT) and Cisco Certified Network Associate (CCNA) exams. Students will install, configure, and troubleshoot Cisco IOS devices, plan a wired network infrastructure, implement basic WAN connectivity, demonstrate proper disaster recovery procedures, perform server backups, monitor network performance, isolate failures, and troubleshoot problems using logical application of the OSI model and the process of encapsulation. **Prerequisite:** CAS 92A.  
O 10172 Lab Mon 6:00-10:05 1602 PHILLIPS 06/17-08/05 OP EN1  
CAS 92B-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

**CAS 92C  ROUTING & SWITCH IN ENTERPRISE**  
3.0 Units  
Third of four courses in the Cisco Networking Academy CCNA Discovery program, providing career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT) and Cisco Certified Network Associate (CCNA) exams. Students will implement, configure, and troubleshoot an enterprise LAN network utilizing VLANs, access control lists, WAN links and advanced routing protocols. **Prerequisite:** CAS 92B.  
O 10173 Lab Mon 6:00-10:05 1602 PHILLIPS 06/17-08/05 OP EN1  
Lec By Arr 4.5 Hrs/WK ONLINE  
CAS 92C-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

**CAS 92D  DESIGNING & SUPP COMP NETWORKS**  
3.0 Units  
Fourth of four courses in the Cisco Networking Academy CCNA Discovery program, providing career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT) and Cisco Certified Network Associate (CCNA) exams. Students will implement, configure, and troubleshoot an enterprise LAN network utilizing VLANs, access control lists, WAN links and advanced routing protocols. **Prerequisite:** CAS 92C.  
O 10174 Lab Mon 6:00-10:05 1602 PHILLIPS 06/17-08/05 OP EN1  
Lec By Arr 4.5 Hrs/WK ONLINE  
CAS 92D-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

### COMMUNICATION STUDIES

**COMM 1  FUNDAMENTALS OF SPEECH COMM**  
3.0 Units  
Emphasis on developing, stating, organizing, and researching ideas, and presenting to an audience. **Strongly recommended:** Eligibility for English 1A.  
D 10152 Lec MTWRF 8:15-10:20 807 GREGORY 06/24-08/01 OP 061  
D 10153 Lec MTWRF 10:30-12:35 851 DAVIS 06/24-08/01 OP 062  
D 10302 Lec MTWRF 10:30-12:35 807 GREGORY 06/24-08/01 OP 063  
D 10182 Lec MTWRF 1:30-3:35 801 BREWER 06/24-08/01 OP 064  
D 10154 Lec MTWRF 4:20-6:25 356 GLEN 06/24-08/01 OP 065  
F 10156 Lec MTWRF 6:30-8:35 356 GLEN 06/24-08/01 OP 066

**COMM 10  INTERPERSONAL COMMUNICATION**  
3.0 Units  
Exploration, discussion, and evaluation of the components of verbal and nonverbal communication processes. **Strongly recommended:** Eligibility for English 1A or 52A.  
E 10303 Lec TWR 6:30-8:35 357 Staff-Lang 06/17-08/08 OP 081

**COMM 46  ARGUMENTATION & DEBATE**  
3.0 Units  
Analysis of contemporary questions through written and spoken discourse. Analysis, criticism and synthesis of contemporary moral, political, economic and philosophical issues of a diverse, multicultural society, using traditional and modern models of argumentation. **Strongly recommended:** English 1A.  
D 10155 Lec MTWRF 8:15-10:20 851 DAVIS 06/24-08/01 OP 061
DENTAL HYGIENE

DHYG 50A DENTAL HYGIENE ORIENTATION I 0.5 Unit
Orientation to the dental hygiene program to include information regarding scheduling, course requirements, financial aid considerations, program policies and procedures as well as core competencies. Prerequisite: Acceptance into the dental hygiene program.

D 10176 Lec R 1:00 3:50 2202 CARLSON 08/08-08/09 P/N E01
Lec Fri 10:00 3:50 2202 P/N

DHYG 50B DENTAL HYGIENE ORIENTATION II 0.5 Unit
Orientation for second year dental hygiene students focusing on patient management and scheduling as well as policies and procedures for treating periodontally involved patients. Prerequisite: Dental Hygiene 71B.

D 10211 Lec R 1:00 3:50 225B PAPAS 08/08-08/09 P/N E01
Lec Fri 10:00 3:50 225B P/N

DHYG 68 EXTENDED CLINICAL EXPERIENCES 0.5 Unit
Clinical dental hygiene practice and screening for the California State Board Examination. Designed for Chabot College Dental Hygiene Program graduates who are not yet licensed in the State of California. Includes practice and screening of patients. Prerequisite: graduate of the Dental Hygiene Program.

D 10206 Clin By Arr 1.3 Hrs/Wk TBA GALLIANO 06/03-07/19 P/N 09A

EARLY CHILDHOOD DEVELOPMENT

ECD 50 ECD PRINCIPLES AND PRACTICES 3.0 Units
Historical and contemporary systems of Early Childhood group care, career opportunities, licensing requirements, professional qualifications, differing orientations to early childhood education, developmental stages of young children as related to quality programs that have developmentally appropriate and inclusive curriculum.

D 10064 Lec MTWR 10:30-12:35 504 Staff - So 06/24-08/01 GR 061
O 10371 By Arr 9.0 Hrs/Wk ONLINE RODRIGGS 06/24-08/01 GR 061
ECD 50-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

D 10148 Lec Mon 8:00 11:50 2202 CARLSON 08/12-08/14 P/N 011
Lec Tue 8:00 9:50 2202 P/N
Lab Tue 10:00 11:50 2202 P/N
Lab Wed 8:00 11:50 2202 P/N

ECD 56 CHILD GROWTH AND DEVELOPMENT 3.0 Units
A study of the major physical, psychosocial, and cognitive/ language development milestones for children both typical and atypical from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

D 10365 Lec MTWR 8:00 10:05 558 Staff - So 06/24-08/01 GR 061
O 10212 By Arr 9.0 Hrs/Wk TBA OZDEMIR 06/24-08/01 GR 061
ECD 56-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

ECON 1 PRINCIPLES OF MICROECONOMICS 3.0 Units
Economic analysis of market systems, price theory, including supply and demand analysis, marginal utility, elasticity, cost and revenue concepts, perfect and imperfect competition, international trade theory, pricing of the factors of production, poverty and income inequalities. Strongly recommended: English 1A eligibility. Prerequisite: Mathematics 54 or 55 or 55B or 55L or 55Y (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the mathematics assessment process.

D 10034 Lec MTWR 8:00 10:05 506 WILLIAMS 06/24-08/01 OP 061

ECON 2 PRINCIPLES OF MACROECONOMICS 3.0 Units
Economic analysis of the theory of income determination, including national income analysis, business cycles, the consumption function, the multiplier, fiscal policy, monetary policy, money and banking, the public debt, economic growth and development, comparative economic systems and international trade. Strongly recommended: English 1A. Prerequisite: Mathematics 54 or 55 or 55B or 55L or 55Y (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the mathematics assessment process.

D 10003 Lec MTWR 10:30-12:35 506 WILLIAMS 06/24-08/01 OP 062

ELECTRONIC SYSTEMS TECHNOLOGY

ESYS 52 ESYS MEASUREMENT/TROUBLESHOOTING 2.0 Units
Measurement and characterization of electronic systems, data collection, and reporting results in industry-accepted formats. Comparing system and component performance to published specifications and developing troubleshooting techniques. Laboratory practice includes the proper use of standard test instruments. Prerequisite: ESYS 50 or equivalent.

O 10203 Lab Mon 6:00 10:05 1602 PHILLIPS 06/17-08/05 GR 061
Lec By Arr 2.2 Hrs/Wk ONLINE GR
ESYS 52-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

ESYS 56A ELECTRONIC POWER SYSTEMS I 2.0 Units
Switching power supply systems. Alternative energy systems. Advanced power bus management and control systems. Prerequisite: ESYS 52 or equivalent.

O 10204 Lab Mon 6:00 10:05 1602 PHILLIPS 06/17-08/05 GR 061
Lec By Arr 2.2 Hrs/Wk ONLINE GR
ESYS 56A-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

ESYS 58 WIRELESS COMMUNICATION SYSTEMS 2.0 Units
Introduction to wireless communications concepts and data communications, including modulation techniques, antenna and wave propagation. Digital data communication fundamentals and digital modulation techniques. Fiber optic and laser technology. Prerequisite: ESYS 52 or equivalent.

O 10205 Lab Mon 6:00 10:05 1602 PHILLIPS 06/17-08/05 GR 061
Lec By Arr 2.2 Hrs/Wk ONLINE GR
ESYS 58-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

ESYS 60 ELECTRONIC SYSTEMS ANALYSIS 2.0 Units
Analysis of electronic systems and circuits using modern software tools and mathematical formulae. Reactive circuits, active devices, amplifier, oscillator, and filter circuits. Includes many, but not all, of the objectives for the ETA and ISCE Certified Electronic Technician exam. Prerequisite: ESYS 54 and INDT 74 or equivalent or eligibility for MTH 55.

O 10194 Lab Mon 6:00 10:05 1602 PHILLIPS 06/17-08/05 GR 061
Lec By Arr 2.2 Hrs/Wk ONLINE GR
ESYS 60-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

ENGLISH

ENGL 1A CRITICAL READING & COMPOSITION 3.0 Units
Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individuals’ world view and contexts from which these ideas arise. Some research required. Prerequisite: English 101B, 102, or appropriate skill level demonstrated through English assessment process.

D 10029 Lec MTWR 10:30-12:35 502 KUNKEL 06/24-08/01 GR 061
D 10068 Lec MTWR 1:00 3:05 502 WORTHINGTON 06/24-08/01 GR 062
D 10304 Lec TWR 8:15 10:20 801 HIGGINS 06/17-08/08 GR 081
D 10181 Lec TWR 10:30 12:35 558 MC FARLAND 06/17-08/08 GR 082
D 10179 Lec TWR 1:00 3:05 554 MC FARLAND 06/17-08/08 GR 083
O 10069 Lec TWR 6:00 8:00 554 STAFF 06/17-08/08 GR 084
D 10035 By Arr 6.7 Hrs/Wk ONLINE HIGGINS 06/17-08/08 GR 085
This is an online course with two required on-campus meetings. This course meets face to face in Building 300, Room 354, on two Tuesdays: June 18 and July 23, from 4:00-5:30 PM. For more important additional information read the Online Course Information page toward the end of the schedule AND go to http://www.chabotcollege.edu/online
ENGLISH 4 CRITICAL THINK/WRITE LIT 3.0 Units
Develops critical thinking, reading, and writing skills as they apply to the analysis of fiction (short stories and novels), poetry and drama. Prerequisite: English 1A (completed with a grade of “C” or higher).

ENGLISH 7 CRITICAL THINK/WRITE ACROSS 3.0 Units
Develops critical thinking, reading, and writing skills as they apply to the textual analysis of primary and secondary non-fiction and book-length works from a range of academic and cultural contexts. Written, research-based argument. Prerequisite: English 1A (completed with a grade of “C” or higher).

ENTREPRENEURSHIP
ENTR 1 INTRO TO ENTREPRENEURSHIP 3.0 Units
Introduction to the key concepts and skill requirements for new business creation. Evaluation of personal entrepreneurship skills. Emphasis on identifying business opportunities, securing funding, and planning for new venture start-up.

FIRE TECHNOLOGY
FT 95 WORK EXPERIENCE/FT 1.0 Unit
College supervised on-the-job training while working in a fire service related occupation. Student Firefighters will need to provide proof of current EMT-Basic or Paramedic license, as well as current CPR certification and medical vaccinations before riding along with host fire agencies. Student Firefighter Prerequisite: Completion of an Accredited California Firefighter 1 Academy. Student Fire Inspector Prerequisite: Completion of Certificate of Achievement Program for Fire Prevention Inspector. Corequisite: Fire Technology 96.

FRNC 1A BEGINNING FRENCH 5.0 Units
Introduction to the French-speaking cultures of the world featuring the study and practice of the four language skills (listening, speaking, reading, and writing) of French. Strongly recommended: Eligibility for English 1A.

FRENCH

GEOPHY 

GEOL 1 INTRO TO PHYSICAL GEOGRAPHY 3.0 Units
Earth’s natural environments, with emphasis on spatial characteristics, change over time, interactions between environmental components, and human-environment interactions. Physical processes, techniques, and tools by which Earth’s climates, soils, vegetation, water resources, and land forms are linked into integrated global patterns. Field trips may be included.

HEALTH

HLTH 1 INTRODUCTION TO HEALTH 3.0 Units
Physiological, psychological, and social perspectives of health. Emphasis on knowledge, attitudes and behaviors that will contribute to a healthy individual.

HLTH 61 FIRST RESPONDER 2.5 Units
Development of knowledge and skills necessary for recognizing and caring for emergency situations, including cardiopulmonary resuscitation, prevention of disease transmission and automated external defibrillation. Designed for First Responders in an emergency. Successful completion of the knowledge and skills test qualifies for an American Heart Association Healthcare Provider CPR course card and Emergency Response card from the National Safety Council.

SUMMER 2013

Chabot College • Summer/Fall 2013 Class Schedule 26 510.723.6600 • www.chabotcollege.edu
HISTORY

HIS 7 US HISTORY THROUGH RECONSTRUCTION 3.0 Units
A survey of United States history from its pre-colonial, indigenous origins through the end of Reconstruction. Emphasis on (1) distinctively American patterns of political, economic, social, intellectual and geographic developments, (2) the interaction amongst and the experiences of diverse racial, ethnic and socioeconomic groups in American History, and (3) the evolution of American institutions and ideals including the U.S. Constitution, representative democratic government, the framework of California state and local government, and the relationships between state/local government and the federal government.
D 10342 Lec MTWR 8:00-10:05 556 HIGDON 06/24-08/01 GR A61
D 10343 Lec MTWR 10:05-12:00 556 NIDEROST 06/24-08/01 GR A62
E 10112 By Arr 6.7 Hrs/Wk TBA MONIZ 06/06-08/01 GR AN1
HIS 7-AN1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

HIS 8 US HISTORY POST-RECONSTRUCT 3.0 Units
A survey of United States history from 1877 to the present with a special emphasis on the interaction amongst and the experiences of diverse racial/ethnic (African Americans, European Americans, Native Americans, Chicano/Latino Americans, Asian Americans, and Middle Eastern Americans), gender and socioeconomic groups in American history. Includes analysis of (1) the U.S. Constitution as a living document in the context of historical change, and (2) significant issues related to California State and local governments.
D 10113 Lec MTWR 8:00-10:05 554 ADAMS 06/24-08/01 GR A61
D 10147 Lec MTWR 10:30-12:35 554 NIDEROST 06/24-08/01 GR A62

HIS 12 HISTORY OF CALIFORNIA 3.0 Units
Historical development of California, including Spanish exploration and settlement and the Mexican Revolution. Transformation of California under United States control; the American conquest, the Gold Rush, and dynamic expansion to the present day.
E 10114 Lec MTWR 9:00-10:55 1402 ABSHER 06/17-08/01 OP A61
HIS 12-OP is an online PACE course with one required on-campus mandatory meeting; July 8, room Enrollment is restricted to PACE students. For important additional information, go to http://www.chabotcollege.edu/online

MACHINE TOOL TECHNOLOGY

MTT 70 INTRODUCTION TO MACHINE SHOP 2.0 Units
Introduction to machine shop practice. Includes measuring tools, benchwork, screw threads, drill presses, lathes, and vertical milling machine operations. Safe and correct use of machine tools.
E 10041 Lec MTWR 8:00-10:00 1402 ABSHER 06/24-08/01 OP A61
Lab MTWR 8:00-10:00 1564

MTT 75 NUMERICAL CONTROL OPERATOR 4.0 Units
Introduction to operating computer numerical controlled drilling and milling machining centers, two axis lathes, and mill-turn machining centers. Instruction includes the X/Y/Z Cartesian Coordinate system, manual and automatic machining center setup and operation, 2 axis lathe setup and operation, mill-turn machining center setup and operation, basic program editing, run programmed mill and lathe parts, laboratory “first article” inspection, and creating lab inspection reports.
E 10170 Lec MTWR 5:00-6:15 1620 LONG 06/24-08/01 GR A61
Lab MTWR 6:20-7:20 1618

MASS COMMUNICATIONS

MCOM 9 COLLOQUIUM-MASS COMMUNICATIONS 1.0 Unit
Special projects in Radio and TV to further skills in broadcasting.
D 10163 By Arr 6.0 Hrs/Wk 122 GLEN 06/24-08/01 OP A61

MTH 1 CALCULUS I 5.0 Units
Limits and continuity, differentiation of algebraic and trigonometric functions, the definite integral. Prerequisite: Mathematics 20 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics assessment process.
D 10115 Lec MTWR 7:45-9:40 1904 YEST 06/17-08/08 GR A61
D 10345 Lec MTWR 10:45-12:40 1811 BUNCH 06/17-08/08 GR A61

MTH 2 CALCULUS II 5.0 Units
Techniques of integration, parametric equations, polar coordinates, sequences and series. Introduction to three-dimensional coordinate system and operations with vectors. Primarily for mathematics, physical science and engineering majors. Prerequisite: Mathematics 1 (completed with a grade of “C” or higher).
D 10349 Lec MTWR 10:45-12:40 1904 YEST 06/17-08/08 GR A61

MTH 20 PRE-CALCULUS MATHEMATICS 5.0 Units
Rational functions and relations with emphasis on logical development and graphing. Solution of polynomial equations and inequalities, graphing conic sections, mathematical induction, binomial theorem; strengthening of skills in working with exponential, logarithmic, and trigonometric functions: equations, graphs, and applications. Prerequisite: Mathematics 36 or 37 (completed with a grade of “C” or higher) or appropriate skill level demonstrated through the Mathematics assessment process.
D 10116 Lec MTWR 10:45-12:40 1904 NASIRI 06/17-08/08 GR A61
D 10352 Lec MTWR 1:30-3:25 1811 CREW 06/17-08/08 GR A61

MTH 31 COLLEGE ALGEBRA 3.0 Units
Preparation for Calculus for Business and Social Science students. Functions and graphs; polynomials, rational functions. Exponential and logarithmic functions, circles, parabolas, binomial theorem, sequences and series. Solving rational, radical, quadratic in form, exponential and logarithmic equations. Prerequisite: Mathematics 54 or 54L or Mathematics 55 or 55L or Mathematics 55B (completed with a grade of “C” or higher) or appropriate skill level demonstrated through the Mathematics Assessment process.
D 10357 Lec MTWR 8:30-9:55 1802 POLISHCHUK 06/17-08/08 GR A61
**MTH 37** TRIG/GEOMETRIC FOUNDATIONS  5.0 Units
Plane trigonometry, with topics from plane geometry. Contains the entire subject content of Mathematics 36. Includes circular and right triangle trigonometric functions; trigonometric equations, graphs and identities; triangle solutions; polar coordinates. Also includes congruence, properties of polygons, parallel lines, similarity, areas, volumes, and coordinate geometry. Prerequisite: Mathematics 55, 55L or Mathematics 55B (both completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 36 has been completed.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 10108 Lec MTW 10:45 1:20</td>
<td>1812</td>
<td>ROLAND</td>
<td>06/17-08/08</td>
<td>081</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10358 Lec MTW 1:30 4:05</td>
<td>1802</td>
<td>DINH</td>
<td>06/17-08/08</td>
<td>082</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MTH 43** INTRO/PROBABILITY & STATISTICS  4.0 Units
Descriptive statistics, including measures of central tendency and dispersion; elements of probability; tests of statistical hypotheses (one and two populations); correlation and regression; applications in various fields. Introduction to the use of computer software package to complete both descriptive and inferential statistics problems. Prerequisite: Mathematics 54, 54L, 55, 55L or 55B (completed with a grade of “C” or higher), or an appropriate skill level demonstrated through the Mathematics Assessment process. Strongly recommended: Eligibility for English 1A. May not receive credit if Mathematics 35 has been completed.

This course may require you to purchase statistics software and a graphing calculator.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 10109 Lec MTW 10:20</td>
<td>1804</td>
<td>DAVIS</td>
<td>06/17-08/08</td>
<td>081</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R</td>
<td>7:30 9:45</td>
<td>1804</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10359 Lec MTW 12:00</td>
<td>1804</td>
<td>DAVIS</td>
<td>06/17-08/08</td>
<td>082</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R</td>
<td>10:30 12:45</td>
<td>1804</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10110 Lec MTW 3:20</td>
<td>1804</td>
<td>ISHIBASHI</td>
<td>06/17-08/08</td>
<td>083</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Th</td>
<td>1:30 2:45</td>
<td>1804</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 1011 Lec MTW 7:00 9:00</td>
<td>1804</td>
<td>IONEL</td>
<td>06/17-08/08</td>
<td>084</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R</td>
<td>7:00 9:15</td>
<td>1804</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MTH 55** INTERMEDIATE ALGEBRA  5.0 Units
Concepts involving complex numbers, quadratic equations, parabolas and circles, functions and their graphs, systems of equations, rational exponents and logarithmic functions and equations. Prerequisite: Mathematics 55, 55L, 55B or Mathematics 565L (completed with a grade of “C” or higher), or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 55A and Mathematics 55B or Mathematics 55L have been completed.

This course may require you to purchase access to an online mathematics learning environment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 10117 Lec MTWR 7:45 10:20</td>
<td>1801</td>
<td>DESMEDT</td>
<td>06/17-08/08</td>
<td>081</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10360 Lec MTWR 10:20</td>
<td>1801</td>
<td>OLIVER</td>
<td>06/17-08/08</td>
<td>082</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10118 Lec MWF 7:00 9:35</td>
<td>1801</td>
<td>OLIVER</td>
<td>06/17-08/08</td>
<td>083</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MTH 65** ELEMENTARY ALGEBRA  5.0 Units
Elementary concepts, including signed numbers, integral exponents, polynomials and rational expressions; linear, quadratic and rational equations; linear inequalities; introduction to graphs and set theory; systems of equations. Prerequisite: Mathematics 104 (completed with a grade of “C” or higher), or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 65L or Mathematics 65A and Mathematics 65B have been completed.

This course may require you to purchase access to an online mathematics learning environment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 10361 Lec MTWR 7:45 10:20</td>
<td>3902</td>
<td>TA</td>
<td>06/17-08/08</td>
<td>081</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10119 Lec MTWR 10:20</td>
<td>3902</td>
<td>CORENO</td>
<td>06/17-08/08</td>
<td>082</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>10120 Lec MTWR 6:00 8:35</strong></td>
<td>1801</td>
<td>STUBBLEBINE</td>
<td>06/17-08/08</td>
<td>083</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MUSIC-LITERATURE, THEORY & MUSICIANSHIP**

**MUSL 1** INTRODUCTION TO MUSIC  3.0 Units
Music for enjoyment and understanding through informed listening, analysis, evaluation and discernment of musical elements, forms, and repertoire. Attendance at concerts and listening to a variety of music is required.

May be offered in Distance Education delivery format.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 10300 Lec MTW 9:00 11:50</td>
<td>1224</td>
<td>SHANNON</td>
<td>06/24-08/01</td>
<td>061</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab By Arr 3.0 Hrs/Wk</td>
<td>TBA</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PHED 1FC | FITNESS CENTER (CONTINUED)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>MTWR</td>
<td>12:00</td>
<td>1:30</td>
<td>4051</td>
<td>109</td>
<td>OP</td>
</tr>
<tr>
<td>E</td>
<td>MTWR</td>
<td>12:30</td>
<td>1:30</td>
<td>4051</td>
<td>101</td>
<td>OP</td>
</tr>
<tr>
<td>E</td>
<td>Mon</td>
<td>4:30</td>
<td>7:30</td>
<td>4051</td>
<td>107</td>
<td>OP</td>
</tr>
<tr>
<td>E</td>
<td>Tue</td>
<td>4:30</td>
<td>7:30</td>
<td>4051</td>
<td>102</td>
<td>OP</td>
</tr>
<tr>
<td>E</td>
<td>Wed</td>
<td>4:30</td>
<td>7:30</td>
<td>4051</td>
<td>103</td>
<td>OP</td>
</tr>
<tr>
<td>E</td>
<td>Thu</td>
<td>4:30</td>
<td>7:30</td>
<td>4051</td>
<td>104</td>
<td>OP</td>
</tr>
<tr>
<td>S</td>
<td>Sat</td>
<td>7:30</td>
<td>10:30</td>
<td>4051</td>
<td>108</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1FPL | FOOTBALL PASSING LEAGUE | 0.5 Unit

Play in a competitive summer Football Passing League. Sign up as a team or as a free agent. A league schedule will follow a practice schedule.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>MTWR</td>
<td>3:00</td>
<td>4:15</td>
<td>FIELD CALCAGNO</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1FSB | FAST PITCH SOFTBALL | 0.5 Unit

Designed for females who are competing on the Women’s Intercollegiate Softball Team.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>MTWR</td>
<td>1:00</td>
<td>2:15</td>
<td>SFLD GRACE</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1LEC | LAW ENFORCEMENT CONDITIONING | 0.5 Unit

Designed to prepare the administration of justice student for pre-employment physical ability testing, physical aspects of the Police Academy, and the maintenance of fitness and wellness as an incumbent. Emphasis on aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. Injury prevention and back care. Physical assessment included at the onset and conclusion of the semester.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>MTWR</td>
<td>3:00</td>
<td>4:05</td>
<td>2903 PASTORE</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1LEC | LAW ENFORCEMENT CONDITIONING | 1.5 Unit

A course designed for the advanced competitive swimmer or water polo player. Study and practice of advanced techniques and skills of water polo. Participation in the various events of water polo.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>7:00</td>
<td>9:35</td>
<td>TBA SAMMONS</td>
<td>06/25-08/06</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1PSF | PUBLIC SAFETY FITNESS | 0.5 Unit

Training for the physical aspects of police work: Pre-academy physical preparation and continuing training for incumbents. May include individual fitness prescriptions through assessments. Venues may include the track and pool, assessment center, confidence course, strength center, and fitness center. Course work will follow California POST-mandated standards. Nutrition, training principles, stress management, lifetime fitness and wellness, and injury prevention specific to public safety demands will be addressed.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>6:30</td>
<td>9:05</td>
<td>COURT MORRIS</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1TP | TENNIS-INTERMEDIATE-LEVEL | 0.5 Unit

Review of the techniques of the forehand and backhand drives and volleyes, varieties of serves, lobs, and smashes; instruction in court strategy for singles and doubles; use of spin on all shots for control and variety.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>6:30</td>
<td>9:05</td>
<td>COURT MORRIS</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1VB | VOLLEYBALL-BEGINNING/INTERMEDIATE | 0.5 Unit

Instruction in the basic fundamentals of volleyball including offensive and defensive strategies, especially for beginners and intermediate players.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>2:00</td>
<td>9:35</td>
<td>TBA SAMMONS</td>
<td>06/25-08/06</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1VB | VOLLEYBALL-TOURNAMENT | 0.5 Unit

Emphasis on basic skills of volleyball strategies and team play.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>2:00</td>
<td>9:35</td>
<td>TBA SAMMONS</td>
<td>06/25-08/06</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 1WS | WRESTLING | 0.5 Unit

Designed for those whose interest is in intercollegiate wrestling with advanced wrestling skills.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>MTWR</td>
<td>3:00</td>
<td>4:05</td>
<td>2903 SIROY</td>
<td>06/24-08/08</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 18 | HEALTH/FITNESS FOR YOUR DISABILITY | 3.0 Units

Combination of text based curriculum with internet research. Students will learn how to integrate current health teachings in relation to their disability and their lives.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>By Arr</td>
<td>6.7</td>
<td>Hrs/Wk</td>
<td>ONLINE GRACE</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 18 ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

PHED 23 | SPORTS OFFICIATING | 2.0 Units

Theory and practical application of sports officiating with emphasis on the rules, techniques and mechanics of officiating.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>TR</td>
<td>5:00</td>
<td>6:05</td>
<td>2611 ROBINSON</td>
<td>06/17-08/08</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 57 | NUTRITION FOR FITNESS/FAT LOSS | 3.0 Units

Study the role that nutrition and activity play in developing fitness and lowering body fat. Major concepts of fitness and nutrition. Assessment of current fitness level, designing a personal fitness and nutritional plan.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>By Arr</td>
<td>6.7</td>
<td>Hrs/Wk</td>
<td>TBA GRACE</td>
<td>06/17-08/08</td>
<td>OP</td>
</tr>
</tbody>
</table>

PHED 57-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

POLITICAL SCIENCE

POSC 1 | INTRO TO AMERICAN GOVERNMENT | 3.0 Units

Introduction to the historical development of American political ideals and institutions including the United States Constitutions, civil liberties, civil rights, citizenship duties, political parties, participation and elections. Strongly recommended: Eligibility for English 1A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s) Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Lec</td>
<td>8:00</td>
<td>10:05</td>
<td>555 NOORI</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
<tr>
<td>D</td>
<td>Lec</td>
<td>10:30</td>
<td>12:35</td>
<td>556 ISAD</td>
<td>06/24-08/01</td>
<td>OP</td>
</tr>
</tbody>
</table>

POSC 1-EN1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online
PSY 1 GENERAL PSYCHOLOGY 3.0 Units
Introduction students to the scientific study of behavior and mental processes. Provides an overview of major psychological concepts and theories in such areas as consciousness, learning, memory, motivation, perception, personality, stress, and social behavior. Strongly recommended: English 1A.
D 10168 Lec MTWR 8:00-10:05 552 ESTEPA 06/24-08/01 OP 061
D 10347 Lec MTWR 10:30-12:35 552 DICKINSON 06/24-08/01 GR 062
O 10348 By Arr 6.7 Hrs/Wk ONLINE ESTEPA 06/17-08/08 GR 081
PSY 1-081 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online
O 10185 By Arr 9.0 Hrs/Wk TBA NIJJAR 06/24-08/01 OP EN1
PSY 1-EN1 is an online course, with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

PSYCHOLOGY-COUNSELING

PSCN 10 CAREER AND EDUCATION PLANNING 2.0 Units
Exploration of the concept of educational/career planning focusing on personal career development through self-assessment, psychological testing, and individual counseling. Emphasis on clarification of individual interests, values, needs, and abilities and investigation of occupational opportunities in the world of work. Designed for those undecided or uncertain about their career and educational plans. May not receive credit if Psychology-Counseling 10A or 10B has been completed.
D 10366 Lec MTWR 10:00-11:15 859 ALARCON 06/24-08/01 OP 001

REAL ESTATE

REST 80 REAL ESTATE PRINCIPLES 3.0 Units
Real estate and personal property acquisition, ownership, estates in real property, joint tenancies, sales contracts, homesteads, deeds and taxes. Methods of financing, and regulation of the real estate business.
O 10146 By Arr 6.7 Hrs/Wk ONLINE MUMFORD 06/17-08/08 OP EN1
REST 80-EN1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

REST 84 REAL ESTATE PRACTICE 3.0 Units
Principles and practical techniques of operating a real estate business. Emphasis on daily activities of brokers and salesperson; introduction to appraising, exchanges, listings, advertising, financing, and marketing. Exchanges, specialized brokerage, property management, professional and public relations. Strongly recommended: Real Estate 80.
O 10067 By Arr 6.7 Hrs/Wk ONLINE MUMFORD 06/17-08/08 GR EN1
REST 84-EN1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

SIGN LANGUAGE

SL 64 ASL BEGINNING SIGN LANGUAGE 3.0 Units
Introduction to beginning communication skills through the language of sign, with emphasis on American Sign Language (ASL). Introduction to an understanding of deafness and the deaf culture. Basic sign vocabulary, the manual alphabet, and a contrast with various other sign systems used throughout the United States.
T 10002 Lec MW 6:00-8:30 335 LOPEZ YANEZ 06/17-07/11 GR 041
SL 65 ASL INTERMEDIATE SIGN LANGUAGE 3.0 Units
Further development of skills and knowledge learned in Beginning Sign Language 64, with emphasis on American Sign Language (ASL). Communication of vocabulary building, with emphasis on applying ASL characteristics for communication in phrases and culturally specific language. Prerequisite: Sign Language 64 (completed with a grade of “C” or higher).
T 10008 Lec M-R 6:00-8:30 335 DADZIE 07/15-08/08 GR 041

SOCIOLOGY

SOCI 1 PRINCIPLES OF SOCIOLOGY 3.0 Units
Designed to illuminate the way students see their social world. Uses a sociological perspective: scientific study of human interaction and society, with emphasis on impact of groups on social behavior. Includes the systematic examination of culture, socialization, social organization, social class, race, gender, deviance, social change and empirical methodology. These content areas are woven throughout the fabric of the course, particularly as they affect the lives of at least three of the following groups: African Americans, Latino Americans, Asian Americans, Native Americans, Middle Eastern Americans and/or women.
D 10351 Lec MTWR 8:00-10:05 559 ZERMENO 06/24-08/01 GR A61
D 10084 Lec MTWR 10:30-12:35 553 SEDAED 06/24-08/01 OP A62
O 10101 By Arr 6.7 Hrs/Wk ONLINE SED 06/17-08/08 GR A71
O 10220 By Arr 6.7 Hrs/Wk ONLINE TONG 06/17-08/08 OP AN2

SOCI 4 MARRIAGE & FAMILY RELATIONS 3.0 Units
Sociological perspective of the family including mate selection, marital roles, marital adjustment, sexual adjustment, reproduction, child rearing, marital dissolution, and problems associated with the family in modern industrial society. Emphasis on methodology of family investigation.
O 10213 By Arr 6.7 Hrs/Wk ONLINE TONG 06/17-08/08 OP ANP
SOCI 4 - ANP is an online PACE course with no required on-campus meetings. Enrollment is restricted to PAC students. For important additional information, go to http://www.chabotcollege.edu/online

SPANISH

SPA 1A BEGINNING SPANISH 5.0 Units
Introduction to the Spanish-speaking cultures of the world featuring the study and practice of the four language skills (listening, speaking, reading, and writing) of Spanish. Strongly recommended: Eligibility for English 1A.
D 10151 Lec MTWR 7:45-10:15 359 ZERMENO 06/17-07/11 OP 041
Lab MTWR 12:30-1:20 352 OP
O 10180 By Arr 18.0 Hrs/Wk ONLINE MOON 06/24-08/01 OP ON1
SPA 1A-ON1 is an intensive 6-week online course with no required on-campus meetings. Students must have an email account and Internet access to log in to Blackboard by the first day of class, Monday June 24th, to read the announcements and see course assignments. To begin, go to http://www.chabotcollege.edu/online and click the course website. Contact the instructor for more information at cmoon@chabotcollege.edu Please note: due to the format some previous knowledge of Spanish is recommended for this course.
O 10309 Lec MW 9:30-1:00 335 MOON 06/24-08/01 OP ON2
Lec By Arr 3 Hrs/Wk ONLINE OP
Lab By Arr 7.4 Hrs/Wk ONLINE OP
This is an intensive 6-week hybrid course conducted both on-campus and over the Internet. Class starts Monday, June 24th. The class will meet Mondays and Wednesdays from 9:30-1:00 pm. Please note: students who do not attend the first meeting could be dropped from the class. Students must have an email account and Internet access before the first meeting. To begin, go to http://www.chabotcollege.edu/online and click the course website. For more information, contact cmoon@chabotcollege.edu. Please note: due to the format some previous knowledge of Spanish is recommended for this course.

THEATER ARTS

THTR 12 FILM AS ART & COMMUNICATION 4.0 Units
Introduction to film as art and communication. Analysis of films from various genres, with an emphasis on both technical aspects of filmmaking and story-telling.
D 10224 Lec MTWR 10:30-2:20 805 HASSAN 06/24-08/01 OP 061

WELDING TECHNOLOGY

WELD 70 INTRODUCTION TO WELDING 2.0 Units
Welding industry fundamentals including introduction to SAW, GMAW, GTAW, FCAW processes, oxyacetylene and braze welding, plasma and fuel gas cutting, general shop equipment usage, welding electricity fundamentals, shop safety, identification of welding consumables, hazardous materials regulation, introduction to blueprint reading as applied in manufacturing industry.
D 10201 Lec TR 3:30-5:00 1564 RAVEICA 06/24-08/01 OP 061
Lab TR 3:30-5:00 1416 OP
Lab Wed 3:30-5:00 1416 OP
### ACCOUNTING *(See course listing under Business)*

### ADMINISTRATION OF JUSTICE

#### ADMJ 45 LAW AND DEMOCRACY CAPSTONE 3.0 Units
*(See also Political Science 45)* The Law and Democracy course is an Interdisciplinary exploration of themes such as equality, citizenship, participation, access, and social justice. We will look critically at how law structures as well as limits democracy and examine the idea of democracy as a universal value. Strongly recommended: English 1A (completed with a grade of “C” or higher).
**Prerequisite: Political Science 1 or Administration of Justice 50 (completed with a grade of “C” or higher). May not receive credit if Political Science 45 has been completed.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21884</td>
<td>Lec</td>
<td>Tue</td>
<td>2:30-4:20</td>
<td>804 HANSON</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lec R</td>
<td>Tue</td>
<td>1:30-2:20</td>
<td>559</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21885</td>
<td>Lec</td>
<td>Tue</td>
<td>2:30-4:20</td>
<td>804 HANSON</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lec R</td>
<td>Tue</td>
<td>2:30-3:20</td>
<td>559</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ADMJ 50 INTRO TO ADMIN OF JUSTICE 3.0 Units
History and philosophy of administration of justice in America; recapitulation of the system; identifying various sub-systems, role expectations, and their interrelations; theories of crime, punishment, and rehabilitation; ethics, education and training for professionals in the system.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20082</td>
<td>Lec TR</td>
<td>Tue</td>
<td>9:00-10:15</td>
<td>555 STAFF</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20083</td>
<td>Lec MW</td>
<td>Tue</td>
<td>12:00-1:15</td>
<td>557 HANSON</td>
<td>08/19-12/20</td>
<td>OP 003</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20085</td>
<td>Lec Wed</td>
<td>6:00-8:50</td>
<td>555 HANSON</td>
<td>08/19-12/20</td>
<td>OP 071</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ANTHROPOLOGY

#### ANTH 1 BIOLOGICAL/PHYSICAL ANTHRO 3.0 Units
Humans as a biological species through an examination of fossil evidence for human evolution, behavior of nonhuman primates, and human evolutionary biology and genetics. Emphasis on uniquely human biological and behavioral characteristics, as well as those shared with other animals. Current Anthropological issues such as the biological meaning of race, genetic diseases, and the influence of evolution on human behavior.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21012</td>
<td>Lec</td>
<td>MW</td>
<td>9:00-10:15</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21111</td>
<td>Lec MW</td>
<td>10:30-11:45</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21251</td>
<td>Lec MW</td>
<td>12:00-1:15</td>
<td>503 STAFF</td>
<td>08/19-12/00</td>
<td>OP 003</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20539</td>
<td>Lec TR</td>
<td>9:00-10:15</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 004</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21175</td>
<td>Lec TR</td>
<td>10:30-11:45</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 005</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20643</td>
<td>Lec Tue</td>
<td>6:30-9:20</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 071</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20427</td>
<td>Lec R</td>
<td>6:30-9:20</td>
<td>503 GIOVANOLA</td>
<td>08/19-12/20</td>
<td>OP 01</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not fill will open up to all students on Aug. 5th. For information on the PACE Program, go to http://www.chabotcollege.edu/PACE*

#### ANTH 1L BIOLOGICAL/PHYSICAL ANTHRO LAB 1.0 Unit
Laboratory exercises developed as an adjunct to Anthropology 1 (Introduction to Biological/Physical Anthropology) including the identification of fossils through examination of fossil casts, the study of human artifacts, observation of primate behavior and structure, and problem-solving in case studies of human genetics.
**Prerequisite: Anthropology 1 (may be taken concurrently).**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20713</td>
<td>Lab Wed</td>
<td>3:00-5:50</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20401</td>
<td>Lab R</td>
<td>3:00-5:50</td>
<td>503 GIOVANOLA</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22402</td>
<td>Lab Tue</td>
<td>1:30-4:20</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 003</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20540</td>
<td>Lab Wed</td>
<td>6:30-9:20</td>
<td>503 GIOVANOLA</td>
<td>08/19-12/20</td>
<td>OP 071</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ANTH 3 SOCIAL/CULTURAL ANTHROPOLOGY 3.0 Units
How human beings in different cultures meet basic biological, social and cultural needs, including kinship and marriage practices, political and social organization, economic institutions, religious and childrearing practices, social change, as well as other aspects of cultural behavior. Emphasis on understanding other cultures on their own terms. Includes the many subcultures making up North American populations.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20846</td>
<td>Lec</td>
<td>TR</td>
<td>1:30-2:45</td>
<td>558 STAFF</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20847</td>
<td>Lec</td>
<td>TR</td>
<td>10:30-11:45</td>
<td>1564 STAFF</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21288</td>
<td>Lec Mon</td>
<td>6:30-9:20</td>
<td>503 STAFF</td>
<td>08/19-12/20</td>
<td>OP 071</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ANTH 5 CULTURES OF THE U.S. IN GLOBAL 3.0 Units
Issues relevant to understanding constructs of race, class, gender and culture in U.S. society from a global perspective. Factors affecting U.S. cultural communities including impacts of globalization, patterns of migration, permeability of cultural communities in the U.S.; the cultural politics of identity and xenophobia, and other factors influencing modern U.S. society.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21851</td>
<td>Lec</td>
<td>Wed</td>
<td>1:30-4:20</td>
<td>553 STAFF</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chabot College • Summer/Fall 2013 Class Schedule 510.723.6600 • www.chabotcollege.edu
ATHN 12 MAGIC/RELIGION/WITCHCRAFT/HEAL 3.0 Units
Cross-cultural perspectives on spirituality, religious practice, myth, ancestor beliefs, witchcraft and the variety of religious rituals and practitioners found in the cultures of the world. Examination of the cosmologies of different cultures through the anthropological perspective. Emphasis is placed on how knowledge of the religious practices and beliefs of others can help us to understand the multicultural world in which we live. Comparison of the ways in which diverse cultures confront the large and fundamental questions of existence: those dealing with the meaning of life, birth and death, and with the relationship of humans to each other and to their universe.

D 2127 Lec TR 3:00 4:15 531 STAFF 08/19-12/20 OP 001

ATHN 13 INTRO TO FORENSIC ANTHROPOLOGY 3.0 Units
An introductory course in the application of physical anthropology to the medico-legal process with an emphasis on the identification of human skeletal remains. Includes the basic human osteology and odontology, assessment of age at time of death, sex, ancestry, trauma analysis, pathology, and general physical characteristics including height and weight based upon minimal skeletal remains. Estimation of time since death, crime scene analysis, animal scavenging, and identification procedures.

D 21867 Lec Mon 1:30 4:20 503 GIOVANOLA 08/19-12/20 OP 001

ARCHITECTURE

ARCH 2A ARCH DRAWING & GRAPHICS I 3.0 Units
Introduction to freehand and mechanically constructed drawings employing orthographic, axonometric and linear perspective drawing systems to represent three-dimensional form and environments on two-dimensional surfaces. Emphasis on the understanding of basic drawing conventions, their implications and applications. Prerequisite: Art 2A (completed with a grade of “C” or higher).

E 20436 Lec MW 6:30 7:20 901 CHU 08/19-12/20 GR 071
MW 7:30 9:20 901 GR

ARCH 2B ARCH DRAWING & GRAPHICS II 3.0 Units
Continuation of the content and issues introduced in Architecture 2A plus the theories and methods for applying shadows, reflections, materials, entourage, and color in a variety of drawing types. Layout and integration of composite drawings in support of the process and presentation of architectural designs. Prerequisite: Architecture 2A (completed with a grade of “C” or higher).

E 20902 Lec MW 6:30 7:20 901 CHU 08/19-12/20 GR 071
MW 7:30 9:20 901 GR

ARCH 4A ARCH DRAFTING PRINCIPLES I 3.0 Units
Introduction to principles and practice of architectural drafting with emphasis on working drawings for wood frame construction; introduction to drafting concepts and conventions for architectural working drawings, basic building systems, and architectural applications of computer-aided drafting technology. Prerequisite: Architecture 68 (completed with a grade of “C” or higher) or equivalent.

D 21491 Lec TR 1:00 1:50 905 HUANG 08/19-12/20 OP 001
TR 2:00 3:50 905 OP

ARCH 4B ARCH DRAFTING PRINCIPLES II 3.0 Units
Continuation of Architecture 4A with emphasis on architectural working drawings of non-residential buildings with wood, masonry, steel and concrete structures. Application of advanced computer-aided drafting techniques for architectural construction documents will be reviewed, as will the use of electronic/web-based information sources, including Architectural Graphic Standards, Sweets Catalogs, and the Uniform Building Code. Prerequisite: Architecture 4A (completed with a grade of “C” or higher).

D 21492 Lec TR 1:00 1:50 905 HUANG 08/19-12/20 OP 001
TR 2:00 3:50 905 OP

ARCH 8A FUNDAMENTALS OF ARCH DESIGN I 4.0 Units
Introduction to the theories, principles, and methods of architectural design using traditional and digital media. Studio projects emphasize composing two- and three-dimensional organizations to convey intended concepts and meanings. Aesthetic, environmental, social, and technological factors which inform architectural design are investigated. Course work is supplemented with lectures, discussions, and readings. Prerequisite: Architecture 2B (completed with a grade of “C” or higher).

D 20435 Lec MW 1:00 2:15 907 HUANG 08/19-12/20 GR 001
MW 2:30 3:45 907 GR

ARCH 14 CALIF ARCHITECT & URBAN DESIGN 3.0 Units
California architecture and urban design from indigenous beginnings to the contemporary avant garde. Historic, cultural, and environmental influences on the shaping of California’s distinctive buildings and cities. Works reviewed range from anonymous adobes to historic masterpieces by Maybeck and Morgan to new works by Gehry, Moss, and others.

D 20710 Lec TR 1:00 2:45 TBA KENSINGER 08/19-12/20 GR 001
D 22344 Lec Sat 8:30 10:20 905 KENSINGER 09/07-12/07 OP 01
This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not fill will open up to all students on Aug. 5th. For information on the PACE Program, go to http://www.chabotcollege.edu/PACE

ARCH 33 3-D MODELING 3.0 Units
Introduction to 3-dimensional digital modeling using 3-dimensional software. Emphasis on learning basic commands to create 3-dimensional objects including building interiors and exteriors, and defining photo-realistic views with appropriate light sources. Prerequisite: Architecture 68 (completed with a grade of “C” or higher). May not receive credit if Art 33, Interior Design 33, or Photography 33 has been completed.

D 21490 Lec TR 9:00 10:50 905 HUANG 08/19-12/20 OP 001
TR 10:00 11:50 905 OP

ARCH 68 CAD ARCHITECTURE & INT DESIGN 3.0 Units
Introduction to computer-aided drafting. Topics include command basics including drawing entity creation and modification, industry layering standards, text and dimensioning systems appropriate to architecture, creating symbol libraries, external reference techniques, model and paper space commands, and plotting techniques. May not receive credit if Interior Design 68 has been completed.

D 20434 Lec MW 9:00 10:50 905 HUANG 08/19-12/20 GR 001
MW 10:00 11:50 905 GR

ART

ART 2A INTRODUCTION TO DRAWING 3.0 Units
Skill development in black and white drawing using composition, light and shade, perspective and other basics applied to realism drawing.

D 20552 Lec MW 9:00 10:50 901 GOLOJUCH 08/19-12/20 OP 001
D 20281 Lec TR 9:00 10:50 901 GOLOJUCH 08/19-12/20 OP 002
D 20002 Lec MW 12:00 1:50 901 GOLOJUCH 08/19-12/20 OP 003

ART 2B DRAWING AND COMPOSITION 3.0 Units
Development of knowledge and skills introduced in Art 2A, emphasizing media and composition and realism drawing at an intermediate level. Introducing the use of color. Prerequisite: Art 2A (completed with a grade of “C” or higher).

D 21667 Lec MW 9:00 10:50 901 GOLOJUCH 08/19-12/20 OP 001
D 21679 Lec TR 9:00 10:50 901 GOLOJUCH 08/19-12/20 OP 002
D 21681 Lec MW 12:00 1:50 901 GOLOJUCH 08/19-12/20 OP 003
### ART 2C INDIV PROJ ACDM REALISM DRAW 3.0 Units

Individual project development for advanced drawers to create a related body of drawings in the style of academic realism. Concept definition and development to be determined by the student and approved by the instructor. Prerequisite: Art 2B (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21668</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>901</td>
<td>GOLOJUCH</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>D 21680</td>
<td>Lec</td>
<td>TR</td>
<td>9:00 - 9:50</td>
<td>901</td>
<td>GOLOJUCH</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>D 21682</td>
<td>Lec</td>
<td>MW</td>
<td>12:00 - 12:50</td>
<td>901</td>
<td>GOLOJUCH</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>D 21669</td>
<td>Lec</td>
<td>TR</td>
<td>10:00 - 10:50</td>
<td>901</td>
<td>GOLOJUCH</td>
<td>08/19-12/20</td>
</tr>
</tbody>
</table>

### ART 3A FIGURE AND COMPOSITION I 3.0 Units

Fundamental skills, techniques and knowledge of art related to drawing of the human form using graphite, charcoal, ink, and conte crayon. Compare figurative compositions using the human form through design, master paintings, verbal and written descriptions, and critiques. Awareness of the creative process as it applies to anatomical analysis by class drawings, anatomy assignments, and figurative compositions which requires the student to explore design techniques, compose, and evaluate drawings. Open to any student, no drawing experience required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20354</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
<tr>
<td>D 20003</td>
<td>Lec</td>
<td>MW</td>
<td>12:00 - 12:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 3B FIGURE AND COMPOSITION II 3.0 Units

Continued development of knowledge and skills introduced in Art 3A. Emphasis on composition and color and different figurative design elements during the drawing of the human form. Strongly recommended: Art 3A (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20004</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
<tr>
<td>D 21052</td>
<td>Lec</td>
<td>MW</td>
<td>12:00 - 12:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 3C FIGURE AND COMPOSITION III 3.0 Units

Continued development of knowledge and skills further developed in Art 3B. Emphasis on composition and color and different figurative design elements during the drawing of the human form. Drawing elements stress emotions and expressions. Strongly recommended: Art 3B (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20005</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
<tr>
<td>D 21053</td>
<td>Lec</td>
<td>MW</td>
<td>12:00 - 12:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 3D FIGURE AND COMPOSITION IV 3.0 Units

Continued development of knowledge and skills further developed in Art 3C. Emphasis on composition and color and different figurative design elements during the drawing of the human form. Drawing elements stressing individual philosophies and expressions. Strongly recommended: Art 3C (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20006</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
<tr>
<td>D 21054</td>
<td>Lec</td>
<td>MW</td>
<td>12:00 - 12:50</td>
<td>1006 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 7A INTRO TO WATERCOLOR PAINTING 3.0 Units

Students will learn materials, methods, techniques and watch demonstrations of transparent watercolor painting, including its effects and possibilities. Students will work with the instructor to maximize watercolor painting skills during class and at home. Strongly recommended: Art 2A.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20296</td>
<td>Lec</td>
<td>TR</td>
<td>9:00 - 9:50</td>
<td>1006 KOMISAR</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
</tbody>
</table>

### ART 7B INTER WATERCOLOR PAINTING 3.0 Units

Continued development of knowledge and techniques introduced in 7A. Emphasis on various intermediate watercolor techniques that produce different types of watercolor paintings. Strongly recommended: Art 7A.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20297</td>
<td>Lec</td>
<td>TR</td>
<td>9:00 - 9:50</td>
<td>1006 KOMISAR</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
</tbody>
</table>

### ART 7C ADV WATERCOLOR PAINTING I 3.0 Units

Builds upon the skills and techniques introduced in 7B so that student can solve composition problems as well as begin to utilize personal expressions. Emphasizes composition, concept, and visualization skills. Strongly recommended: Art 7B.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20298</td>
<td>Lec</td>
<td>TR</td>
<td>9:00 - 9:50</td>
<td>1006 KOMISAR</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
</tbody>
</table>

### ART 7D ADV WATERCOLOR PAINTING II 3.0 Units

Continued development of skills and techniques introduced in 7C, directed towards individual needs, developing personalized imagery and beginning to settle on individual techniques. Strongly recommended: Art 7C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20299</td>
<td>Lec</td>
<td>TR</td>
<td>9:00 - 9:50</td>
<td>1006 KOMISAR</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
</tbody>
</table>

### ART 16A INTRODUCTION TO CERAMICS I 3.0 Units

Instruction in the fundamental techniques of wheel-thrown and hand-constructed clay forms. Survey of clay and glaze materials and reaction to fire will be included. Methods of decorating using glazes will be introduced. Influence of Eastern and Western contemporary and historical works and the students' creations. Formulate personal creative process, including inspiration, experimentation, and evaluation. Designed for art majors as well as general education students. Prerequisite: Art 16A (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20008</td>
<td>Lec</td>
<td>TR</td>
<td>1:00 - 1:50</td>
<td>1016 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 16B INTRODUCTION TO CERAMICS II 3.0 Units

Further development of the technical skills of wheel-thrown and hand constructed clay forms. Exploration of surface decoration, using various glazing techniques and methods of slip decoration is continued. Designed for art majors as well as general education students. Prerequisite: Art 16A (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20011</td>
<td>Lec</td>
<td>TR</td>
<td>1:00 - 1:50</td>
<td>1016 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 16C INTRODUCTION TO CERAMICS III 3.0 Units

Introduction of intermediate technical skills of throwing forms on the wheel with emphasis on the creative expression of the form. Kiln loading and firing procedure and process introduction. Continued development of various hand construction techniques of clay forms. Prerequisite: Art 16B (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20014</td>
<td>Lec</td>
<td>TR</td>
<td>1:00 - 1:50</td>
<td>1016 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 16D CERAMICS - INTERMEDIATE 3.0 Units

Intermediate technical skills of wheel-thrown and hand-constructed clay forms. Glaze exploration and experimentation. Exploration in the history of contemporary ceramic art and masters. Prerequisite: Art 16C (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20017</td>
<td>Lec</td>
<td>TR</td>
<td>1:00 - 1:50</td>
<td>1016 Staff - Fi</td>
<td>08/19-12/20</td>
<td>002</td>
</tr>
</tbody>
</table>

### ART 20 ALL MEDIA SCULPTURE 3.0 Units

Concentrated individual studies in sculpture, designed to provide opportunity for continued investigation in the possibilities of a particular sculptural medium for the purpose of creating individual expression. Repeatable for credit if medium is changed and appropriate recommended courses are completed.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20221</td>
<td>Lec</td>
<td>MW</td>
<td>9:00 - 9:50</td>
<td>1012 THIEL</td>
<td>08/19-12/20</td>
<td>001</td>
</tr>
</tbody>
</table>
ART 21  IND PRTJS IN CERAMIC SCULPTURE 3.0 Units
Previous projects in Ceramic Sculpture for intermediate to advanced students. Building on previous knowledge and skills required from previous work, students will produce artwork that expresses their individual styles. Strongly recommended: ART 17A (completed with a grade of “C” or higher).
D 22125 Lec TR 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
D 22126 Lec TR 10:00-11:50 1012

ART 22  METAL SCULP-LOST WAX BRNZ CSTG 3.0 Units
Comprehensive introduction to various metal sculpture processes. Mold-making techniques for casting bronze, aluminum, as well as basic welding. Emphasis on 3-dimensional design quality, craftsmanship, and subject matter, with research in the history of traditional and contemporary metal sculpture.
D 21788 Lec MW 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
MW 10:00-11:50 1012

ART 23  2-D FOUNDATIONS 3.0 Units
Introduction to the concepts, applications, and historical/multicultural references related to two-dimensional art and composition, including the study and analysis of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving and written assignments. 2 hours lecture, 4 hours studio. May not receive credit if ART 10 has been completed.
D 22060 Lec MW 1:00-1:50 1012 THIEL 08/19-12/20 GR 001
MW 2:00-3:50 1012

ART 17A  BEGINNING SCULPTURE 3.0 Units
Construction methods in clay through design of three-dimensional relief sculptures. Includes an introduction to ceramic art history and fundamentals of ceramic glaze and firing technology. Elements and principles of three-dimensional design are emphasized in oral and written critiques. This course is designed for art majors as well as general education students.
D 22577 Lec TR 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
Lab TR 10:00-11:50 1012

ART 17B  BEGINNING SCULPTURE 3.0 Units
Further development of the technical skills of three dimensional sculpture and bas relief. Development of style in surface decoration, using various glazing techniques and methods of slip decoration are continued. Designed for art majors as well as general education students. Prerequisite: ART 17A (completed with a grade of “C” or higher).
D 22578 Lec TR 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
Lab TR 10:00-11:50 1012

ART 18A  WOOD AND STONE SCULPTURE I 3.0 Units
Design and carve Bas-relief sculptures, using subtractive methods in wood and stone. Includes an introduction to art history and fundamentals of pneumatic (air power) technology. Elements and principles of three-dimensional design are emphasized in oral and written critiques. Designed for art majors as well as general education students. Prerequisite: ART 18A (completed with a grade of “C” or higher).
D 22598 Lec MW 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
Lab MW 10:00-11:50 1012

ART 18B  WOOD AND STONE SCULPTURE 3.0 Units
Design and carve 3-dimensional sculptures, using subtractive methods in wood and stone. Includes art history and fundamentals of pneumatic (air power) technology. Elements and principles of three-dimensional design are emphasized in oral and written critiques. Designed for art majors as well as general education students. Prerequisite: ART 18A (completed with a grade of “C” or higher).
D 22599 Lec MW 9:00-9:50 1012 THIEL 08/19-12/20 GR 001
Lab MW 10:00-11:50 1012

ART-HISTORY

ARTH 1  INTRODUCTION TO ART 3.0 Units
Architecture, sculpture, painting, photography and design in human inventiveness in providing for material and aesthetic needs; orientation to contemporary and historic art forms and principles.
D 21110 Lec MW 10:30-11:45 804 ZULIANI 08/19-12/20 OP 001
D 21109 Lec MW 12:00-1:15 804 ZULIANI 08/19-12/20 OP 002
S 21176 Lec TR 8:30-12:20 502 BURGESS 09/07-12/07 OP EP1
This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not fill will open up to all students on Aug. 5th. For information on the PACE Program, go to http://www.chabotcollege.edu/PACE

ARTH 4  ART HISTORY-ANCIENT TO GOTHIC 3.0 Units
History of Western art from prehistoric times through Egyptian, Mesopotamian, Aegean, Greek, Etruscan, Roman, Early Christian, Byzantine, Medieval, Romanesque and Gothic civilizations.
D 21666 Lec MW 3:00-4:15 804 ZULIANI 08/19-12/20 OP 001
D 22387 Lec TR 10:30-11:45 804 ZULIANI 08/19-12/20 OP 002

ARTH 6  TWENTIETH CENTURY ART 3.0 Units
History of significant Modern, Postmodern and Contemporary art movements. Lectures include discussions of works made in various media by well-known and lesser-known makers, including women artists, non-western artists, and artists of color.
E 21789 Lec Tue 6:30-9:20 804 Staff-Fi 08/19-12/20 OP 071

ARTH 50  INTRO MUSEUM & GALLERY TECHN 3.0 Units
Learn the display of visual art within a museum/gallery space. Meet artists from the Bay Area and beyond, learn the meaning behind their artwork, and gain hands-on practice in a range of activities covering the presentation, handling and security of original artwork in the Chabot Art Gallery.
D 21406 Lec TR 12:00-12:50 802 Staff-Fi 08/19-12/20 OP 001
Lab TR 1:00-2:15 802 OP

ASTRONOMY

ASTR 10  THE SOLAR SYSTEM 3.0 Units
Introduction to history and physical principles of astronomy, focusing on our Solar System. Includes: constellations; distance scales; historical development of astronomy; gravitation; motion of the earth, moon and planets; astronomical tools; formation and evolution of the solar system; physical properties, atmosphere, and evolution of the earth, moon, and planets within the solar system; asteroids, comets, and other small bodies; discovery of extra-solar planets; possibilities for life beyond Earth. Designed for non-majors in mathematics or physical science. This course may require you to purchase access to an online astronomy learning environment.
D 20056 Lec MW 10:30-11:45 1902 HILDRETH 08/19-12/20 OP 001
D 22026 Lec TR 10:30-11:45 1902 HILDRETH 08/19-12/20 OP 002

ASTR 20  STARS AND THE UNIVERSE 3.0 Units
Introduction to study of stars, galaxies, cosmology. Includes the nature of light and matter, telescopes, spectroscopy, stellar formation and evolution, galaxies, quasars, and cosmology. Designed for non-majors in mathematics or a physical science. This course may require you to purchase access to an online astronomy learning environment.
D 21077 Lec MW 9:00-10:15 1902 DAVE 08/19-12/20 OP 001
D 22486 Lec MW 3:00-4:15 1902 LEE 08/19-12/20 OP 002
O 21838 By Art 3.0 Hrs/Wk ONLINE HILDRETH 08/19-12/20 OP ON1
ASTR 20 ON1 is an online course. Students must have an email account and Internet access before the first day of class. For important additional information, go to http://www.chabotcollege.edu/online
Students must have an email account and internet access by the first day of class.
### AUTOMOTIVE TECHNOLOGY-BMW

**BMW 10  BMW TECHNICAL SYSTEMS  5.0 Units**  
Introduces and develops the use of BMW's technology including BMW's proprietary internet resource information systems and BMW's workshop equipment for diagnosis, coding and programming. Additional content includes service, maintenance, and warranty programs. **Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent.**  
*Students must have an email account and internet access by the first day of class.*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21556</td>
<td>Lec Wed 12:10 4:00 1418 SHADBOY</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Fri 8:00 12:20 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BMW 10 registration needs prior faculty approval. See Mike Sherburne, room 1548, or email for an appointment at: msherburne@chabotcollege.edu

**BMW 20  BMW BODY ELECTRONICS  5.0 Units**  
BMW Body Electronics covers basic electric, DVM's, breakout boxes and connectors, understanding diagnostics, BMW's drive away protection system (EVs), electronic signals, batteries, starting and charging systems, bus communication systems, power modules, car access systems (CAS) and voltage supply systems. **Prerequisite: BMW 10. Strongly recommended: ATEC 6A.**  
*Students must have an email account and internet access by the first day of class.*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21786</td>
<td>Lec Mon 12:00 12:50 1418 SHERBURN</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lec Wed 8:00 9:50 1418</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Mon 8:00 11:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Wed 10:00 11:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BMW 30  BMW CHASSIS DYNAMICS  5.0 Units**  
BMW Chassis Dynamics contains suspension geometry, BMW suspension systems, wheel alignment procedures, road force balancing, chassis dynamics, active steering systems, DSC dynamic drive systems, active all wheel drive systems, active roll stabilization, level control systems, electronic damper control, electronic parking brakes, and tire pressure monitoring systems. **Prerequisite: BMW 10, BMW 20. Strongly Recommend ATEC 4, ATEC 5.**  
*Students must have an email account and internet access by the first day of class.*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21796</td>
<td>Lec Mon 12:00 12:50 1418 SHERBURN</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lec Wed 8:00 9:50 1418</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Mon 8:00 11:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Wed 10:00 11:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BMW 40  BMW ENG ELEC & ENG TECH  5.0 Units**  
BMW Engine Electronics & Engine Technology entails the breakdowns the current BMW engine management systems into power supply, fuel management, air management, ignition, emissions, and performance controls. Engine diagnosis and repair in VANOS, Valvetronic, differential intake air systems (DISA), engine and vehicle managements are reinforced. **Prerequisite BMW 10, BMW 20. Strongly Recommend ATEC 8, ATEC 63A.**  
*Students must have an email account and internet access by the first day of class.*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21960</td>
<td>Lec Tue 1:00 3:50 1418 SHADBOY</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Tue 4:00 5:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R 1:00 4:50 1426</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BIOLOGICAL SCIENCES-ANATOMY

**ANAT 1 GENERAL HUMAN ANATOMY  5.0 Units**  
Structure and function of the human body with emphasis on microscopic, gross and developmental anatomy. Microscopic examination of normal and pathological tissues, and dissection, supplemented by use of charts, models, and computer assisted instruction. **Prerequisite: Biology 31 or equivalent course (completed with a grade of “C” or higher). Strongly recommended: Eligibility for English 1A or 52A.**

The Anatomy Lab (Room 2110) will be open on MW from 12:00-1:00pm for open labs. The open labs are not required but are to give students an opportunity to complete lab exercises and to obtain assistance from an instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20053</td>
<td>Lec MW 7:45 9:00 2110 WU</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab MW 9:05 11:55 2110</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 7:45 9:00 2110 RUGGIERO</td>
<td>GR 002</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 9:05 11:55 2110</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 21065</td>
<td>Lec TR 1:15 230 2110 LANGE</td>
<td>GR 003</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 2:35 5:25 2110</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 20055</td>
<td>Lec TR 5:45 7:00 2110 Staff - Sc</td>
<td>GR 01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 7:05 9:55 2110</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O 20653</td>
<td>Lab Wed 3:30 7:20 2110 LANGE</td>
<td>GR ON1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Wed 7:30 9:20 2110 LANGE</td>
<td>GR ON2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>By Arr 7.0 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ANAT 1-ON1 is a hybrid course with required on-campus, on Monday 9/9, 10/7, & 11/4 the class will meet from 5:30-6:45pm for exams. For additional information, go to http://www.chabotcollege.edu/online**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 22629</td>
<td>Lab Wed 7:30 9:20 2110 LANGE</td>
<td>GR ON2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>By Arr 7.0 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| ANAT 1-ON2 is a hybrid course with required on-campus, on Monday 9/9, 10/7, & 11/4 the class will meet from 7:30-8:45pm for exams. For additional information, go to http://www.chabotcollege.edu/online**

### BIOLOGICAL SCIENCES-BIOLOGY

**BIOL 2 PRINCIPLES OF CELL/MOLECULAR  5.0 Units**  
Principles of the structure and function of biological molecules, viruses, prokaryotic, and eukaryotic cells with emphasis on homeostasis, cell reproduction and its controls, molecular and transmission genetics, control of gene expression and interactions, genetic control of pattern formation in development, and cell metabolism. Intended for biological sciences majors. **Prerequisite: Biology 4 or 6 and Chemistry 1A or equivalent and Mathematics 55 or equivalent (all completed with a grade of “C” or higher). Strongly recommended: Eligibility for English 1A.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22524</td>
<td>Lec TR 1:00 2:15 2124 Staff - Sc</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 2:20 5:10 2124</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BIOL 4 PRIN OF ANIMAL BIOL/EVOLUTION  4.0 Units**  
Principles of the diversity, structure and function of heterotrophic organisms-animals, protists, and fungi with emphasis on homeostasis, cell reproduction and its controls, molecular and transmission genetics, control of gene expression and interactions, genetic control of pattern formation in development, and cell metabolism. Intended for biological sciences majors. **Prerequisite: Mathematics 55 or equivalent (completed with a grade of “C” or higher). Strongly recommended: Eligibility for English 1A.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22522</td>
<td>Lec TR 1:00 2:15 1803 HOWELL</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab TR 2:20 5:10</td>
<td>2130</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 22523</td>
<td>Lec TR 1:00 2:15 1803 HOWELL</td>
<td>GR 002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R 2:20 5:10</td>
<td>2130</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BIOL 6 PRINCIPLES OF PLANT BIOL&ECO  4.0 Units**  
Principles of the diversity, structure and function of plants, autotrophic protists, and bacteria with emphasis on cell reproduction, alternation of generations, homeostasis, development, phylogeny, taxonomy, and systematics. Principles of ecology including conservation biology. Intended for biological sciences majors. **Prerequisite: Mathematics 55 or equivalent (completed with a grade of “C” or higher). Strongly recommended: Eligibility for English 1A.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22043</td>
<td>Lec TR 7:45 9:00 1803 OTTO</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Tue 9:10 12:00 2130</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 22044</td>
<td>Lec TR 7:45 9:00 1803 OTTO</td>
<td>GR 002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R 9:10 12:00 2130</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## BIOL 10  INTRO TO THE SCIENCE OF BIOL  4.0 Units
Basic principles of biology, dealing with the nature of living things, and the nature of scientific investigation and its bioethical impact in our modern world. Designed for non-majors in biology or the biomedical sciences.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20059</td>
<td>Lec</td>
<td>MW</td>
<td>9:00</td>
<td>TBA OTTO</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
<tr>
<td>21211</td>
<td>Lec</td>
<td>MW</td>
<td>9:00</td>
<td>TBA OTTO</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>002</td>
</tr>
<tr>
<td>20058</td>
<td>Lec</td>
<td>MW</td>
<td>5:45</td>
<td>POLOS</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>071</td>
</tr>
<tr>
<td>20060</td>
<td>Lec</td>
<td>MW</td>
<td>5:45</td>
<td>POLOS</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>072</td>
</tr>
</tbody>
</table>

## BIOL 25  HUMAN HEREDITY AND EVOLUTION  3.0 Units
Fundamental concepts underlying heredity and evolution with a focus on human species. Includes cell division, reproduction, molecular genetics, inheritance, population genetics, and evolution. Contemporary topics such as reproductive technologies, biotechnology, gene therapy, prenatal diagnosis, bioethics, and the genetics of cancer will be explored.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22630</td>
<td>Lec</td>
<td>MW</td>
<td>1:30</td>
<td>3902 Staff</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
</tbody>
</table>

## BIOL 31  INTRO TO COLLEGE BIOLOGY  4.0 Units
Basic principles of biology. Includes origin of life, cell structure and function, cell division, reproduction, genetics, taxonomy, evolution, and cell metabolism. Laboratory emphasis on developing various laboratory skills, using the metric system, collecting data, graphing, interpreting data, utilizing statistics and simulations are studied.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20062</td>
<td>Lec</td>
<td>MW</td>
<td>7:30</td>
<td>2108 B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>20365</td>
<td>Lec</td>
<td>MW</td>
<td>7:30</td>
<td>B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>002</td>
</tr>
<tr>
<td>20063</td>
<td>Lec</td>
<td>MW</td>
<td>12:00</td>
<td>B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>003</td>
</tr>
<tr>
<td>20411</td>
<td>Lec</td>
<td>MW</td>
<td>12:00</td>
<td>B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>004</td>
</tr>
<tr>
<td>20061</td>
<td>Lec</td>
<td>TR</td>
<td>1:15</td>
<td>B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>005</td>
</tr>
<tr>
<td>20524</td>
<td>Lec</td>
<td>TR</td>
<td>1:15</td>
<td>B.</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>006</td>
</tr>
<tr>
<td>20644</td>
<td>Lec</td>
<td>TR</td>
<td>5:45</td>
<td>Wright</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>071</td>
</tr>
</tbody>
</table>

## BIOL 50  ANATOMY AND PHYSIOLOGY  4.0 Units
Structure and function of the human body is studied. Emphasis on human anatomy and physiological principles at the cellular and systemic level. Designed primarily for majors in paramedic and medical assisting programs and pre-medical students who wish to explore the realm of anatomy and physiology.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20600</td>
<td>Lec</td>
<td>TR</td>
<td>1:15</td>
<td>XU</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>20606</td>
<td>Lec</td>
<td>TR</td>
<td>1:15</td>
<td>XU</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>002</td>
</tr>
</tbody>
</table>

## BIOLOGICAL SCIENCES- ENVIRONMENT

### ENSC 10  HUMANS AND THE ENVIRONMENT  3.0 Units
Identification of problems created by humans’ modification of their environment by focusing on ecological interactions involving the human species; investigating the life processes of organisms as they relate to specific environments. Environmental Science 10, 11, and 12 may be combined for a maximum of 4 units.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21226</td>
<td>Lec</td>
<td>TR</td>
<td>10:30</td>
<td>HOWELL</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
</tbody>
</table>

### ENSC 11  HUMANS AND THE ENVIRONMENT/LAB  4.0 Units
Identification of problems created by humans’ modification of their environment by focusing on ecological interactions involving the human species; investigating the life processes of organisms as they relate to specific environments. Environmental Science 10, 11, and 12 may be combined for a maximum of 4 units.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21227</td>
<td>Lec</td>
<td>MW</td>
<td>9:00</td>
<td>HOWELL</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
</tbody>
</table>

## BIOLOGICAL SCIENCES- MICROBIOLOGY

### MICR 1  MICROBIOLOGY  5.0 Units
Bacteria, fungi, protozoa, and viruses with an emphasis on their relationship to humans and disease. Cultivation, control, metabolism, body’s defense against disease, microbial genetics, laboratory tests, and contemporary infectious diseases. Methods used in the laboratory includes staining, investigation, cultivation, identification of unknowns, and sensitivity testing. Prerequisite: Biology 31 and Chemistry 30A or Chemistry 1A (all completed with a grade of “C” or higher). Strongly recommended: Anatomy 1, eligibility for English 1A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21076</td>
<td>Lec</td>
<td>WF</td>
<td>7:30</td>
<td>CORONADO</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>21075</td>
<td>Lec</td>
<td>TR</td>
<td>5:45</td>
<td>WRIGHT</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>072</td>
</tr>
</tbody>
</table>

## BIOLOGICAL SCIENCES-PHYSIOLOGY

### PHSI 1  HUMAN PHYSIOLOGY  5.0 Units
Cellular and systemic body functions. Emphasis placed on physio- and electro-chemical and clinical methods, collection and analysis of data, extrapolations and conclusions. Working models, including human responses, Computer simulations are studied. Prerequisite: Chemistry 30A and Anatomy 1 (both with a grade of “C” or higher). Strongly recommended: Chemistry 30B, eligibility for English 1A or 52A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20078</td>
<td>Lec</td>
<td>TR</td>
<td>7:45</td>
<td>WU</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>21080</td>
<td>Lec</td>
<td>MW</td>
<td>1:15</td>
<td>MARAWALA</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>002</td>
</tr>
<tr>
<td>21081</td>
<td>Lec</td>
<td>MW</td>
<td>3:45</td>
<td>MARAWALA</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20803</td>
<td>Lec</td>
<td>R</td>
<td>2:30</td>
<td>MARAWALA</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>072</td>
</tr>
</tbody>
</table>

This is a hybrid format class where students will do the same lab activities, but half of them are done outside the class by Physiology interactive DVD issued with the course lab manual. The interactive software also covers a lot of the didactics for the course, with special issues being covered in class. This section meets on the assigned weekday on campus. Students are required to have access to a PC operating Windows or Intel Mac with Mac OS 10.5 or higher that can handle DVDs and have access to the college’s website. The first day of class will serve as orientation, and students are required to purchase their lab book pack the first day so that they can be issued the course software on DVD.
### BUS 1A  FINANCIAL ACCOUNTING 4.0 Units
Explores financial accounting, its importance and how it is used by internal and external users as decision-making tool. Covers forms of organizations; accounting information systems; application of general accounting principles; and preparation, interpretation and analysis of various forms of financial statements. Includes topics on cash flow statement, cash and accrual accounting concepts, merchandising operation, internal control and ethics, reporting and accounting for receivables, payables, long-term assets and liabilities, inventory, depreciation, stockholders’ equity, stocks and bonds. **Strongly recommended: Business 7.**

**Success in this course will require student to have personal access to a computer station that can run software related to this course and Internet connectivity.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20606</td>
<td>Lec</td>
<td>MW</td>
<td>10:30-12:20</td>
<td>1607 KALYAGIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>D 20024</td>
<td>Lec</td>
<td>TR</td>
<td>8:00-10:20</td>
<td>301 BHANGAL</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>D 20025</td>
<td>Lec</td>
<td>TR</td>
<td>8:00-10:20</td>
<td>1607 KALYAGIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>D 21785</td>
<td>Lec</td>
<td>TR</td>
<td>10:30-11:45</td>
<td>1607 WONG</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>004</td>
<td></td>
</tr>
</tbody>
</table>

**By Arr 1.0 Hrs/Wk ONLINE**

**BUS 1A-004 is a hybrid course, with a portion of the class taught online.** For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22303</td>
<td>Lec</td>
<td>MW</td>
<td>12:30-2:20</td>
<td>301 KLEIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>005</td>
<td></td>
</tr>
<tr>
<td>E 20026</td>
<td>Lec</td>
<td>Tue</td>
<td>6:30-9:20</td>
<td>1607 KALYAGIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>071</td>
<td></td>
</tr>
</tbody>
</table>

**By Arr 1.0 Hrs/Wk ONLINE**

**BUS 1A-071 is a hybrid course, with a portion of the class taught online.** Success in this course will require student to have personal access to a computer station that can run software related to this course and Internet connectivity. For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 20870</td>
<td>By Arr</td>
<td>4.0 Hrs/Wk</td>
<td>ONLINE BHANGAL</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON1</td>
<td></td>
</tr>
<tr>
<td>O 21205</td>
<td>By Arr</td>
<td>4.0 Hrs/Wk</td>
<td>ONLINE BHANGAL</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON2</td>
<td></td>
</tr>
<tr>
<td>O 21316</td>
<td>By Arr</td>
<td>4.0 Hrs/Wk</td>
<td>ONLINE WONG</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON3</td>
<td></td>
</tr>
</tbody>
</table>

**BUS 1A-ON1 & ON2 & ON3 are online courses, with no required on-campus meetings. For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20605</td>
<td>Lec</td>
<td>MW</td>
<td>10:30-12:20</td>
<td>301 BHANGAL</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>O 21021</td>
<td>By Arr</td>
<td>4.0 Hrs/Wk</td>
<td>ONLINE WONG</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON1</td>
<td></td>
</tr>
<tr>
<td>O 21206</td>
<td>By Arr</td>
<td>4.0 Hrs/Wk</td>
<td>ONLINE WONG</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON2</td>
<td></td>
</tr>
</tbody>
</table>

**BUS 1B-ON1 & ON2 are online course, with no required on-campus meetings.** For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 21317</td>
<td>Lec</td>
<td>Wed</td>
<td>6:00-7:15</td>
<td>301 WONG</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>071</td>
<td></td>
</tr>
</tbody>
</table>

**BUS 2-071 is partially taught on-line (1.5 hrs classroom + 1.5 hrs online).** Students must have an email account and internet access before the first day of class. For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 20608</td>
<td>Lec</td>
<td>MW</td>
<td>9:00-10:15</td>
<td>1609 YOO</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>O 20609</td>
<td>Lec</td>
<td>MW</td>
<td>10:30-11:45</td>
<td>1609 YOO</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>D 21142</td>
<td>Lec</td>
<td>TR</td>
<td>9:00-10:15</td>
<td>1613 KLEIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>D 20610</td>
<td>Lec</td>
<td>TR</td>
<td>10:30-11:45</td>
<td>1613 KLEIN</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>004</td>
<td></td>
</tr>
<tr>
<td>D 20611</td>
<td>Lec</td>
<td>MW</td>
<td>1:00-2:15</td>
<td>1609 Staff</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>005</td>
<td></td>
</tr>
<tr>
<td>E 20613</td>
<td>Lec</td>
<td>Wed</td>
<td>6:30-9:20</td>
<td>455 Staff</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>071</td>
<td></td>
</tr>
<tr>
<td>O 20614</td>
<td>By Arr</td>
<td>3.0 Hrs/Wk</td>
<td>ONLINE PINKAS</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON1</td>
<td></td>
</tr>
<tr>
<td>O 21284</td>
<td>By Arr</td>
<td>3.0 Hrs/Wk</td>
<td>ONLINE PINKAS</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON2</td>
<td></td>
</tr>
<tr>
<td>O 21143</td>
<td>By Arr</td>
<td>3.0 Hrs/Wk</td>
<td>ONLINE PINKAS</td>
<td></td>
<td></td>
<td>08/19-12/20 OP</td>
<td>ON3</td>
<td></td>
</tr>
</tbody>
</table>

**BUS 3 INCOME TAX ACCOUNTING 4.0 Units**
Analysis of the current Federal regulations that affect the income tax liability of individuals. Emphasis on the Federal rules and differences in the California Law. **Students must have an email account and Internet access before the first day of class.** For important additional information, go to [http://www.chabotcollege.edu](http://www.chabotcollege.edu).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21869</td>
<td>Lec</td>
<td>TR</td>
<td>8:00-9:50</td>
<td>1607 HATTER</td>
<td></td>
<td>08/19-12/20 OP</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>CRN</td>
<td>Type(s)/Days</td>
<td>Times</td>
<td>Room</td>
<td>Instructor</td>
<td>Dates</td>
<td>Code</td>
<td>Sec</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------</td>
<td>---------------</td>
<td>---------</td>
<td>-------</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>BUS 14</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3.0 Units</td>
<td>Theory and application of written and oral communications in a professional business environment: organization of messages, editing for tone and polish, presentation techniques, meeting management, job search communications.</td>
<td>Strongly recommended: Eligibility for English 1A.</td>
<td>D 21870</td>
<td>Lect TR 9:00-10:15</td>
<td>1609 PATTERSON</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>BUS 16</td>
<td>BUSINESS MATHEMATICS</td>
<td>3.0 Units</td>
<td>Mathematics to solve typical business problems including simple interest, compound interest, installment sales, and cash discounts, markup percents, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks, bonds, and distribution of ownership and profits.</td>
<td>E 21842</td>
<td>Lect R 6:30-9:20</td>
<td>1611 Staff - Ap</td>
<td>08/19-12/20</td>
<td>OP</td>
</tr>
<tr>
<td>BUS 21</td>
<td>HUMAN RESOURCE MANAGEMENT</td>
<td>3.0 Units</td>
<td>Introduction to the management of human resources. The impact and accountability of human resources to the organization. Global human resource strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensation, benefits, and employee rights.</td>
<td>Student must have an email account &amp; internet access by the first day of class.</td>
<td>D 20620</td>
<td>Lect TR 1:30-2:45</td>
<td>1608 PINKAS</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>BUS 22</td>
<td>INTRO TO MANAGEMENT</td>
<td>3.0 Units</td>
<td>Principles and concepts of traditional management tasks, contemporary management challenges related to such topics as people, diversity, quality, social responsibility and ethics, the global environment, production management, information technology, competitiveness and innovation, building alternative work situations and the internet.</td>
<td>D 21144</td>
<td>Lect TR 10:30-11:45</td>
<td>1609 SILVA-WILKI</td>
<td>08/19-12/20</td>
<td>OP</td>
</tr>
<tr>
<td>BUS 34</td>
<td>INTRO TO ADVERTISING</td>
<td>3.0 Units</td>
<td>Contributions of advertising to marketing and communication, including coordination and development of sales promotion programs, media selection, copy writing, research and budgeting.</td>
<td>O 21145</td>
<td>By Arr 3.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>PINKAS</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>BUS 36</td>
<td>INTRO TO MARKETING</td>
<td>3.0 Units</td>
<td>Survey of marketing, including consumer behavior, company and environmental analysis, market segmentation, product development, pricing, promotion, and distribution.</td>
<td>Student must have an email account &amp; internet access by the first day of class.</td>
<td>D 22366</td>
<td>Lect TR 10:30-11:45</td>
<td>301 NOVAK</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>BUS 40</td>
<td>INTERNATIONAL BUSINESS</td>
<td>3.0 Units</td>
<td>Exploration of major factors involved in developing international trade. An overview of globalization, its impact on both Western and non-Western societies, theories of global trade, monetary environment, foreign market analysis, sociocultural forces, global ethics, global political and economic institutions, and international operations. Emphasis on current events in the global business environment.</td>
<td>O 21024</td>
<td>By Arr 3.8 Hrs/Wk</td>
<td>ONLINE</td>
<td>LALAMI</td>
<td>09/09-12/20</td>
</tr>
<tr>
<td>BUS 50C</td>
<td>INTERVIEWING FOR SUCCESS</td>
<td>1.0 Unit</td>
<td>Principles and techniques of successful employment interviews: interview preparation, selling your qualifications, managing difficult qualifications, following up on the interview.</td>
<td>O 21208</td>
<td>By Arr 3.6 Hrs/Wk</td>
<td>ONLINE</td>
<td>LALAMI</td>
<td>08/19-09/20</td>
</tr>
<tr>
<td>BUS 50D</td>
<td>RESUMES AND JOB APPL LETTERS</td>
<td>1.0 Unit</td>
<td>Research and preparation of persuasive employment search documents, including company research, self-assessment, document composition and format. Includes resumes, job application letters, and follow up communications.</td>
<td>May be offered in Distance Education delivery format.</td>
<td>O 21060</td>
<td>By Arr 3.6 Hrs/Wk</td>
<td>ONLINE</td>
<td>DERMODY</td>
</tr>
<tr>
<td>BUS 50K</td>
<td>LISTENING SKILLS</td>
<td>1.0 Unit</td>
<td>Examination of listening styles and skill development for the business environment. Includes exploration of the benefits of listening, listening attitudes, and tips for improving listening.</td>
<td>O 21209</td>
<td>By Arr 3.6 Hrs/Wk</td>
<td>ONLINE</td>
<td>IANNIELLO</td>
<td>10/28-12/13</td>
</tr>
<tr>
<td>BUS 50L</td>
<td>CAREERS IN BUSINESS</td>
<td>1.0 Unit</td>
<td>Exploration of the wide variety of potential careers in business, and the educational preparation appropriate for those careers.</td>
<td>O 21210</td>
<td>By Arr 3.6 Hrs/Wk</td>
<td>ONLINE</td>
<td>LALAMI</td>
<td>09/23-10/25</td>
</tr>
<tr>
<td>BUS 50P</td>
<td>QUALITY CUSTOMER SERVICE</td>
<td>1.0 Unit</td>
<td>Techniques and tools to understand customer expectations, and to exceed those expectations. Includes analysis of customer needs, delivery of quality customer service, and dealing with challenging customers to win customer loyalty.</td>
<td>O 21324</td>
<td>By Arr 3.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>LALAMI</td>
<td>09/23-10/25</td>
</tr>
<tr>
<td>BUS 70</td>
<td>HEALTH CARE FINANCIAL MGMT</td>
<td>3.0 Units</td>
<td>Overview of finance and accounting in health care organizations, including the financial structure of both for profit and non-profit healthcare organizations. Particular emphasis on private and third party payment systems, reporting requirements, accounts receivable management, budgeting, and resource allocation. Strongly recommended: Business 7.</td>
<td>O 22631</td>
<td>By Arr 3.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>LEADBEEATER</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>BUS 72</td>
<td>LEADERSHIP OF HEALTH CARE ORGS</td>
<td>3.0 Units</td>
<td>Survey of key issues and effective management approaches in health care organizations, including organizational structure and governance, information technology, facilities and guest services, planning, marketing and strategy.</td>
<td>O 22312</td>
<td>By Arr 3.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>LEADBEEATER</td>
<td>08/19-12/20</td>
</tr>
</tbody>
</table>

Note: For additional information, go to [http://www.chabotcollege.edu/online](http://www.chabotcollege.edu/online)
BUS 96 EXCEL SPREADSHEETS FOR ACCCTG 2.0 Units
Fundamentals of using electronic spreadsheets (Microsoft Excel) for accounting projects. Focus on solving accounting problems and completing accounting projects with Microsoft Excel. Strongly recommended: Business 1A, Business 7, or equivalent AND Computer Application Systems 54A or Computer Application Systems 72E.

CHEM 1B GENERAL COLLEGE CHEMISTRY II 5.0 Units
Continuation of Chemistry 1A. Chemical energetics and equilibria, solutions and ionic equilibria, acid-base chemistry, electrochemistry, coordination chemistry, kinetics, nuclear chemistry, organic chemistry, and the chemistry of family groups of the periodic table. Laboratory emphasizes quantitative techniques, including instrumentation, and qualitative analysis. Prerequisite: Chemistry 1A (completed with a grade of "C" or higher).

CHEM 10 INTRODUCTION TO CHEMISTRY 4.0 Units
A non-mathematical survey of the basic concepts of chemistry designed for non-science majors. Basic structure, properties and reactivity of matter and energy as they relate to our environmental nutrition, material science and other current topics. May not be taken for credit if Chemistry 1A or Chemistry 31 has been completed.

CHEM 12A ORGANIC CHEMISTRY I 5.0 Units
The structure, nomenclature, bonding, stereochemistry, conformational analysis, physical properties in relation to alkanes, alkyl halides, alkenes, alkynes, aromatics, and aldehydes. Emphasis on reactivity and reaction mechanisms. Multi-step synthesis is also introduced. Laboratory work includes microscale, semi-microscale, spectroscopic, and chromatographic techniques. Chemistry 12A is the first semester in a year course in organic chemistry designed for students majoring in chemistry and related disciplines. Prerequisite: Chemistry 1B (completed with a grade of "C" or higher).

BUS 93 QUICKBOOKS 2.0 Units
QuickBooks introduces the concepts of bookkeeping/accounting using the theory of double-entry bookkeeping. Learn to use the QuickBooks software for a set up, service business and merchandising business. Setting up chart of accounts, accounts receivable, accounts payable, inventory, payroll and preparation and analysis of financial statements. Strongly recommended: Business 1A, Business 7 or equivalent.

CHEM 30A INTRO AND APPLIED CHEMISTRY I 4.0 Units
Chemistry of inorganic compounds, atomic theory, bonding, equations, gas laws, solutions, acid-base theory and oxidation-reduction. Designed for certain majors in allied health and technological fields and for general education. Prerequisite: Mathematics 65 or 65B or 65L (completed with a grade of "C" or higher).

BUS 95 BUSINESS WORK EXPERIENCE 3.0 Units
College supervised on-the-job training for work in a business related occupation. Through the cooperation of the work supervisor, contract to accomplish new learning objectives or broaden experiences in the work field. Corequisite: Business 96.

BUS 96 BUSINESS WK EXPERIENCE SEMINAR 1.0 Unit
Focal point for the coordination of curriculum with college supervised part-time or full-time employment in major field. Case studies, job related problems, student cases and presentations, and material related to employment, organizations and management. Corequisite: Business 95.

CHEM 1A GENERAL COLLEGE CHEMISTRY I 5.0 Units
Introduction to atomic structure, bonding, stoichiometry, thermochemistry, gases, matter and energy, oxidation-reduction, chemical equations, liquids and solids, solutions, chemical energetics and equilibrium. Laboratory includes both quantitative and qualitative experiments. Prerequisites: Mathematics 55 or 55B or 55Y and Chemistry 31 (all courses completed with a grade of "C" or higher). The Chemistry 31 prerequisite can be fulfilled by demonstrating the appropriate skill level in the Chemistry Placement Process.

CHEMISTRY
COMM 30B INTRO AND APPLIED CHEMISTRY II 4.0 Units

Continuation of Chemistry 30A with emphasis on organic and biochemical concepts related to human physiological systems. Designed for certain majors in the allied health sciences and technological fields. **Prerequisite:** Chemistry 30A (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20413 Lec</td>
<td>MW 7:30 - 8:45</td>
<td>1906 DUDON</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Mon</td>
<td>9:00 - 11:50</td>
<td>3901</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20787 Lec</td>
<td>MW 7:30 - 8:45</td>
<td>1906 DUDON</td>
<td>08/19-12/20</td>
<td>GR 002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Wed</td>
<td>9:00 - 11:50</td>
<td>3901</td>
<td>GR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 31 INTRO TO COLLEGE CHEMISTRY 4.0 Units

Elementary concepts of chemistry with emphasis on mathematical calculations; includes nomenclature, stoichiometry, atomic structure, gas laws, and acids and bases. Designed for majors in science and engineering. **Prerequisite:** Mathematics 55 or 55B (completed with a grade of "C" or higher).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20074 Lec</td>
<td>MW 12:00 - 1:15</td>
<td>1803 STANTON</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Mon</td>
<td>1:30 - 4:20</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20075 Lec</td>
<td>MW 12:00 - 1:15</td>
<td>1803 STANTON</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Wed</td>
<td>1:30 - 4:20</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20076 Lec</td>
<td>TR 1:15 - 2:30</td>
<td>1012 REBELO</td>
<td>08/19-12/20</td>
<td>OP 003</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Tue</td>
<td>2:40 - 5:30</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 21212 Lec</td>
<td>TR 1:15 - 2:30</td>
<td>1812 REBELO</td>
<td>08/19-12/20</td>
<td>OP 004</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R</td>
<td>2:40 - 5:30</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 20077 Lec</td>
<td>TR 5:30 - 6:45</td>
<td>1908 Staff - Sc</td>
<td>08/19-12/20</td>
<td>OP 071</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Tue</td>
<td>6:50 - 9:40</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 22546 Lec</td>
<td>TR 5:30 - 6:45</td>
<td>1908 Staff - Sc</td>
<td>08/19-12/20</td>
<td>OP 072</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab R</td>
<td>6:50 - 9:40</td>
<td>3921</td>
<td>OP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 2A ORAL INTERPRETATION OF LIT I 3.0 Units

Development of skills in reading quality literature aloud; practice in writing scholarly criticism of the literature presented orally.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21389 Lec</td>
<td>TR 10:30 - 11:45</td>
<td>810 WARDA</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 3 GROUP COMMUNICATION 3.0 Units

Communication in small group situations. Role of communication in various group processes, including norms, roles, leadership and decision-making, with application to modern concepts of organizational communication. Includes participation in simulation exercises and group activities.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21756 Lec</td>
<td>MW 12:00 - 1:15</td>
<td>852 MARTINEZ</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 5 READER’S THEATER 3.0 Units

Introduction to the various media and techniques used in readers’ theater and the arrangement and programming of literature. Performance and/or arrangement of programs for specific audiences - children, young adults, and adults - by using live theater presentations, television, and/or radio.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21755 Lec</td>
<td>MW 10:30 - 11:45</td>
<td>802 GREGORY</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 9 COLLOQUIUM- COMMUNICATION STUD 1.0 Unit

Discuss and practice tutor skills, speech preparation, delivery/rehearsal feedback and tutors will also apply these concepts with one-on-one tutoring with students across campus.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22610 Lab Tue</td>
<td>12:00 - 12:50</td>
<td>803 MARTINEZ</td>
<td>08/19-12/20</td>
<td>P/N 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This is a tutor training course for students who have been approved to work as a tutor in the Communication Lab. Instructor recommendation and interview are required prior to registration. Contact Veronica Martinez at vmartinez@chabotcollege.edu for more information.

COMM 10 INTERPERSONAL COMMUNICATION 3.0 Units

Exploration, discussion, and evaluation of the components of verbal and nonverbal communication processes. **Strongly recommended:** Eligibility for English 1A or 52A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21390 Lec</td>
<td>MW 10:30 - 11:45</td>
<td>801 MARTINEZ</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 11 INTERCULTURAL COMMUNICATION 3.0 Units

Intercultural communication, with a focus on the analysis and comparisons of message perception and transmission in interactions between people from different cultures. Particular attention to values and meanings reflected in American culture, specifically the crisisisscening dynamics of race, ethnicity, gender, and class. Emphasis on practical application of skills for effective communication between people of different domestic and international cultures.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21392 Lec</td>
<td>MW 1:30 - 2:45</td>
<td>811 WARDA</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 20 PERSUASION AND COMMUNICATION 3.0 Units

Investigation and development of persuasive techniques, strategies, and theories throughout ancient and modern times. Topics will include rhetoric, propaganda, and formal/informal argumentation. Emphasis on the creation, techniques, and analysis of persuasive speaking. **Strongly recommended:** English 1A and Communication Studies 1.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22305 Lec</td>
<td>MW 1:30 - 2:45</td>
<td>802 AMES</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMM 46 ARGUMENTATION & DEBATE 3.0 Units

Analysis of contemporary questions through written and spoken discourse. Analysis, criticism and synthesis of contemporary moral, political, economic and philosophical issues of a diverse, multicultural society, using traditional and modern models of argumentation. **Strongly recommended:** English 1A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21393 Lec</td>
<td>MW 10:30 - 11:45</td>
<td>853 AMES</td>
<td>08/19-12/20</td>
<td>OP 001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 21394 Lec TR</td>
<td>10:30 - 11:45</td>
<td>801 KEELING-HAI</td>
<td>08/19-12/20</td>
<td>OP 002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 22363 Lec MW</td>
<td>1:30 - 2:45</td>
<td>861 DAVIS</td>
<td>08/19-12/20</td>
<td>OP 003</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 22664 Lec TR</td>
<td>2:30 - 3:45</td>
<td>801 ZELL</td>
<td>08/19-12/20</td>
<td>OP 004</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not fill will open up to all students on Aug. 5th. For information on the PACE Program, go to http://www.chabotcollege.edu/PACE
COM 48 ACTIVITIES IN FORENSICS 1.0-4.0 Units
Intercollegiate competition in the areas of public speaking, debate, and oral interpretation. Other activities include performance in workshops, festivals, concert readings and the community.

D 21395 Lab Tue 2:30-4:20 810 AMES 08/19-12/20 GR 001
Lab By Arr 2.0 Hrs/Wk. TBA
GR
As a condition of enrollment for this class, students will be required to sign an agreement to conform to a code of conduct.

COMM 50 INTRO TO COMMUNICATION STUDIES 3.0 Units
A survey of the discipline of Communication Studies with emphasis on multiple epistemological, theoretical, and methodological issues relevant to the systematic inquiry and pursuit of knowledge about human communication. This course explores basic history, assumptions, principles, processes, variables, methods, and specializations of human communication as an academic field of study.

Strongly recommended: Eligibility for English 1A.
D 22304 Sec. MW 12:00-1:15 802 AMES 08/19-12/20 OP 001

COMPUTER APPLICATION SYSTEMS

CAS 50 INTRO TO COMPUTER APPL SYSTEMS 3.0 Units
Introduction to computer applications systems as it relates to business and home use. Course introduces software topics in Microsoft Windows, Microsoft Office, internet, World Wide Web, electronic mail, file management, data communications and an introduction to basic computer programming. Hardware topics include PC system components and troubleshooting issues. Other topics include computer-based careers and trends, electronic computing issues, terminology, electronic communication skills, ethics, security, and netiquette in today’s business computing environment.

D 20215 Sec. MW 9:00-10:15 1611 LANDEROS 08/19-12/20 GR 001
By Arr 1.0 Hrs/Wk. ONLINE
GR
D 20216 Sec. TR 10:30-11:45 1611 DERMODY 08/19-12/20 GR 002
By Arr 1.0 Hrs/Wk. ONLINE
GR
CAS 50-001 & 002 requires one hour lab each week. The lab portion for this course will be online. Instructor will provide information for the lab on the first day of class

O 20218 By Arr 7.2 Hrs/Wk. DERMODY 09/03-11/10 GR EN1
O 20217 By Arr 7.2 Hrs/Wk. O’TOOLE 10/07-12/10 GR EN2
O 21569 By Arr 3.0 Hrs/Wk. ONLINE WHITEHEAD 08/19-12/20 GR EN1
By Arr 1.0 Hrs/Wk. ONLINE
GR
CAS 50-EN1, EN2 &EN1 are online courses with no on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 54A MICROSOFT EXCEL I 3.0 Units
Introduction to spreadsheet techniques using Microsoft Excel to create a variety of spreadsheets with emphasis on business application programs. Calculate data using functions and formulas. Create charts, link and consolidate worksheets. This course prepares students to take the Microsoft Office Specialist, (MOS) core level certification. Strongly recommended: Computer Application Systems 50, Computer Application Systems 72E, or Computer Science 8.

D 20538 Sec. TR 8:30-9:20 1611 LANDEROS 08/19-12/20 GR 001
Lab TR 9:30-10:20 1611
GR
O 21165 By Arr 7.2 Hrs/Wk. ONLINE O’TOOLE 10/07-12/10 GR EN1
CAS 54A-EN1 is an online course, with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 58 INTRO TO MICROSOFT ACCESS 3.0 Units
Introduction to Microsoft Access, a computer program that is used to organize, store, and retrieve information. Understanding of data, file and database concepts using Microsoft Access for Windows with emphasis on business applications. Identify and evaluate client needs/ requirements and translate those needs into a working database application model. Integrate Access data with other Microsoft applications, such as Word and Excel. Strongly recommended: Computer Application Systems 50 or CAS 72G.

D 20358 Sec. Mon 1:00-2:15 1611 CHUN 08/19-12/20 GR 001
Lab Wed 1:00-3:15 1611
GR

CAS 72A ELEM COMP KEYBOARDING I 1.0 Unit
Introduction to the computer keyboard for developing correct keyboarding skills.

O 21167 By Arr 6.7 Hrs/Wk. ONLINE DERMODY 08/19-10/11 P/N EN1
O 20446 By Arr 6.7 Hrs/Wk. ONLINE DERMODY 10/14-12/13 P/N EN2
CAS 72A-EN1 & EN2 are short-term, online courses with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72B ELEM COMP KEYBOARDING II 1.0 Unit
Computer keyboard skill development for improving keyboarding accuracy and speed. Introduction to word processing techniques will also be taught including introduction to basic word processing techniques. Strongly recommended: Computer Application Systems 72A.

O 21328 By Arr 6.7 Hrs/Wk. ONLINE WONG 08/19-10/11 P/N EN1
O 20447 By Arr 6.7 Hrs/Wk. ONLINE DERMODY 10/14-12/13 P/N EN2
CAS 72B-EN1 & EN2 are short-term online courses with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72D INTRO TO MICROSOFT WORD 1.0 Unit
Introduction to word processing using Microsoft Word. Strongly recommended: Computer Applications Systems 72A or Computer Application Systems 72B.

O 20448 By Arr 6.7 Hrs/Wk. ONLINE REINOSA 08/19-10/11 P/N EN1
O 21793 By Arr 6.7 Hrs/Wk. ONLINE CLINE 10/14-12/13 P/N EN2
CAS 72D-EN1 & EN2 are short-term online courses with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72E INTRO TO MICROSOFT EXCEL 1.0 Unit
Introduction to spreadsheets using Microsoft Excel. Strongly recommended: Computer Application Systems 72A or Computer Application Systems 72B.

O 20449 By Arr 6.7 Hrs/Wk. ONLINE REINOSA 08/19-10/11 P/N EN1
O 21793 By Arr 6.7 Hrs/Wk. ONLINE CLINE 10/14-12/13 P/N EN2
CAS 72E-EN1 & EN2 are short-term online courses with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72F INTRO TO MICROSOFT POWERPOINT 1.0 Unit
Introduction to presentations using Microsoft PowerPoint. Strongly recommended: Computer Application Systems 72A or Computer Application Systems 72B.

O 20540 By Arr 6.7 Hrs/Wk. ONLINE WHITEHEAD 08/19-10/11 P/N EN1
CAS 72F-EN1 is a short-term online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72G INTRO TO MICROSOFT ACCESS 1.0 Unit
Introduction to data bases using Microsoft Access. Strongly recommended: Computer Application Systems 72A or Computer Application Systems 72B.

O 21850 By Arr 6.7 Hrs/Wk. ONLINE WONG 08/19-10/11 P/N EN1
CAS 72G-EN1 is a short-term online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72J TEN-KEY 1.0 Unit
Self-paced ten-key course using the computer numeric keypad.

O 21166 By Arr 6.7 Hrs/Wk. ONLINE BRICHACEK 08/19-10/11 P/N EN1
CAS 72J-EN1 is a short-term, online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72K BUS ENGLISH SKILLS I 1.0 Unit
Self-paced Business English course focusing on English fundamentals as applied to business documents.

O 21434 By Arr 6.7 Hrs/Wk. ONLINE BRICHACEK 08/19-10/11 P/N EN1
CAS 72K-EN1 is a short-term online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

CAS 72L BUS ENGLISH SKILLS II 1.0 Unit
Continuation of self-paced Business English course focusing on English fundamentals as applied to business documents. Strongly recommended: Computer Application Systems 72K.

O 21794 By Arr 6.7 Hrs/Wk. ONLINE REINOSA 10/14-12/13 P/N EN1
CAS 72L-EN1 is a short-term online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online
### CNT 88A NETWORKING MICROSOFT 1 3.0 Units
Basic word processing using Microsoft Word to produce business letters, memos, reports, tables and other documents. Includes Microsoft Office Core Certification preparation. **Strongly recommended: Computer Application Systems 72A, and 72B. Combined credit for Computer Application systems 55, 61, and 88A may not exceed 12 units.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20646</td>
<td>Lec</td>
<td>TR</td>
<td>1:00-1:50</td>
<td>1611 DERMODY</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21166</td>
<td>Lec</td>
<td>By Arr</td>
<td>8.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>DERMODY</td>
<td>10/14-12/20</td>
<td>GR EN1</td>
<td></td>
</tr>
</tbody>
</table>

CAS 88A-EN1 is a late start online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### CAS 100 ADAPTED COMPUTER KEYBOARDING 3.0 Units
Introduction to the correct keyboarding techniques and familiarity with the entire computer keyboard, including the number pad with emphasis on adaptive, one-handed, and ergonomical keyboarding skills. This course is designed for students with disabilities.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20750</td>
<td>Lec</td>
<td>MW</td>
<td>2:30-3:20</td>
<td>303 GOLDE</td>
<td>08/19-12/20</td>
<td>P/N 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lab</td>
<td>MW</td>
<td>3:30-4:45</td>
<td>303</td>
<td></td>
<td></td>
<td>P/N</td>
<td></td>
</tr>
</tbody>
</table>

### CAS 101 ADAPTED WORD PROCESSING 3.0 Units
Individualized adapted basic word processing techniques using specialized keyboarding commands, accessibility options, adapted keyboard and mouse hardware and software to produce letters, memos, reports, tables, and other documents. This course is designed for students with disabilities.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20751</td>
<td>Lec</td>
<td>TR</td>
<td>2:30-3:20</td>
<td>303 GOLDE</td>
<td>08/19-12/20</td>
<td>P/N 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lab</td>
<td>TR</td>
<td>3:30-4:45</td>
<td>303</td>
<td></td>
<td></td>
<td>P/N</td>
<td></td>
</tr>
</tbody>
</table>

### CAS 102 INTRO TO ASSISTIVE TECHNOLOGY 1.0-3.0 Units
Self-paced lab course in assistive technology using screen reader, scan and read, speech recognition, and screen enlargement software programs. Designed for students with disabilities, based on their individual needs.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20752</td>
<td>Lec</td>
<td>Mon</td>
<td>2:40-5:10</td>
<td>2407 ALLEN</td>
<td>08/19-12/20</td>
<td>P/N 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mon</td>
<td>8:00-8:50</td>
<td>2407</td>
<td></td>
<td></td>
<td>P/N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td>12:00-12:50</td>
<td>2407</td>
<td></td>
<td></td>
<td>P/N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed</td>
<td>6:00-6:50</td>
<td>2407</td>
<td></td>
<td></td>
<td>P/N</td>
<td></td>
</tr>
<tr>
<td>21683</td>
<td>Lec</td>
<td>MTW</td>
<td>8:00-8:50</td>
<td>2407 ALLEN</td>
<td>08/19-12/20</td>
<td>P/N 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MTW</td>
<td>8:00-8:50</td>
<td>2407 ALLEN</td>
<td>08/19-12/20</td>
<td>P/N 003</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed</td>
<td>6:00-6:50</td>
<td>2407 ALLEN</td>
<td>08/19-12/20</td>
<td>P/N 003</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CAS 103 ASSISTIVE TECHNOLOGY LAB 1.0 Unit
Support and individualized instruction in access technology use and adaptive strategies while working on assignments and research projects. Major emphasis on the Personal Computer and its practical use. Designed for students with disabilities.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20753</td>
<td>Lec</td>
<td>TR</td>
<td>3:30-4:45</td>
<td>2407 ALLEN</td>
<td>08/19-12/20</td>
<td>P/N 001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### COMPUTER NETWORKING TECHNOLOGY

#### CNT 82B NETWORKING SM TO MED BUS/ISP 3.0 Units
Second of four courses in the Cisco® Networking Academy® CCNA® Discovery program, providing career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT™) and Cisco Certified Network Associate (CCNA™) exams. Students will install, configure, and troubleshoot Cisco IOS® devices, plan a wired network infrastructure, implement basic WAN connectivity, demonstrate proper disaster recovery procedures, perform server backups, monitor network performance, isolate failures, and troubleshoot problems using logical application of the OSI model and the process of encapsulation. **Prerequisite: ESYS 72A (completed with a grade of “C” or higher) or CNT 82A (completed with a grade of “C” or higher) or, CNT 82B (completed with a grade of “C” or higher) or, CNT 82C (completed with a grade of “C” or higher) or, ESYS 72B (completed with a grade of “C” or higher). May not receive if Computer Applications Systems 92B or Electronic Systems Technology 72B has been completed.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22529</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>08/19-10/14</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22530</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>10/21-12/16</td>
<td>EN2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EN1</td>
<td></td>
</tr>
</tbody>
</table>

#### CNT 82C ROUTING & SWITCHING IN THE ENT 3.0 Units
Third of four courses in the Cisco® Networking Academy® CCNA® Discovery program, providing career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT™) and Cisco Certified Network Associate (CCNA™) exams. Students will implement, configure, and troubleshoot an enterprise LAN network utilizing VLANs, access control list, WAN links and advanced routing protocols. **Prerequisite: ESYS 72B (completed with a grade of “C” or higher) or, ESYS 72B (completed with a grade of “C” or higher) or, CNT 82B (completed with a grade of “C” or higher). **

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22531</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>08/19-10/14</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22532</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>10/21-12/16</td>
<td>EN2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EN1</td>
<td></td>
</tr>
</tbody>
</table>

#### CNT 82D DESIGN & SUPPORT COMP NET 3.0 Units
Fourth of four courses in the Cisco® Networking Academy® CCNA® Discovery program, provide career-oriented, IT-skills instruction. CCNA Discovery prepares the student for the Cisco Certified Entry Network Technician (CCENT™) and Cisco Certified Network Associate (CCNA™) exams. Students will implement, configure, and troubleshoot an enterprise LAN network utilizing VLANs, access control list, WAN links and advanced routing protocols. **Prerequisite: ESYS 72C (completed with a grade of “C” or higher) or, ESYS 72C (completed with a grade of “C” or higher) or, CNT 82C (completed with a grade of “C” or higher). **

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22533</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>08/19-10/14</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22534</td>
<td>Lec</td>
<td>Mon</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>10/21-12/16</td>
<td>EN2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By Arr</td>
<td>4.3 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td>DERMODY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EN1</td>
<td></td>
</tr>
</tbody>
</table>

#### CNT 83A IT ESSENTIALS: PC H & SOFTWARE 2.0 Units
First of two courses in the Cisco Networking Academy IT Essentials program. Students will describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also connect to the Internet and share resources in a network environment. Additional topics covered include laptops and portable devices, wireless connectivity and basic implementation skills, Voice over Internet Protocol (VoIP), security, safety and environmental issues, applied network configuration and troubleshooting skills, and communication skills. May not receive credit if Electronic Systems Technology 63A has been completed.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22525</td>
<td>Lec</td>
<td>Wed</td>
<td>6:00-10:05</td>
<td>1602 CASINI</td>
<td>08/21-10/09</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EN1</td>
<td></td>
</tr>
</tbody>
</table>

Go to http://www.chabotcollege.edu/online
CSCI 83B IT ESSENTIALS: PC HARD/SOFT II 2.0 Units

Second of two courses of the Comcast Networking Academy IT Essentials program. Students will describe the process for upgrading computer hardware, assemble a computer system, upgrade, configure, and optimize an operating system, and troubleshoot using system tools and diagnostic software. Students will also connect to the Internet and share resources in a network environment. Additional advanced topics covered include laptops and portable devices, wireless connectivity, Voice over Internet Protocol (VoIP), security, applied network configuration and troubleshooting skills.  

Prerequisite: EYS 63A (completed with a grade of “C” or higher) or CNT 83A (completed with a grade of “C” or higher).  

May not receive credit if Electronic Systems Technology 63B has been completed.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22526</td>
<td>Lab Wed</td>
<td>6:00</td>
<td>10:05</td>
<td>1616</td>
<td>CASINI</td>
<td>10/16-12/11</td>
<td>GR</td>
<td>EN1</td>
</tr>
<tr>
<td></td>
<td>By Arr 2.2 Hrs/Wk</td>
<td></td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CNT 83B-EN1 is partially taught online. For important additional information, go to http://www.chabotcollege.edu/online

COMPUTER SCIENCE

CSCI 7 INTRO COMP PROGRAM CONCEPTS 3.0 Units

Introduction to computer programming for non-science majors and for students requiring additional preparation before taking Computer Science 10 or Computer Science 14. Hardware, system software basics, the history of computing, basic computer operations, number systems, design of algorithms and programming constructs such as variables, expressions, input/output, decision-making, loops, functions and parameters.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20774</td>
<td>Lec TR</td>
<td>1:15</td>
<td>2:30</td>
<td>1813</td>
<td>CHUN</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
<tr>
<td></td>
<td>Lab Tue</td>
<td>2:45</td>
<td>3:35</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20775</td>
<td>Lec MW</td>
<td>6:00</td>
<td>7:15</td>
<td>1812</td>
<td>CHUN</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>071</td>
</tr>
<tr>
<td></td>
<td>Lab Mon</td>
<td>7:30</td>
<td>8:20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CSCI 8 COMPUTER LITERACY 3.0 Units

Intro to computers including: Microsoft Windows, Microsoft Office, multimedia, using browsers and World Wide Web, types of computer software in use including programming languages, electronic mail, computer-based careers and trends, and other computing issues. No prior computer experience necessary. Recommended for students of any major who want to learn about computers and how to use them. Hands-on laboratory experience. Strongly recommended: Eligibility for Mathematics 65, 65A, or 65L. May not receive credit if Computer Application Systems 8 has been completed.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20406</td>
<td>Lec TR</td>
<td>8:30</td>
<td>9:20</td>
<td>1813</td>
<td>WONG</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
<tr>
<td></td>
<td>Lab TR</td>
<td>9:25</td>
<td>10:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20451</td>
<td>By Arr 4.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>TRAUGOTT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20799</td>
<td>By Arr 4.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>TRAUGOTT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CSCI 8 ON1 & ON2 are online courses. Students must have an email account and Internet access before the first day of class. For important additional information, go to http://www.chabotcollege.edu/online

CSCI 10 INTRO/PROGR/VISUAL BASIC 4.0 Units

Introduction to computer programming using Microsoft's programming language Visual BASIC.NET for Windows. The course includes programming algorithm development, Visual Studio.NET's IDE, the language's basic syntax and grammar, object event procedures, input/output, looping techniques, decision logic, variable data types, functions and subroutines and text file and database manipulation. Intended for a general audience with little or no prior formal programming experience. Strongly recommended: Computer Science 7 or Computer Science 8 or Computer Application Systems 8.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20054</td>
<td>Lec TR</td>
<td>6:00</td>
<td>7:15</td>
<td>1812</td>
<td>CHUN</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>071</td>
</tr>
<tr>
<td></td>
<td>Lab TR</td>
<td>7:30</td>
<td>8:20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DENTAL HYGIENE

DHYG 52A PERIODONTICS 2.0 Units

Normal periodontium and the deviations from health, with emphasis on the hygienist's responsibility in examination, data collection and recognition of disease. Dental Hygiene therapy for periodontal disease prevention, active case management and maintenance programs. Contribution factors to disease process and case management. Decision-making for patient referral to the periodontal specialist.  

Prerequisite: Dental Hygiene 51 (completed with a grade of “C” or higher).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20532</td>
<td>Lec R</td>
<td>10:00</td>
<td>11:50</td>
<td>2258</td>
<td>PINESCHI-PE</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
</tbody>
</table>

DHYG 54 PHARMACOLOGY 2.0 Units

Sources, dosages, therapeutic action, and side effects of drugs used in dentistry and dental hygiene. Includes legal and ethical aspects of drug usage.  

Corequisite: Dental Hygiene 57.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20086</td>
<td>Lec R</td>
<td>8:00</td>
<td>9:50</td>
<td>2254</td>
<td>PINESCHI-PE</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
</tbody>
</table>
DHYG 56A COMMUNITY DENTAL HEALTH I 1.0 Unit
Individual and community oral health problems, relative to personal, family, and public health needs. Corequisite: Dental Hygiene 80A. Strongly recommended: Speech 1, 10, or 30.
D 20087 Lec Tue 10:00 10:50 2258 CHEUNG 08/19-12/20 GR 001

DHYG 57 EXPANDED FUNCTIONS FOR DH 2.0 Units
Dental hygiene advanced clinical functions including clinical practice in administration of local anesthetics, topical anesthetic agents, nitrous oxide/oxygen analgesia and soft tissue curettage. Corequisites: Dental Hygiene 54 and 81A.
D 20088 Lec R 1:00 1:50 2202 PINESCHI-PE 08/19-12/20 GR 001
Clin R 2:00 4:50 2204

DHYG 60 DENTAL ANATOMY AND MORPHOLOGY 1.5 Units
Development, eruption, and structures of the intraoral cavity and extra oral structures; structures of the teeth, tooth numbering systems, occlusion and anomalies. Identification of teeth and oral structure. Prerequisite: Admission into the Dental Hygiene Program. Corequisites: Dental Hygiene 60L, 69A and 71A.
D 21687 Lec Wed 8:00 9:30 2202 COAN 08/19-12/20 GR 001

DHYG 60S DENTAL ANATOMY AND MORPHOLOGY 0.5 Unit
Supplement instruction on the development, eruption, and structures of the intra oral cavity and extraoral structures: structures of the teeth, tooth numbering systems, occlusion and anomalies. Identification of teeth and oral structure. Corequisite: Dental Hygiene 60.
D 21440 Lec Fri 4:00 5:15 2202 COAN 08/19-12/20 OP 001

DHYG 61 HEAD AND NECK ANATOMY 2.0 Units
Anatomy of the head, neck and oral cavity, structure and function of the oral cavity and adjacent structures. Emphasis on clinical recognition of normal structures, the anatomical relationships between structures, their vascular supply and the regional osteology. Corequisites: Dental Hygiene 61L, 69A and Dental Hygiene 71A.
D 20316 Lec Fri 8:00 9:50 2202 COAN 08/19-12/20 GR 001

DHYG 61S HEAD AND NECK ANAT IND STUDY 1.0 Unit
Supplement instruction on the embryology of the head, neck and oral cavity, structure and function of the oral cavity and adjacent structures. Emphasis on recognition of normal structures, the anatomical relationships between structures and regional osteology. Corequisite: concurrent enrollment in Dental Hygiene 61.
D 21441 Lec Fri 10:00 12:50 2202 COAN 08/19-12/20 OP 001

DHYG 68 EXTENDED CLINICAL EXPERIENCES 0.5 Unit
Clinical dental hygiene practice and screening for the California State Board Examination. Designed for Chabot College Dental Hygiene Program graduates who are not yet licensed in the State of California. Includes practice and screening of patients. Prerequisite: Graduate of the Dental Hygiene Program.
D 21727 Clin By Arr 1.0 Hrs/Wk TBA GALLIANO 08/21-10/31 P/N 001

DHYG 69A ORAL HEALTH CARE EDUCATION 2.0 Units
Educational techniques and technical skills used to assist individuals and groups in becoming integrally involved in their dental/oral health care. Information and application of information related to oral health care, oral health promotion and disease prevention. Corequisite: Current enrollment in the Dental Hygiene Program.
D 20549 Lec Wed 1:00 2:50 2202 ORTEGA 08/19-12/20 GR 001

DHYG 71A PRE-CLINICAL DENTAL HYGIENE 4.0 Units
Laboratory and clinical experiences in patient assessment, dental hygiene care planning, goal setting and implementation of instrumentation techniques for providing prevention oriented dental care and non-surgical periodontal therapy. Emphasis on post-treatment evaluation. Application of theory to the treatment of clinical patients. Corequisites: Dental Hygiene 60, 69A and 71L.
D 20089 Lec TR 8:00 8:50 2202 CARLSON 08/19-12/20 GR 001
Clin Tue 9:00 11:50 2204 GR
Clin R 9:00 11:50 2204 GR

DHYG 71S PRE-CLINICAL DENTAL HYG IND STUDY 1.0 Unit
Supplemental instruction in the use of dental hygiene instruments. Emphasis on instrumentation techniques including the use of fulcrum options, modified pen grasp, direct and indirect vision. Corequisite Dental Hygiene 71A.
D 21442 Lab Tue 1:00 3:50 2202 CARLSON 08/19-12/20 OP 001

DHYG 74A DENTAL RADIOGRAPHY I 3.0 Units
Introduction to principles of radiography, x-ray equipment, protection, operation of x-ray equipment, infection control procedures and hazardous waste maintenance. Practice in film exposure, processing, mounting and interpretation. Prerequisite: current enrollment in the Dental Hygiene program.
D 20092 Lec Mon 12:00 1:50 2202 CHEUNG 08/19-12/20 GR 001
Lab Mon 9:00 11:50 2216 GR
D 20093 Lec Mon 12:00 1:50 2202 CHEUNG 08/19-12/20 GR 002
Lab Mon 2:00 4:50 2216 GR
D 20094 Lec Mon 12:00 1:50 2202 CHEUNG 08/19-12/20 GR 003
Lab Wed 9:30 12:20 2216 GR
Lab R 1:00 3:50 2216 GR

DHYG 80A PATIENT MANAGEMENT 1.0 Unit
Dental hygiene therapy with emphasis on the child patient and periodontal patients, education in prevention and control of dental disease, and case documentation. Corequisites: Dental Hygiene 71B, Corequisites: Dental Hygiene 56A and Dental Hygiene 81A.
D 20095 Lec Tue 9:00 9:50 2202 GALLIANO 08/19-12/20 GR 001

DHYG 81A CLINICAL PRACTICE I/DHYG 4.0 Units
Continuation of clinical experience in performing dental hygiene therapy with emphasis on the young child and periodontal patient; patient education in prevention and control of dental disease, emergency procedures. Prerequisite: Dental Hygiene 69B and Dental Hygiene 71B (both completed with a grade of “C” or higher). Corequisites: Dental Hygiene 56A, 57, 80A and 83.
D 20096 Lec Wed 9:00 11:50 2204 PAPAS 08/19-12/20 GR 001
Clin Wed 1:00 1:50 2204 GR
Clin Fri 9:00 11:50 2204 GR
Clin Fri 1:00 1:50 2204 GR

DHYG 82A CLINICAL EXPER SEMINAR I/DHYG 1.0 Unit
Discussion and analysis of case-based clinical situations. Case studies addressing client care, protocol and advanced clinical techniques. Corequisites: Dental Hygiene 80A.
D 20550 Lec Tue 11:00 11:50 2202 PAPAS 08/19-12/20 GR 001

DIGITAL MEDIA

DIGM 31A PHOTOSHOP I 1.5 Units
Introduction to the use of Photoshop software for creating and editing digital images. Topics include retouching and restoration of photographs, color management, digital painting, and preparing images for printing.
D 21114 Lec TR 2:00 2:50 908 SCHAEFFER 08/19-10/11 OP E01
Lab TR 3:00 4:50 908 OP

DIGM 31B PHOTOSHOP II 1.5 Units
Continuation of the content and skills introduced in Digital Media 31A (Photoshop I). Topics include filters, advanced layer effects, preparing images for commercial printing, and preparing images for use on web pages. Prerequisite: Digital Media 31A (completed with a grade of “C” or higher).
D 22335 Lec TR 2:00 2:50 908 SCHAEFFER 10/14-12/13 OP E01
Lab TR 3:00 4:50 908 OP

DIGM 32A ILLUSTRATOR I 1.5 Units
D 21876 Lec MW 1:00 2:50 908 SCHAEFFER 08/19-12/20 OP 001
E 22351 Lec Tue 6:30 7:20 908 SCHAEFFER 08/19-12/20 OP 071
DIGM 35A DREAMWEAVER I 1.5 Units
Introduction to the basic skills required for designing and producing Web pages and multi-page Web sites, providing a foundation for eventual creation of interactive, multimedia Web sites. Hand-coding HTML, and Cascading Style Sheets; using Dreamweaver software as a site design and management tool.
D 20804 Lec MW 9:00-9:50 908 SCHAFFER 08/19-10/11 OP E01
Lab MW 10:00-11:50 908 OP

DIGM 36A FINAL CUT I 1.5 Units
Introduction to video editing using Apple's Final Cut Pro software (or its simpler counterpart, Final Cut Express). Capturing digital video; combining video clips by means of cuts and transitions; adding titles and audio; outputting the finished product to disk. Each student must have a firewire hard drive and a set of headphones or earbuds.
D 21877 Lec MW 12:00-12:50 908 SCHAFFER 08/19-10/11 OP E01
Lab 1:00-2:50 908 OP

DIGM 40 INDIV PROJECTS/DIGITAL MEDIA 1.0 Unit
Individual projects in digital media at the intermediate to advanced level. Development of knowledge and skills acquired in previous or current work with emphasis on current projects involving animation, interactive scripting, illustration, photo manipulation, video editing, website development, or some combination of these. Enrollment by portfolio or permission of instructor.
D 21283 Lab By Arr 4.0 Hrs/Wk 908 SCHAFFER 08/19-12/20 OP 001

EARLY CHILDHOOD DEVELOPMENT

ECD 40 SOCIAL & EMOTIONAL FOUNDATIONS 3.0 Units
Focus on the healthy social and emotional development of young children as the foundation for children's early learning. Students will become aware of the role of the teacher in establishing an environment that promotes the healthy social and emotional development of young children. Strongly recommended: Early Childhood Development 56 and 62.
E 21219 Lec Wed 6:30-9:20 556 SHERRY 08/19-12/20 GR 071

ECD 50 ECD PRINCIPLES AND PRACTICES 3.0 Units
Historical and contemporary systems of Early Childhood group care, career opportunities, licensing requirements, professional qualifications, differing orientations to early childhood education, developmental stages of young children as related to quality programs that have developmentally appropriate and inclusive curriculum.
D 21119 Lec MW 10:30-11:45 3521 OZDEMIR 08/19-12/20 OP 001
D 21118 Lec TR 9:00-10:15 405 KELLEY 08/19-12/20 OP 002
E 21412 Lec Tue 6:30-9:20 506 OZDEMIR 08/19-12/20 GR 071
O 20825 By Arr 3.0 Hrs/Wk ONLINE RODRIGGS 08/19-12/20 GR ON1
ECD 50-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

S 21749 Lec Sat 9:00-12:10 559 CALOCA 08/19-12/20 OP 082
ECD 50-082 will be taught in Spanish. For more information and to register for this class, contact Ana Del Aguila 510-723-7284 or adelaguila@chabotcollege.edu. Esta clase sera dictada en espanol. Para mas informacion y registrarse en esta clase llame a Ana Del Aguila 510-723-7284 o adelaguila@chabotcollege.edu

ECD 52 CHILDHOOD AND ADOLESCENCE 3.0 Units
Concentrating on the portions of the lifespan from middle childhood continuing through adolescence and addressing both typical and atypical children. Biological changes such as puberty, brain, cognitive development, changes in family and peer relationships, and identity development will be explored. Includes an understanding of the various contexts in which this age group develops, such as family, peer groups, school, and work. Emphasis on the continuity, observation, scientific methods, and stages of development.
D 22446 Lec MW 1:00-2:15 555 OZDEMIR 08/19-12/20 GR 001

ECD 54 CHILD HEALTH/SAFETY/NUTRITION 3.0 Units
Aspects of nutrition, health and safety that promote and maintain the health and wellbeing of all children and adults who work with young children. Topics include health and nutritional guidelines, maintaining safe and healthy learning environments, state regulations, policies and procedures, common childhood illnesses, infectious diseases, school-family collaboration and emergency preparedness, first aid and injury prevention.
O 22405 By Arr 3.0 Hrs/Wk ONLINE RODRIGGS 08/19-12/20 GR ON1
ECD 54-ON1 is an online course with no required on-campus meetings. http://www.chabotcollege.edu/online
S 21358 Lec Sat 9:00-12:10 555 FONTENO 08/19-12/20 OP 082
CPR Certification will be available for an additional cost.

ECD 56 CHILD GROWTH AND DEVELOPMENT 3.0 Units
A study of the major physical, psychosocial, and cognitive/language development milestones for children both typical and atypical from conception through adolescence. There will be an emphasis on interactions between maturation processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. If you took ECD 51 you DO NOT have to take ECD 56.
D 21750 Lec MW 9:00-10:15 3521 OZDEMIR 08/19-12/20 GR 001
D 21751 Lec TR 10:30-11:45 3521 MCCREGOR 08/19-12/20 GR 002
E 21752 Lec R 6:30-9:20 506 OZDEMIR 08/19-12/20 GR 071
O 21754 By Arr 3.0 Hrs/Wk ONLINE OZDEMIR 08/19-12/20 GR ON1
ECD 56-ON1 is an online course, with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online/

ECD 60 YOUNG CHILD/EXCEPTIONAL NEEDS 3.0 Units
Introduction to educational philosophies for educating infants and children with exceptional needs. Typical and atypical developmental characteristics and abilities in infants and preschoolers. Assessments, interventions, and learning environments for the infant and preschooler with exceptional needs. Prerequisite: Early Childhood Development 56 (completed with a grade of “C” or higher).
E 21083 Lec Wed 6:30-9:20 557 LONG 08/19-12/20 OP 071

ECD 61 LITERATURE FOR THE YOUNG CHILD 3.0 Units
An introduction to young children's literature, the development of speech and language and the exploration of teaching techniques which promote language, literacy and literature for the young child. Selection, evaluation and use of fiction, non-fiction, prose and poetry from written and/or recorded children's literature in the early childhood classroom. Approaches to reading books, storytelling, story writing, and use of puppets, flannel boards and props to facilitate children's language and appreciation of literature.
S 21218 Lec Sat 9:00-12:10 553 MCCREGOR 08/19-12/20 GR 082

ECD 62 CHILD, FAMILY AND COMMUNITY 3.0 Units
Patterns of family living in contemporary society, including the varying roles and interactions of family members; demographic, socio-cultural, racial, economic and developmental factors affecting family life and their implications; relationship of the family to early care and education and to community resources.
D 21879 Lec TR 10:30-11:45 405 MCCREGOR 08/19-12/20 GR 001
E 20120 Lec Mon 6:30-9:20 559 OZDEMIR 08/19-12/20 GR 071
S 20397 Lec Sat 12:30-3:40 506 CALOCA 08/19-12/20 GR 082
ECD 62-082 will be taught in Spanish. For more information and to register for this class, contact Ana Del Aguila 510-723-7284 or adelaguila@chabotcollege.edu. Esta clase sera dictada en espanol. Para mas informacion y registrarse en esta clase llame a Ana Del Aguila 510-723-7284 o adelaguila@chabotcollege.edu
S 22302 Lec Sat 8:30-12:00 558 OZDEMIR 08/24-10/12 GR 083
Lec Sat 12:30-5:05 558 OZDEMIR 08/24-10/12 GR
Meeting dates: 8/24; 9/7; 9/21; 9/28; 10/5; 10/12.
ECD 63 EARLY CHILDHOOD CURRICULUM 4.0 Units
Professional application of the principles of human growth and development in: the study of play based inclusive curriculum, the physical environment and learning experiences including program content, the use of materials, the facilitation and guidance of all children’s experiences based on developmentally appropriate principles, the methods used to meet all children’s physical, social, emotional, cognitive, and creative needs within cultural context. Prerequisite: Early Childhood Development 56 and Early Childhood Development 56 (both completed with a grade of “C” or higher). Please note: ECD 56 replaced ECD 52.

D 20327 Lec MW 12:00-1:15 3521 SHERRY 08/19-12/20 GR 001
Lab MW 9:00-10:15 3521 GR
Students must bring current verification of TB clearance to first class meeting. Lecture Hours are 12-1:15pm MW. At the first class meeting, students will schedule 3 lab hours between 9:00 am - 12:00 pm on Monday or Wednesday.

E 20541 Lec Tue 6:30-9:20 3521 OZDEMIR 08/19-12/20 GR 071
Lab R 6:30-9:20 3521 GR

ECD 65 ADMINISTRATION 3.0 Units
An overview of administrative principles and practices of Early Care and Education facilities; including program planning, organizational structures, financial management, personnel policies, records; nutrition and food purchasing; relationships with families, community, and regulatory agencies; requirements of State and Federal programs; legal and ethical aspects. Prerequisite: Early Childhood Development 62 and 63 (both completed with a grade of “C” or higher).

E 20407 Lec Wed 6:30-9:20 559 BARTON 08/19-12/20 GR 071

ECD 67 INFANT/TODDLER DEVELOPMENT 3.0 Units
Analysis of infant and toddler development and care, birth through 36 months. Study of current caregiving practices in infant/toddler centers and family day care homes. Examination of best practices, responsive caregiving techniques, environments, infant toddler learning foundations, health, safety, and licensing requirements. Prerequisite: Early Childhood Development 62 and 63 (both completed with a grade of “C” or higher).

E 20542 Lec Mon 6:30-9:20 551 HA 08/19-12/20 GR 071

ECD 69 CHILD STUDY THROUGH OBSERVATION 3.0 Units
Current approaches for observing and recording the behavior of infants and young children using various scientific techniques. Effective observations that build on respecting and fostering all children’s competence, striving for objectivity and individualizing programs to meet individual children’s learning and developmental assessment. Direct observational experience and application of methods is required weekly. Prerequisite: Early Childhood Development 56 (completed with a grade of “C” or higher).

D 21443 Lec MW 9:00-10:15 405 STAFF 08/19-12/20 OP 001

ECD 83 ADULT SUPERVISION 2.0 Units
Methods and principles of mentoring and supervising adults in Early Care and Education settings. Emphasis on the role of experienced classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, families and other staff. Prerequisite: Early Childhood Development 62 and 63 (both completed with a grade of “C” or higher).

E 20478 Lec Mon 6:30-9:25 556 OGMAN 08/19-11/18 OP E71
Dates: Aug 19, 26; Sep 19, 26, 13, 20; Oct 7, 14, 21, 28; Nov 4, 11, 18.

ECD 89 ISSUES IN ECE 1.0 Unit
Series of workshops offered on a variety of topics, which are current and relevant to early childhood professionals.

S 21220 Lec Sat 8:30-12:45 503 SHERRY 11/02-11/09 GR E82
Lec Sat 1:05-5:20 503 GR
Topic: Working With Challenging Children How to keep your sanity in an early childhood classroom when the children are biting, hitting and acting out. Students will develop strategies and classroom management techniques to make everyone’s day run a little smoother.

D 22231 Lec Tue 1:00-4:15 552 KELLEY 08/27-12/03 GR E01
“Activities: what they can teach children and teachers.” “By engaging in the creation and delivery of developmentally appropriate activities, students will experience the range of learnings and skills that children acquire by way of simple, down-to-earth curriculum in the preschool classroom. Focus is on the ability to harness all possible learning opportunities even in the simples daily routines.”

ECD 90 PRACTICUM/SUPERVISE EXPERIENCE 4.0 Units
Direct practicum working with young children. Observation and evaluation of individual children, group activities, and roles of adults in the program. Planning appropriate learning experiences, developing educational plans, planning family conferences, and discussion of on-site experiences. Prerequisite: Early Childhood Development 63 (completed with a grade of “C” or higher).

D 20121 Lec TR 1:00-1:50 3521 SHERRY 08/19-12/20 GR 001
Lab TR 10:00-12:50 3521 GR
Students must bring current verification of TB clearance to first class meeting. At first class meeting students will schedule 3 lab hours between 8:00 am-1:00 pm on Tuesday and Thursday.

D 22114 Lec R 6:30-8:20 3521 Staff - So 08/19-12/20 GR 002
Lab Fri 8:30-12:20 3521 GR
Lab Fri 1:00-3:50 3521 GR

ECD 95 WORK EXPERIENCE 1.0-3.0 Units
College supervised on-the-job training in early childhood programs. Cooperative effort between student, supervising teacher and instructor to accomplish professional work objectives and broadened experiences. Corequisite: Early Childhood Development 95.

O 20355 By Arr 15.0 Hrs/Wk ONLINE RODRIGGS 08/19-12/20 GR ON1
ECD 95-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

ECD 96 WORK EXPERIENCE SEMINAR 1.0 Unit
Discussion and analysis of problems often encountered by employees at the workplace. Application of National Association for the Education of Young Children (NAEYC) Code of Ethical Conduct to difficult situations that occur at the job site. Develop and complete measurable developmentally appropriate goals in early care and education settings. Corequisite: Early Childhood Development 95.

O 20356 By Arr 1.0 Hrs/Wk 505 RODRIGGS 08/19-12/20 GR ON1
ECD 96-ON1 is an online course with one mandatory on-campus meeting on Dec 12; 6:30-9:30 pm, room 505. For important additional information, go to http://www.chabotcollege.edu/online

ECONOMICS

ECON 1 PRINCIPLES OF MICROECONOMICS 3.0 Units
Economic analysis of market systems, price theory, including supply and demand analysis, marginal utility, elasticity, cost and revenue concepts, perfect and imperfect competition, international trade, pricing of the factors of production, poverty and income inequalities. Strongly recommended: English 1A eligibility. Prerequisite: Mathematics 54 or 55 or 55B or 55Y (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the mathematics assessment process.

D 20124 Lec MW 9:00-10:15 552 WILLIAMS 08/19-12/20 OP 001
D 20543 Lec MW 1:30-2:45 552 WILLIAMS 08/19-12/20 OP 002
D 21221 Lec TR 9:00-10:15 502 WILLIAMS 08/19-12/20 OP 003
D 20145 Lec TR 1:30-2:45 502 WILLIAMS 08/19-12/20 OP 004
D 20130 Lec Fri 9:00-11:50 553 WILLIAMS 08/19-12/20 OP 005
E 20129 Lec Wed 7:00-9:50 552 WILLIAMS 08/19-12/20 OP 071

ECON 2 PRINCIPLES OF MACROECONOMICS 3.0 Units
Economic analysis of the theory of income determination, including national income analysis, business cycles, the consumption function, the multiplier, fiscal policy, monetary policy, money and banking, the public debt, economic growth and development, comparative economic systems and international trade. Strongly recommended: English 1A. Prerequisite: Mathematics 54 or 55 or 55B or 55Y (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the mathematics assessment process.

D 21282 Lec TR 12:00-1:15 503 FLORES 08/19-12/20 OP 001
D 22113 Lec Sat 9:00-12:15 504 ROCHANIA 08/19-12/20 OP 002
E 20647 Lec Tue 7:00-9:50 559 WILLIAMS 08/19-12/20 OP 071

Chabot College • Summer/Fall 2013 Class Schedule 47 510.723.6600 • www.chabotcollege.edu
<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 21348</td>
<td>Lab Wed</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>08/20-10/08 GR</td>
<td>EN1</td>
<td></td>
<td></td>
<td>E 21487</td>
<td>Lab Wed</td>
<td>6:00-10:05</td>
<td>1616 CASINI</td>
<td>10/16-12/11 GR</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E 21487</td>
<td>Lab Wed</td>
<td>6:00-10:05</td>
<td>1616 CASINI</td>
<td>10/16-12/11 GR</td>
<td>EN1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 21349</td>
<td>Lab R</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>10/17-12/12 GR</td>
<td>EN2</td>
<td></td>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 50</td>
<td>INTRO-ELECTRONIC SYSTEMS TECH</td>
<td>2.0 Units</td>
<td>Introduction to electronic systems and circuits. Overview of career opportunities and job duties with electronic systems technology. Direct current and alternating current circuits including Ohm’s law and Kirchoff’s laws. Measurement and characterization of electronic systems at the block diagram level. Laboratory practice includes the proper use of standard test instruments.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 21350</td>
<td>Lab Tue</td>
<td>6:00-10:05</td>
<td>1616 PHILLIPS</td>
<td>10/15-12/10 GR</td>
<td>EN1</td>
<td></td>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 51</td>
<td>FABRICATION TECHNIQUES</td>
<td>2.0 Units</td>
<td>Prototype development includes sheet metal, printed circuit board layout and fabrication, connection and soldering techniques, use of hand tools, and machines in electronic fabrication. Use of computer software tools as applied to electronic fabrication.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 22332</td>
<td>Lab Tue</td>
<td>6:00-9:50</td>
<td>1616 PHILLIPS</td>
<td>10/15-12/10 GR</td>
<td>EN1</td>
<td></td>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 54</td>
<td>ANALOG CIRCUITS/SEMICONDUCTOR DVC</td>
<td>2.0 Units</td>
<td>Analog circuits, including amplifiers, oscillators, and filters, using single-chip analog devices, operational amplifiers, field-effect transistors, bipolar transistors.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 21484</td>
<td>Lab R</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>08/22-10/10 GR</td>
<td>EN1</td>
<td></td>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 56A</td>
<td>ELECTRONIC POWER SYSTEMS I</td>
<td>2.0 Units</td>
<td>Switching power supply systems. Alternative energy systems. Advanced power bus management and control systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 21485</td>
<td>Lab R</td>
<td>6:00-10:05</td>
<td>1602 PHILLIPS</td>
<td>10/17-12/12 GR</td>
<td>EN1</td>
<td></td>
<td></td>
<td>Lec By Arr</td>
<td>2.2 Hrs/Wk</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 56B</td>
<td>ELECTRONIC POWER SYSTEMS II</td>
<td>2.0 Units</td>
<td>Power supply transformer, rectifier and filtering circuits. Measurement of line and load regulation, ripple, and efficiency in linear and switching power supply systems. Linear regulation techniques and troubleshooting.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 57A</td>
<td>PROCESS CONTROL SYSTEMS</td>
<td>2.0 Units</td>
<td>Programmable logic control systems; function, interrelationship, and troubleshooting of systems components PLC input/output systems and requirements. Ladder logic programming using basic I/O instructions, logic instructions, timers, counters, and comparison functions.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 57B</td>
<td>PLC AND ROBOTIC SYSTEM COMPONENTS</td>
<td>2.0 Units</td>
<td>Integration of sensors, indicators, controllers and final control elements for Programmable Logic Control and robotic systems. Control loop theory, PID, loop tuning, and control loop troubleshooting. Process control system design and tuning.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 58</td>
<td>WIRELESS COMMUNICATION SYSTEMS</td>
<td>2.0 Units</td>
<td>Introduction to wireless communications concepts and data communications, including modulation techniques, antenna and wave propagation. Digital data communication fundamentals and digital modulation techniques. Fiber optic and laser technology.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 62</td>
<td>HOME TECHNOLOGY SYSTEMS</td>
<td>2.0 Units</td>
<td>Hands-on training in digital home networking and systems integration. Includes many, but not all, objectives of CompTIA certification exam. Home network design and configuration: home network central components and low-voltage wiring; video and audio fundamentals; audio/video installation and setup; wiring standards, testing and certification; troubleshooting.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 63A</td>
<td>IT ESSENTIALS: PC HARD/SOFTWARE I</td>
<td>2.0 Units</td>
<td>First of two courses of the Cisco Networking Academy IT Essentials program. Students will describe the process for upgrading computer hardware, assemble a computer system, upgrade, configure, and optimize an operating system, and troubleshoot computer systems and networks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESYS 63B</td>
<td>IT ESSENTIALS: PC HARD/SOFTWARE II</td>
<td>2.0 Units</td>
<td>Second of two courses of the Cisco Networking Academy IT Essentials program. Students will describe the process for upgrading computer hardware, assemble a computer system, upgrade, configure, and optimize an operating system, and troubleshoot computer systems and networks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ENGR 10  INTRODUCTION TO ENGINEERING  2.0 Units
Introduction to careers, activities, and topics related to the field of engineering, including computer applications design and problem solving. Strongly recommended: Eligibility for English 1A.
D 20222 Lec TR  11:00 11:50  1802 MAYER 08/19-12/20 GR 001

ENGR 11  ENGINEER DESIGN AND ANALYSIS  2.0 Units
An introduction to the engineering design process from a practical and professional perspective. Student teams work on a term-long engineering project that entails the creation of a design for a useful object with moving parts that require the application of some external power source. Conceptual and Critical/ Final design reviews require teams to describe and justify the effectiveness, and likely customer-acceptance, of the design. The student designers: select materials, components, sources of supply; produce a detailed estimate for the production-cost. When needed students use engineering software tools (such as MATLAB) to assess and predict the kinematic, structural, thermal, electrical, fluid-flow, wear/corrosion, and magnetic performance of the proposed design. Students are encouraged to build from the design plans a form-and-fit mock-up, or if possible a fully functioning prototype. Strongly recommended: Engineering 22.
D 22016 Lec Mon  12:00 12:50  3924 MAYER 08/19-12/20 GR 001 Lec Wed 12:00 12:50 3924 GR Lec Wed 1:00 1:50 3924 GR

ENGR 22  ENGINEERING DESIGN GRAPHICS  3.0 Units
D 20800 Lec MW 12:00 12:50  905 SLUTZ BARAN 08/19-12/20 GR 001 Lec MW 1:00 2:15 905 GR

ENGR 25  COMP METHODS ENGINEER/ SCIENCE  3.0 Units
Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB and EXCEL. Technical computing and visualization for mechanics, electrical circuits, biology, thermal systems, fluid systems and other branches of science and engineering. Prerequisite: Mathematics 1. Strongly recommended: Computer Application Systems 8 or Computer Science 8. May not receive credit if Mathematics 25 or Physics 25 has been completed.
D 20802 Lec TR  4:00 5:40  1813 MAYER 08/19-12/20 GR 001 Lec TR  4:00 5:40  1813 MAYER 08/19-12/20 GR 001 Lec TR  4:00 5:40  1813 MAYER 08/19-12/20 GR 001

ENGR 36  ENGINEERING MECHANICS -STATICS  3.0 Units
Force and/or moment systems under equilibrium conditions; vector properties of forces, moments, couples and resultants; rigid body structures; hydrostatics; shear and bending-moments diagrams; friction; centroids; area/mass moments of inertia. Graphical, algebraic and numerical (computer) solutions of engineering mechanics problems. Prerequisite: Physics 4A and Engineering 25 (both completed with a grade of “C” or higher). Strongly recommended: Mathematics 2 (concurrent enrollment encouraged).
D 20801 Lec TR  1:00 2:50  3932 MAYER 08/19-12/20 GR 001 Lec TR  1:00 2:50  3932 MAYER 08/19-12/20 GR 001

ENGR 45  MATERIALS OF ENGINEERING  3.0 Units
Application of principles of chemistry and physics to the properties of engineering materials. The relation of microstructure to mechanical, electrical, thermal and optical properties of metals. Solid material phase equilibria and transformations. The physical, chemical, mechanical and optical properties of ceramics, composites, and polymers. Operation and use of materials characterization instruments and methods. Prerequisite: Chemistry 1A, Engineering 25 and Physics 4A (all completed with a grade of “C” or higher).
D 22485 Lec Mon  8:30 11:20  1612 MAYER 08/19-12/20 GR 001 Lec Wed 9:00 10:50 3924 GR
ENGL 1A CRITICAL READING & COMPOSITION 3.0 Units

Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individuals’ world view and contexts from which these ideas arise. Some research required. Prerequisite: English 101B, 102, or appropriate skill level demonstrated through English assessment process.

ENGL 4 CRITICAL THINK/WRITE LIT 3.0 Units

Prerequisite: English 1A (completed with a grade of “C” or higher).

ENGL 4-OPN is a PACE hybrid course with required on-campus meetings: Monday, 6:30-9:20 pm, room 301; Spring 16; Tuesday, 12:00-2:30 PM, room 505; Spring 16. For more information on the PACE Program, go to http://www.chabotcollege.edu/online.
ENGL 101A READING, REASONING, WRITING I  4.0 Units
Academic reading, critical thinking and writing expected in transfer and associate-degree classes. First semester of a two-semester sequence. Strongly recommended: Participation in the English placement process.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20150</td>
<td>Lec</td>
<td>MW</td>
<td>9:00</td>
<td>10:15</td>
<td>852</td>
<td>MCLEAN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20152</td>
<td>Lec</td>
<td>MW</td>
<td>10:30</td>
<td>11:45</td>
<td>851</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21917</td>
<td>Lec</td>
<td>MW</td>
<td>12:45</td>
<td>1:35</td>
<td>356</td>
<td>TENN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>003</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21066</td>
<td>Lec</td>
<td>MW</td>
<td>1:30</td>
<td>2:45</td>
<td>353</td>
<td>HIGGINS</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>004</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21515</td>
<td>Lec</td>
<td>MW</td>
<td>3:00</td>
<td>4:15</td>
<td>801</td>
<td>MATTHEWS</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>005</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21890</td>
<td>Lec</td>
<td>MW</td>
<td>4:30</td>
<td>5:40</td>
<td>857</td>
<td>LUNDberg</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>006</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21918</td>
<td>Lec</td>
<td>TR</td>
<td>9:30</td>
<td>10:45</td>
<td>807</td>
<td>TENN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>008</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20364</td>
<td>Lec</td>
<td>TR</td>
<td>9:50</td>
<td>10:55</td>
<td>807</td>
<td>TENN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>010</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21286</td>
<td>Lec</td>
<td>TR</td>
<td>7:00</td>
<td>8:15</td>
<td>805</td>
<td>LEWIS</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>072</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENGL 101B READING, REASONING, WRITING II  4.0 Units
Second semester study of academic reading, reasoning, and writing skills. Preparation for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. Prerequisite: Successful completion of English 101A.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20190</td>
<td>Lec</td>
<td>MW</td>
<td>8:00</td>
<td>9:15</td>
<td>801</td>
<td>PLUNKETT</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20848</td>
<td>Lec</td>
<td>MW</td>
<td>9:20</td>
<td>10:30</td>
<td>801</td>
<td>CHAN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20362</td>
<td>Lec</td>
<td>MW</td>
<td>10:20</td>
<td>11:30</td>
<td>801</td>
<td>FLYNN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>003</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22372</td>
<td>Lec</td>
<td>TR</td>
<td>8:10</td>
<td>9:20</td>
<td>353</td>
<td>GRUER</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>004</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20711</td>
<td>Lec</td>
<td>TR</td>
<td>1:00</td>
<td>2:15</td>
<td>807</td>
<td>PLUNKETT</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>005</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20785</td>
<td>Lec</td>
<td>TR</td>
<td>8:00</td>
<td>9:15</td>
<td>805</td>
<td>LANGDON</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>071</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21194</td>
<td>Lec</td>
<td>TR</td>
<td>6:30</td>
<td>7:45</td>
<td>805</td>
<td>SULLIVAN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>072</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENGL 102 READ/REASON/WRITE-ACCELERATED  4.0 Units
Preparation for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. Strongly recommended: Participation in the English placement process.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20418</td>
<td>Lec</td>
<td>MW</td>
<td>8:10</td>
<td>9:25</td>
<td>861</td>
<td>YUMERGAND</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21529</td>
<td>Lec</td>
<td>MW</td>
<td>9:40</td>
<td>10:55</td>
<td>861</td>
<td>HERN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>002</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21098</td>
<td>Lec</td>
<td>MW</td>
<td>11:00</td>
<td>12:10</td>
<td>807</td>
<td>PLUNKETT</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>003</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21148</td>
<td>Lec</td>
<td>MW</td>
<td>11:50</td>
<td>12:40</td>
<td>801</td>
<td>SEGEDY</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>004</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21818</td>
<td>Lec</td>
<td>MW</td>
<td>1:10</td>
<td>2:00</td>
<td>801</td>
<td>SEGEDY</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>005</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20420</td>
<td>Lec</td>
<td>MW</td>
<td>1:20</td>
<td>2:30</td>
<td>801</td>
<td>SEGEDY</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>006</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21746</td>
<td>Lec</td>
<td>MW</td>
<td>1:30</td>
<td>2:45</td>
<td>854</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>007</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21553</td>
<td>Lec</td>
<td>MW</td>
<td>2:50</td>
<td>3:45</td>
<td>854</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>008</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21689</td>
<td>Lec</td>
<td>MW</td>
<td>3:00</td>
<td>4:15</td>
<td>854</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>009</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20389</td>
<td>Lec</td>
<td>MW</td>
<td>4:30</td>
<td>5:40</td>
<td>854</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>010</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21431</td>
<td>Lec</td>
<td>MW</td>
<td>5:30</td>
<td>6:45</td>
<td>854</td>
<td>MAGallon</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>011</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRN</td>
<td>Type Day(s)</td>
<td>Room</td>
<td>Instructor</td>
<td>Dates</td>
<td>Code</td>
<td>Sec</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------</td>
<td>------------</td>
<td>----------------</td>
<td>------</td>
<td>------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20417</td>
<td>Lec TR</td>
<td>8:00</td>
<td>CARTWRIGHT</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>012</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20415</td>
<td>Lec TR</td>
<td>8:00</td>
<td>Staff-Lang</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21690</td>
<td>Lec TR</td>
<td>9:00</td>
<td>ZAPPA</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>014</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21846</td>
<td>Lec TR</td>
<td>7:00</td>
<td>CAIN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21528</td>
<td>Lec TR</td>
<td>7:00</td>
<td>YUNGERMAN</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>016</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21474</td>
<td>Lec TR</td>
<td>7:00</td>
<td>MAGALON</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>017</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20422</td>
<td>Lec TR</td>
<td>5:00</td>
<td>PUCKETT</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21432</td>
<td>Lec TR</td>
<td>7:00</td>
<td>LANGDON</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21419</td>
<td>Lec TR</td>
<td>7:00</td>
<td>JOHNSTON</td>
<td>08/19-12/20</td>
<td>P/N</td>
<td>020</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CIN (Change It Now!) is a year long, accelerated writing and leadership program designed to empower students interested in social change, who would also like to transfer to 4-year colleges and universities. Students enrolled in the program select various community issues to explore such as: education, health care, budget cuts, environmental issues, poverty, violence and any other issues that they feel relevant to their lives. CIN students build strong relationships with each other and develop skills to become leaders in their communities. For more information, see our website at http://www.chabotcollege.edu/CIN.

ENGL 107 INTRO TO ENGLISH GRAMMAR 3.0 Units
Formal instruction in grammar combined with practical application to writing. Strategies for taking apart, examining, and constructing English sentences in order to better express ideas in writing.

ENGL 115 FACULTY-STUDENT TUTORIAL WRAC 0.5-3.0 Units
Preparation in English for success in college or career. Self-paced, individualized instruction in reading comprehension and writing effectiveness.

ENGL 116 LEARNING SKILLS/DIAGNOSTIC CLI 1.0 Unit
determination of eligibility for learning skills services through diagnostic testing. State-mandated tests. Focus on compensatory methods as derived from test results.

ENGL 117 LEARNING SKILLS - READING 4.0 Units
Reading to develop decoding, vocabulary and comprehension skills. Use of specialized techniques developed especially for students with learning disabilities. Includes reading comprehension strategies and vocabulary development, and other compensatory strategies. Designed for students with learning disabilities. Strongly recommended: ENGL 116.

ENGL 118A LEARNING SKILLS: READ/WRITE 3.0 Units
Strategies to develop college writing skills with an emphasis on developing reading comprehension strategies, summarizing and writing responses to readings. Includes compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118A.

ENGL 118B LEARNING SKILLS: READ/WRITE 3.0 Units
Elements of the writing process including prewriting, organizing, writing, and revising, and review of basic grammar. Includes reading comprehension strategies and review of compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118B.

ENGL 120 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102-DA1 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 102-DA2 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 107 INTRO TO ENGLISH GRAMMAR 3.0 Units
Formal instruction in grammar combined with practical application to writing. Strategies for taking apart, examining, and constructing English sentences in order to better express ideas in writing.

ENGL 115 FACULTY-STUDENT TUTORIAL WRAC 0.5-3.0 Units
Preparation in English for success in college or career. Self-paced, individualized instruction in reading comprehension and writing effectiveness.

ENGL 116 LEARNING SKILLS/DIAGNOSTIC CLI 1.0 Unit
Determination of eligibility for learning skills services through diagnostic testing. State-mandated tests. Focus on compensatory methods as derived from test results.

ENGL 117 LEARNING SKILLS - READING 4.0 Units
Reading to develop decoding, vocabulary and comprehension skills. Use of specialized techniques developed especially for students with learning disabilities. Includes reading comprehension strategies and vocabulary development, and other compensatory strategies. Designed for students with learning disabilities. Strongly recommended: ENGL 116.

ENGL 118A LEARNING SKILLS: READ/WRITE 3.0 Units
Strategies to develop college writing skills with an emphasis on developing reading comprehension strategies, summarizing and writing responses to readings. Includes compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118A.

ENGL 118B LEARNING SKILLS: READ/WRITE 3.0 Units
Elements of the writing process including prewriting, organizing, writing, and revising, and review of basic grammar. Includes reading comprehension strategies and review of compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118B.

ENGL 120 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102-DA1 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 102-DA2 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 107 INTRO TO ENGLISH GRAMMAR 3.0 Units
Formal instruction in grammar combined with practical application to writing. Strategies for taking apart, examining, and constructing English sentences in order to better express ideas in writing.

ENGL 115 FACULTY-STUDENT TUTORIAL WRAC 0.5-3.0 Units
Preparation in English for success in college or career. Self-paced, individualized instruction in reading comprehension and writing effectiveness.

ENGL 116 LEARNING SKILLS/DIAGNOSTIC CLI 1.0 Unit
Determination of eligibility for learning skills services through diagnostic testing. State-mandated tests. Focus on compensatory methods as derived from test results.

ENGL 117 LEARNING SKILLS - READING 4.0 Units
Reading to develop decoding, vocabulary and comprehension skills. Use of specialized techniques developed especially for students with learning disabilities. Includes reading comprehension strategies and vocabulary development, and other compensatory strategies. Designed for students with learning disabilities. Strongly recommended: ENGL 116.

ENGL 118A LEARNING SKILLS: READ/WRITE 3.0 Units
Strategies to develop college writing skills with an emphasis on developing reading comprehension strategies, summarizing and writing responses to readings. Includes compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118A.

ENGL 118B LEARNING SKILLS: READ/WRITE 3.0 Units
Elements of the writing process including prewriting, organizing, writing, and revising, and review of basic grammar. Includes reading comprehension strategies and review of compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118B.

ENGL 120 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102 READ/REASON/ WRITE-ACCELERATED (CONTINUED)

ENGL 102-DA1 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 102-DA2 is part of the DARAA Project. As a condition of enrollment, students will be required to sign an agreement to conform to program requirements. Students will be required to participate in all course and program activities. For more information, call 510-723-6747. http://www.chabotcollege.edu/daraa/

ENGL 107 INTRO TO ENGLISH GRAMMAR 3.0 Units
Formal instruction in grammar combined with practical application to writing. Strategies for taking apart, examining, and constructing English sentences in order to better express ideas in writing.

ENGL 115 FACULTY-STUDENT TUTORIAL WRAC 0.5-3.0 Units
Preparation in English for success in college or career. Self-paced, individualized instruction in reading comprehension and writing effectiveness.

ENGL 116 LEARNING SKILLS/DIAGNOSTIC CLI 1.0 Unit
Determination of eligibility for learning skills services through diagnostic testing. State-mandated tests. Focus on compensatory methods as derived from test results.

ENGL 117 LEARNING SKILLS - READING 4.0 Units
Reading to develop decoding, vocabulary and comprehension skills. Use of specialized techniques developed especially for students with learning disabilities. Includes reading comprehension strategies and vocabulary development, and other compensatory strategies. Designed for students with learning disabilities. Strongly recommended: ENGL 116.

ENGL 118A LEARNING SKILLS: READ/WRITE 3.0 Units
Strategies to develop college writing skills with an emphasis on developing reading comprehension strategies, summarizing and writing responses to readings. Includes compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118A.

ENGL 118B LEARNING SKILLS: READ/WRITE 3.0 Units
Elements of the writing process including prewriting, organizing, writing, and revising, and review of basic grammar. Includes reading comprehension strategies and review of compensatory strategies. Designed for students with learning disabilities to improve reading and writing skills. Strongly recommended: ENGL 118B.
ENGL 119 LEARNING SKILLS - PROB SOLVING 3.0 Units
D 20279 Lec MW 9:00 10:15 303 EGUSA 08/19-12/20 P/N 001
D 20196 Lec TR 10:30 11:45 303 EGUSA 08/19-12/20 P/N 002
E 21073 Lec Mon 5:30 8:20 303 EGUSA 08/19-12/20 P/N 071

ENGL 120 LEARNING SKILLS-STUDY STRATEGY 2.0 Units
Guided practice in specific compensatory and study strategies for those with learning disabilities. Designed for Learning Skills students actively enrolled in an academic course. Focus on utilizing skills and strategies in conjunction with academic course materials. Designed for students with identified learning disabilities. Strongly recommended: ENGL 116.
D 20301 Lec MW 12:00 12:50 303 MUNGER 08/19-12/20 P/N 001

ENGL 121 LEARNING SKILLS: STRATEGIES 2.0 Units
D 20369 Lec MW 10:30 11:20 303 EGUSA 08/19-12/20 P/N 001

ENGLISH AS A SECOND LANGUAGE

ESL 108 BASIC SPELLING FOR ESL 1.0 Unit
Basic sound/spelling patterns of English. Develops an understanding of the sounds and symbols of English, including open/closed syllables, short and long vowel sounds, consonant cluster sounds, spelling of homophones and other problem words in everyday English. Includes basic dictionary use.
D 22319 Lec Fri 9:00 10:10 859 APIGO 09/06-11/22 P/N E01

ESL 110A REVIEW BASIC ENGLISH-ESL 6.0 Units
A comprehensive review of the structure of the simple English sentence, short writing assignments, reading fiction and non-fiction. Reinforces fluency in reading and writing.
D 20171 Lec MW 8:30 10:20 851 IKEDA 08/19-12/20 P/N 001
D 20172 Lec MW 10:30 12:20 861 CONNOLLY 08/19-12/20 P/N 002
D 21287 Lec TR 9:00 11:50 851 WAHAMAKI 08/19-12/20 P/N 003
E 20173 Lec MW 6:30 9:20 801 SOLE 08/19-12/20 P/N 071

ESL 110B INTERMEDIATE READING & WRITING 6.0 Units
Logical paragraph development, reading both fiction and nonfiction; emphasis on the development of vocabulary and grammatical structures of written English. Prerequisite: A grade of pass in ESL 110A (or eligibility for ESL 110B demonstrated through ESL Placement Process).
D 20167 Lec MW 8:30 10:20 557 MEJBA 08/19-12/20 P/N 001
D 20901 Lec TR 1:00 3:50 857 HOBBYS 08/19-12/20 P/N 002
E 20199 Lec TR 6:30 9:20 851 ADDES 08/19-12/20 P/N 071

ESL 110C HIGH INTERMEDIATE READ/WRITING 6.0 Units
Expository paragraphs and short essays, fiction and non-fiction reading; emphasis on the development of vocabulary and grammatical structures of written English. Prerequisite: A grade of pass in ESL 110B (or eligibility for ESL 110C demonstrated through the ESL Placement Process).
D 20169 Lec TR 9:00 11:50 851 HUFGARD 08/19-12/20 P/N 001
D 20421 Lec TR 1:00 3:50 857 UCHIYAMA 08/19-12/20 P/N 002
E 20275 Lec MW 6:30 9:20 801 UCHIYAMA 08/19-12/20 P/N 071

ESL 110D ADVANCED READING & WRITING 6.0 Units
Expository essays, critical reading; emphasis on advanced development of vocabulary and grammatical structures of written English. Prerequisite: A grade of pass in ESL 110C (or eligibility for ESL 110D demonstrated through the ESL Placement Process).
D 20170 Lec TR 9:00 11:50 853 HINTZ 08/19-12/20 P/N 001
D 22318 Lec MW 1:00 3:50 851 HOBBYS 08/19-12/20 P/N 002
E 20284 Lec MW 6:30 9:20 852 WAHAMAKI 08/19-12/20 P/N 071

ESL 111A PRONUNCIATION 2.0 Units
Oral English with emphasis on strategies for clear pronunciation.
D 21775 Lec Wed 1:30 2:20 359 BEL 08/19-12/20 P/N 001
Lab MW 12:05 1:20 359 P/N

ESL 111B ACADEMIC LISTENING & SPEAKING 2.0 Units
Group and individual practice producing and responding to oral English in the academic environment.
E 21304 Lec Mon 7:50 8:40 861 RAMOS 08/19-12/20 P/N 071
Lab MW 6:30 7:45 861 P/N

ESL 112 ENGLISH GRAMMAR-REVIEW FOR ESL 3.0 Units
Intermediate-level review of the structures of English grammar. Important grammatical forms including verb tenses, the passive voice, conditional sentences, modal auxiliaries, and reported speech; adjective clauses, articles, and gerunds and infinitives may also be included as time allows. Strongly recommended: Eligibility for ESL 110C.
D 20772 Lec TR 1:00 2:15 859 HINTZ 08/19-12/20 P/N 001

ESL 127 ESPRONUNCIATION LAB 0.5 Unit
Individual practice producing and responding to oral English with emphasis on clear pronunciation through computer assisted instruction with tutorial support.
D 22547 Lab By Arr 1.5 Hrs/Wk 2351 ADES 08/19-12/20 P/N 001
Go to the Language Center, Building 2300, Room 2351 (during the first week of classes) to obtain the syllabus and schedule your orientation.

ESL 128 FACULTY-STEM TUTORIAL - ESL 0.5-1.0 Unit
Self-paced, individualized instruction in academic English oral and written communication skills for students who speak English as a second language. Focus on writing, reading, listening, and speaking skills needed in college courses.
D 20880 Lab By Arr 3.0 Hrs/Wk 2351 WAHAMAKI 08/19-12/20 P/N 001
NOTE: Go to the Language Center, Building 2300, Room 2351 to obtain the syllabus and schedule your first appointment. For more information, e-mail Linnea Wahamaki at lwahamaki@chabotcollege.edu or call Hisako Hintz at (510) 723-7420.
D 22052 Lab By Arr 3.0 Hrs/Wk 2351 HINTZ 08/19-12/20 P/N EX1
This section of ESL 128 is for project Excel participants. If you are an Excel participant and want to register for this course, contact an Excel counselor in Building 700, Room 767 D/E, or email lwahamaki@chabotcollege.edu or call Hisako Hintz at (510) 723-7428.

ESL 149I INTRO REVIEW OF BASIC ENGLISH 3.0 Units
A comprehensive review of the structure of the simple English sentence; short writing assignments; reading fiction and non-fiction; reinforce fluency in reading and writing.
E 22054 Lec R 6:30 9:20 853 SO 08/19-12/20 P/N 071
ESL 149I is a class for Early Childhood Development (ECD) students enrolled in the Spanish Cohort Program. For more information and to register for this class please contact Ana Del Aguila 510-723-7284 or adelaguila@chabotcollege.edu ESL 149I is one of the classes for students who speak English as a second language. Focus on writing, reading, English with emphasis on clear pronunciation through computer assisted instruction with tutorial support.

ESL 149O WRITING WKSHOP NON-NATIVE SPKR 0.5 Unit
Individualized and group instruction in writing with emphasis on pre-writing, organization, and correctness. Student develops and reinforces academic writing skills through conferencing with instructor, group workshops, completing online exercises, completing and revising writing assignments, and working with instructor and tutors on individual writing needs. Strongly recommended: Eligibility for ESL 110B.
D 22373 Lab Fri 10:30 12:30 307 UCHIYAMA 09/06-11/22 P/N E01
D 22310 Lab Fri 10:30 12:30 307 HOBBYS 09/06-11/22 P/N E01
This section of ESL 149O is a part of the project Excel participants. If you want to register for this course, contact an Excel counselor in Building 700, Room 767 D/E, or email lwahamaki@chabotcollege.edu or call Hisako Hintz at (510) 723-7428.
E 22374 Lab Mon 6:30 8:35 307 HOBBYS 09/09-11/25 P/N E71
<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>CRN</th>
<th>Type(s)/s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>22102</td>
<td>Lec TR</td>
<td>STRF 1667</td>
<td>12:00 1:15</td>
<td>1609</td>
<td>Staff-Ap</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>21664 Lec</td>
<td>Tue</td>
<td>6:30 8:55</td>
<td>405 COLON</td>
<td>08/19-12/20</td>
<td>OP ON1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>By Arr</td>
<td>1.2 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OP</td>
<td>ENTR 1-ON1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENTR 1 INTRO TO ENTREPRENEURSHIP 3.0 Units**

Introduction to the key concepts and skill requirements for new business creation. Evaluation of personal entrepreneurship skills. Emphasis on identifying business opportunities, securing funding, and planning for new venture start-up.

**ENTR 20 MARKETING FOR ENTREPRENEURS 2.0 Units**

Marketing strategy and techniques for start-up and small businesses. Focus on low-cost, flexible, innovative marketing tools.

**ES 1 INTRO TO ETHNIC STUDIES 3.0 Units**

An introduction to the historical and socio-cultural experiences of racial and ethnic groups in the United States. Focus will be on key issues such as immigration, political stratification, employment discrimination, Americanization, class, racial and ethnic identity, and gender roles that have shaped relations in American society. Study is inter-and multidisciplinary. A comparative approach covering African American, Mexican American, Asian American, Native American and Middle Eastern American.

**FT 50 FIRE PROTECTION ORGANIZATION 3.0 Units**

Introduction to fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection, fire loss analysis, organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire services; fire nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. Strongly recommended: Eligibility for English 1A.

**FT 51 FIRE SERVICES OPERATIONS 3.0 Units**

Fire department organization, management, and resources; fire company organization; resources to control various emergencies; multi-agency coordinating systems; support and regulatory agencies; strategy and tactics applied to structural fire fighting, wildland fire fighting, and hazardous material emergencies; and safety conditions.

**FT 52 FIREFIGHTER SAFETY & SURVIVAL 3.0 Units**

Basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services; assessing fire dangers and handling common fire situations; risk assessment and personalized preparation for unforeseen fire emergencies; roles and responsibilities in educating the public on fire safety; development of a survival attitude using problem-solving techniques for increased situational awareness and self-relief in an emergency.

**FT 53 FIRE BEHAVIOR AND COMBUSTION 3.0 Units**

Theory and fundamentals of why fires start, spread, and are controlled. An in depth study of fire chemistry and physics fire characteristics of materials, extinguishing agents, and control techniques.

**FT 54 FIRE PREVENTION TECHNOLOGY 3.0 Units**

Fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation and fire safety education. Provides skills necessary for California Fire Service Training and Education System, Certified Firefighter I and Fire Inspector I.

**FT 56 BUILDING CONSTRUCT/FIRE PROTECT 3.0 Units**

Components of building construction that relate to firefighter and life safety. Elements of construction and design of structures as key factors when inspecting buildings, preplanning fire operations, and operating at fire/ collapse emergencies. The development and evolution of building and fire codes in relationship to past fire/ collapses in residential, commercial, and industrial occupancies.

**FT 89 FIREFIGHTER 1-ACADEMY INTRO 0.5 Unit**

Orientation and evaluation of the necessary knowledge, skills and abilities to succeed in the Firefighter I Academy (Fire Tech 90A, 90B and 90C). Physical fitness and hand-eye coordination skills evaluation. Prerequisites: Fire Technology 50, 51, 52; Physical Education 2FSC or equivalent firefighter physical conditioning training; Health 81 (or proof of enrollment in an EMT program at another institution - All courses completed with a grade of “C” or higher). Strongly recommended: Math 65 or 65A and eligibility for English 1A.

**FT 100 NUCLEAR FIRE PROTECTION 3.0 Units**

Introduction to the history and philosophy of fire protection and regulatory issues in nuclear facilities. Focus on nuclear safety systems, nuclear emergency response organization and tactics, and the roles and responsibilities of nuclear emergency response organizations in support of the federal emergency response organization.

**FT 101 FIRE PROTECTION TECHNOLOGY 3.0 Units**

Introduction to fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection, fire loss analysis, organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire services; fire nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. Strongly recommended: Eligibility for English 1A.

**FT 89 FIREFIGHTER 1-ACADEMY INTRO 0.5 Unit**

Orientation and evaluation of the necessary knowledge, skills and abilities to succeed in the Firefighter I Academy (Fire Tech 90A, 90B and 90C). Physical fitness and hand-eye coordination skills evaluation. Prerequisites: Fire Technology 50, 51, 52; Physical Education 2FSC or equivalent firefighter physical conditioning training; Health 81 (or proof of enrollment in an EMT program at another institution - All courses completed with a grade of “C” or higher). Strongly recommended: Math 65 or 65A and eligibility for English 1A.

**FT 100 NUCLEAR FIRE PROTECTION 3.0 Units**

Introduction to the history and philosophy of fire protection and regulatory issues in nuclear facilities. Focus on nuclear safety systems, nuclear emergency response organization and tactics, and the roles and responsibilities of nuclear emergency response organizations in support of the federal emergency response organization.
## FT 91A  
**FIREFIGHTER I CERT PREP I**  
2.0 Units  

Development of individual skills and basic knowledge necessary to perform the functions of a firefighter. Practice in donning breathing apparatus, knot tying, placing ladders, pulling hose, making water supply connections and using the incident command system. Students will be required to pass a physical examination by a licensed medical professional and provide the Fire Academy Physical Verification forms and proof of current completion of an Emergency Medical Technician program by the first class meeting.  

**Prerequisites:** Fire Technology 50, 51, 52 and 89; Physical Education 2FSC or equivalent firefighter physical conditioning training. (All courses completed with a grade of “C” or higher; Fire Technology 89 completed with P before student may register for 90A).  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20662</td>
<td>Lec Sat</td>
<td>8:30-11:45</td>
<td>TBA</td>
<td>BUELL</td>
<td>08/20-09/14</td>
<td>GR</td>
<td>E71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20663</td>
<td>Lec Sat</td>
<td>12:35-2:50</td>
<td>TBA</td>
<td>BUELL</td>
<td>09/17-10/12</td>
<td>GR</td>
<td>E71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20664</td>
<td>Lec Sat</td>
<td>3:00-4:50</td>
<td>TBA</td>
<td>BUELL</td>
<td>09/17-10/12</td>
<td>GR</td>
<td>E71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20666</td>
<td>Lab TR</td>
<td>5:00-8:50</td>
<td>TBA</td>
<td>BUELL</td>
<td>09/17-10/12</td>
<td>GR</td>
<td>E71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FT 90A,** Section E71 is an off-campus class that meets at the Alameda County Fire Department, 890 Lola, San Leandro. Class meets Tuesdays, Thursdays & Saturdays from 8/20 thru 9/14.

## FT 91B  
**HAZARD MAT FIRST RESP-OPER LEV**  
1.5 Units  

Hazard recognition and identification; incident response safety procedures; response to hazardous materials emergencies, emphasis on skills and knowledge necessary to protect lives, property, and the environment. Defensive tactics to contain the release from a safe distance and keep it from spreading, and to prevent exposure without哟 preventing to stop the release. Meets and exceeds the requirements of CFR 29 1910.120 and CCR Title 8. Course complies with the State Board of Fire Services requirements for Firefighter I Certification (1999).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20704</td>
<td>Lec US</td>
<td>8:00-12:15</td>
<td>1506</td>
<td>MC PARTLAND</td>
<td>11/19-11/24</td>
<td>GR</td>
</tr>
<tr>
<td>20705</td>
<td>Lec US</td>
<td>8:00-12:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20706</td>
<td>Lec US</td>
<td>8:00-12:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20707</td>
<td>Lec US</td>
<td>8:00-12:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
</tbody>
</table>

Class meets Tuesday, Thursday, Saturday & Sunday from 11/19 thru 11/24.

## FT 91C  
**I-200: BASIC ICS (INC COM SYS)**  
1.5 Units  

Focuses on modules 2 through 6 and meets the training needs of wildland fire personnel by introducing principles associated with the Incident Command System (ICS). Topics include: Organization, facilities, resource terminology, and the common responsibilities associated with incident or even assignments. Course complies with the State Board of Fire Services requirements for Firefighter I Certification (1999).

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20708</td>
<td>Lec R</td>
<td>5:00-9:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20709</td>
<td>Lec R</td>
<td>5:00-9:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20710</td>
<td>Lec R</td>
<td>5:00-9:15</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
</tbody>
</table>

Class meets Tuesday, Thursday, Saturday & Sunday from 11/12 thru 11/17.

## FT 91D  
**FIREFIGHTER SURVIVAL**  
0.5 Unit  

Orientation to causes of firefighter injuries and fatalities and how to avoid committing fatal errors on the fireground using problem-solving techniques for developing self-reliance in an emergency. Physical techniques emphasized for performing critical individual and team rescue skills to access, extricate and remove trapped or downed firefighters.  

**Prerequisite:** current enrollment in, or successful completion of either Fire Technology 90C (completed with a grade of “C” or higher) or a California Accredited Fire Fighter 1 Academy.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21844</td>
<td>Lec Tue</td>
<td>5:00-8:50</td>
<td>081</td>
<td>BUELL</td>
<td>11/03-11/09</td>
<td>P/N</td>
</tr>
<tr>
<td>20711</td>
<td>Lab R</td>
<td>5:00-8:50</td>
<td>081</td>
<td>08/21-08/28</td>
<td>P/N</td>
<td>071</td>
</tr>
<tr>
<td>20712</td>
<td>Lab Sun</td>
<td>5:00-8:50</td>
<td>081</td>
<td>08/21-08/28</td>
<td>P/N</td>
<td>071</td>
</tr>
</tbody>
</table>

Class meets Tuesday, Thursday, Saturday & Sunday from 11/12 thru 11/19.

## FT 95  
**WORK EXPERIENCE/FT**  
1.0-3.0 Units  

College supervised on-the-job training while working in a fire service related occupation.  

**Prerequisite:** Student Firefighters will need to provide proof of current EMT-Basic or Paramedic license, as well as current CPR certification and medical vaccinations before riding along with host fire agencies.  

**Student Firefighter Prerequisite:** Completion of an Accredited California Firefighter 1 Academy.  

**Student Fire Inspector Prerequisite:** Completion of Certificate of Achievement Program for Fire Prevention Inspector.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20665</td>
<td>By Arr</td>
<td>15.0 Hrs/Wk</td>
<td>1556</td>
<td>BUILL</td>
<td>08/19-12/20</td>
<td>GR</td>
</tr>
</tbody>
</table>

## FT 96  
**WORK EXPERIENCE SEMINAR/FT**  
1.0 Unit  

Focal point for the coordination of the curriculum with college-supervised part-time or full-time employment or volunteer work in the fire service field. Case studies, job-related problems, student cases and presentations, and material related to employment, organization, and management; emphasis on building strong working relationships with supervisors, subordinates, and coworkers.  

**Student Firefighters will need to provide proof of current EMT-Basic or Paramedic license, as well as current CPR certification and medical vaccinations before riding along with host fire agencies.**  

**Student Firefighter Prerequisite:** Completion of an Accredited California Firefighter 1 Academy.  

**Student Fire Inspector Prerequisite:** Completion of Certificate of Achievement program for Fire Prevention Inspector.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20666</td>
<td>Lec Wed</td>
<td>6:00-9:50</td>
<td>1506</td>
<td>BUILL</td>
<td>08/21-08/28</td>
<td>GR</td>
</tr>
<tr>
<td>20667</td>
<td>Lec Wed</td>
<td>6:00-9:50</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
<tr>
<td>20668</td>
<td>Lec Wed</td>
<td>6:00-9:50</td>
<td>1506</td>
<td>08/21-08/28</td>
<td>GR</td>
<td>071</td>
</tr>
</tbody>
</table>

Class meets 08/21, 08/28 10/30, 12/04 and 12/18.

## FT 91A  
**CAL FIRE WILDLAND BASIC TRG**  
3.0 Units  

Provides a basic wildland firefighter course oriented toward entry-level employment opportunities within agencies responsible for Wildland Fire Mitigation and Interface I-Zone Protection, with emphasis on the equipment utilized on California Department of Forestry and Fire Protection (CAL FIRE) engines. The course is structured with a maximum emphasis on demonstration, student participation and performance examinations. Fundamentals of wildland fire control and techniques of controlling other emergency incidents are covered with a strong safety perspective. A live fire exercise is provided for application of fire control and suppression techniques. Provides S130 and S190 equivalency under National Wildfire Coordinating Group (NWCG), IS-700.a under the Emergency Management Institute, and CAL FIRE Wildland Firefighter Basic certification requirements. Course complies with the State Board of Fire Services Wildland Fire Fighting requirements for Firefighter I Certification.  

**Prerequisite:** current enrollment in, or successful completion of either Fire Technology 90C (completed with a grade of “C” or higher) or a California Accredited Fire Fighter 1 Academy.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)/Day(s)/Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20698</td>
<td>Lec TR</td>
<td>5:00-9:50</td>
<td>1506</td>
<td>URNES</td>
<td>12/03-12/22</td>
<td>GR</td>
</tr>
<tr>
<td>20699</td>
<td>Lec Sat</td>
<td>8:00-12:50</td>
<td>1506</td>
<td>12/03-12/22</td>
<td>GR</td>
<td>E71</td>
</tr>
<tr>
<td>20700</td>
<td>Lab Sat</td>
<td>2:00-4:50</td>
<td>1506</td>
<td>12/03-12/22</td>
<td>GR</td>
<td>E71</td>
</tr>
<tr>
<td>20701</td>
<td>Lab Sun</td>
<td>2:00-4:50</td>
<td>1506</td>
<td>12/03-12/22</td>
<td>GR</td>
<td>E71</td>
</tr>
</tbody>
</table>

Class meets Tuesdays, Thursdays, Saturdays & Sundays from 12/03 thru 12/22.
FRENCH

FRNC 1A BEGINNING FRENCH 5.0 Units
Introduction to the French-speaking cultures of the world featuring the study and practice of the four language skills (listening, speaking, reading, and writing) of French. Strongly recommended: Eligibility for English 1A.

D 21361 Lec MW 9:30 11:45 859 Staff-Lang 08/19-12/20 OP 001
Lab Wed 11:50 12:40 352

D 22365 Lec TR 1:00 3:15 2258 Staff-Lang 08/19-12/20 OP 002
Lab Tue 3:20 4:30 352

O 21365 By Arr 6.0 Hrs/Wk ONLINE BARNEZET PA 08/19-12/20 OP ON1

FRNC 1A-ON1 is an online course with no on-campus meetings. Students must have an email account and Internet access to login to Blackboard by the first day of class, Monday, August 20, to read the announcements and see course assignments.

To begin, go to http://www.chabotcollege.edu/online Contact the instructor for more information at mailto:cparrish@chabotcollege.edu

FRNC 1B ELEMENTARY FRENCH 5.0 Units
Further study of French-speaking cultures of the world featuring the acquisition of the four language skills (listening, speaking, reading, and writing) of French begun in French 1A. Prerequisite: French 1A (completed with a grade of “C” or higher).

O 21362 By Arr 6.0 Hrs/Wk ONLINE BARNEZET PA 08/19-12/20 OP ON1
FRNC 1B-ON1 is a hybrid course with lectures conducted on-campus and one hour lab over the Internet. The class will meet Mondays and Wednesdays from 12:00-2:15 p.m. The first class meeting will include orientation for the online portion of the course. Students must have an email account and Internet access before the first meeting. To begin, go to http://www.chabotcollege.edu/online and click the course website. For more information, contact cparrish@chabotcollege.edu

FRNC 2A INTERMEDIATE FRENCH 4.0 Units
Review of grammar, reading of works of modern authors; practice in conversation composition. Prerequisite: French 1B (completed with a grade of “C” or higher).

D 21363 Lec MW 10:20 12:10 859 Staff-Lang 08/19-12/20 OP 001
Lab Tue 9:20 10:10 352

FRNC 2B ADVANCED FRENCH 4.0 Units
Reading of Francophone authors; advanced review of grammar; emphasis on speaking and composition. Prerequisite: French 2A (completed with a grade of “C” or higher).

D 21364 Lec TR 10:20 12:10 859 Staff-Lang 08/19-12/20 OP 001
Lab Tue 9:20 10:10 352

GENERAL STUDIES

GNST 115 FACULTY-STUDENT TUTORIAL/WRAC 0.5-3.0 Units
Preparation in English for success in college or career. Self-paced, individualized instruction in reading and writing effectiveness.

D 21433 Lab Mon 12:00 12:50 100A WOLFORD 08/19-12/20 P/N 001
Lab TR 3:00 3:50 100A

D 21840 Lab Wed 11:45 2:35 100A NIIJAR 08/19-12/20 P/N 002

All sections of GNST 115 are closed to online registration. To register for GNST 115, go to the WRAC Center located on the library mezzanine (Building 100) during the first through eighth week of the semester. WRAC Center is open Mon.-Thurs. 9-4 p.m. Please Note: You are not required to attend each day/time for the section in which you choose to enroll. You only need to be available for 20 minutes of the 3 hours listed to meet with your instructor. Questions? Email Homeira Foth at hfoth@chabotcollege.edu or call (510) 723-6920.

FALL 2013
HEALTH

HLTH 1 INTRODUCTION TO HEALTH
Physiological, psychological, and social perspectives of health. Emphasis on
knowledge, attitudes and behaviors that will contribute to a healthy individual.
D 20041 Lec MW 9:00-10:15 1908 Staff - P 08/19-12/20 OP 001
D 20330 Lec MW 10:30-11:45 1908 CIERA-PEREZ 08/19-12/20 OP 002
D 20930 Lec MW 12:00-1:15 1908 Staff - P 08/19-12/20 OP 003
D 20444 Lec TR 9:00-10:15 1908 MILLER 08/19-12/20 OP 004
D 20455 Lec TR 10:30-11:45 1908 GRACE 08/19-12/20 OP 005
D 22101 Lec TR 12:00-1:15 1908 CALCAGNO 08/19-12/20 OP 006
E 20464 Lec Wed 6:00-8:50 1908 GRILLO 08/19-12/20 OP 071
E 20371 Lec Thu 7:00-9:50 856 ORVISS 08/19-12/20 OP 0P1
This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not
will open up to all students on Aug 5th. For information on the PACE Program, go to
http://www.chabotcollege.edu/PACE
O 20928 By Arr 3.0 Hrs/Wk ONLINE GRACE 08/19-12/20 OP ON1
O 20929 By Arr 3.0 Hrs/Wk ONLINE LOFT 08/19-12/20 OP ON2
HLTH 1-ON1 & ON2 are online courses, with no required on-campus meetings. For important
additional information, go to http://www.chabotcollege.edu/online/
O 21888 Lec Mon 1:30-2:45 804 MOFIDI 08/19-12/20 OP ON3
By Arr 2.0 Hrs/Wk ONLINE OP
HLTH 1-ON3 is a hybrid class. Class will meet every other Monday at 1:30; room 804.
For important additional information, go to http://www.chabotcollege.edu/online

HLTH 4 WOMEN AND HEALTH
Health issues that affect women in contemporary American society. Exploration of
current health concerns, legislation, medical practices, attitudes and behaviors
that promote health and wellness.
D 20302 Lec MW 12:00-1:15 2252 Staff - P 08/19-12/20 OP 001
This section is part of the Women's Studies Program.
O 21912 Lec Wed 6:30-9:50 554 ORVISS 08/19-12/20 OP OPN
By Arr 2.0 Hrs/Wk ONLINE OP
HLTH 4-OPN is a hybrid PACE Course with required on-campus meeting: Wednesday,
6:30-9:50, Room 554; Aug 21; Oct 23; Dec 4. Enrollment is restricted to PACE Students.
For more information on the PACE Program, go to http://www.chabotcollege.edu/PACE/

HLTH 8 HUMAN SEXUALITY
Physiological and psychosocial aspects of sexual health in our contemporary society.
Interrelationship of attitude and behavior as it relates to sexual well-being
and sexual integrity. May not be taken for credit if Psychology 8 or Sociology 8
have been completed.
O 21889 By Arr 3.0 Hrs/Wk ONLINE Staff - P 08/19-12/20 OP ON1
HLTH 8-ON1 is an online course with no required on-campus meetings. For important
additional information, go to http://www.chabotcollege.edu/online

HLTH 51A BASIC MEDICAL TERMINOLOGY
Terminology used typically by the medical profession; explanation of the
history of terminology, prefixes, suffixes, and root words; emphasis on spelling,
definitions, pronunciation, and an understanding of their meanings; includes
medical abbreviations, anatomical, disease, diagnostic, medical, surgical, and
additional terms as they relate to each body system.
D 20042 Lec MW 1:30-3:20 2252 VALLEY 08/19-12/20 OP 001
E 20043 Lec MW 6:30-8:20 2252 PINIO 08/19-12/20 OP 071

Additional Terms as they relate to each body system.

HLTH 60 RESPONDING TO EMERGENCIES
Development of knowledge and skills for recognizing and caring for emergency situations.
Include healthy and prevention of illness and injury. Designed to meet
the needs of individuals in the community who frequently First Aid.
Successful completion of the knowledge and skills tests qualifies for a National
Safety Council First Aid and Adult CPR card.
Students are required to purchase a CPR manikin face mask and pocket mask on
the first day of class in order to participate. These items are available in the Chabot
College bookstore.
E 20997 Lec Wed 6:00-7:50 3102 HART 08/21-10/16 OP 071
Lab Wed 8:00-9:50 3102 OP

HLTH 61 FIRST RESPONDER
Development of knowledge and skills necessary for recognizing and caring for emergency situations, including cardiopulmonary resuscitation, prevention of
disease transmission and automated external defibrillation. Designed for First
Responders in an emergency. Successful completion of the knowledge and skills
test qualifies for an American Heart Association-Healthcare Provider CPR course card
and Emergency Response card from the National Safety Council.
Students are required to purchase a CPR manikin face mask and pocket mask on
the first day of class in order to participate. These items are available in the Chabot
College bookstore.
D 20908 Lec Tue 2:00-3:50 3115 FERNANDEZ 08/19-12/20 OP 001
Lab Tue 4:00-5:50 3115 OP
E 20280 Lec Wed 6:00-7:50 3115 FERNANDEZ 08/19-12/20 OP 071
Lab Wed 8:00-9:50 3115 OP

HLTH 81 EMERG MED TECH - AMBULANCE
Provides training in the foundation skills and knowledge required of the EMT-
1 scope of practice. The EMT-1 certification is the minimum requirement for
ambulance attendants and most entry level firefighter positions. EMT certification
is also required for entry into paramedic training. This training program is
accredited by the Alameda County Emergency Medical Services District.
Corequisite: Health 83. Prerequisite: Health 61 (completed with a grade of “C”
or higher).
Students are required to purchase a CPR manikin face mask and pocket mask on
the first day of class in order to participate. These items are available in the Chabot
College bookstore.
D 20909 Lec Wed 8:30-12:20 3115 MC INNIS 08/19-12/20 OP 001
Lab Wed 4:30-5:20 3115
Lab Wed 1:30-4:20 3115
Lab Wed 5:30-6:45 3115
IN ORDER TO BE ACCEPTED TO THE EMT CLASS, ALL OF THE FOLLOWING ITEMS
MUST BE RECEIVED BY FRIDAY, AUGUST 3, 2012: 1. Proof of TB test (nothing older
than November 1, 2011). 2. Proof of Measles, Mumps, and Rubella (MMR). (date
received does not matter). 3. Copy of your current CPR certificate, either CPR for
the Professional Rescuer from the American Red Cross or CPR-Healthcare Provider
from the American Heart Association (front and back of card). IF YOU DID NOT RECEIVE
YOUR CARD YET, JUST TELL ME WHEN & WHERE YOU TOOK THE CLASS. If it was at
Chabot or Las Positas, I can verify that information. 4. Copy of your Emergency
Response/First Responder certificate you obtained from Health 61 or the American
Red Cross (front and back of card). IF YOU DID NOT RECEIVE YOUR CARD YET,
JUST TELL ME WHEN & WHERE YOU TOOK THE CLASS. If it was at Chabot or Las
Positas, I can verify that information. 5. Piece of paper with your name, address, phone
number, and email address on it. Mail the above items to: Chabot College, Attention:
John MC Innis, EMT Coordinator, 25555 Hesperian Blvd., Hayward, CA 94545.
Fax Number: 510-723-7298 Do not send the original document, you won’t get it back.
When registering for Health 81, make sure that you also register for Health 83. Both
classes are required in order to receive your EMT completion certificate. If you have
any questions, contact John MC Innis at 510-723-7090 or jmcinnis@chabotcollege.edu

HLTH 63 PATIENT STABIL, EXTRIC & TRIAGE
Patient stabilization techniques to include safe patient extrication from a
simulated motor vehicle accident. Includes triage for multi-casualty incident/
disaster management.
Corequisite: Health 81.
S 20361 Lec Sat 8:30-11:20 3102 MC INNIS 11/02-11/02 P/N E82
Lab Sat 12:30-4:20 3102 P/N
This course is one day only.
## HISTORY

### HIS 1 WESTERN CIVILIZATION TO 1600 3.0 Units
Origin and development of civilization in the Mediterranean and its expansion into Europe - the Near East, Greece, Rome and the Middle Ages, Renaissance and the Reformation.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20961 Lec</td>
<td>MW</td>
<td>10:30-11:45</td>
<td>502 Stephens</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20962 Lec</td>
<td>MW</td>
<td>12:00-1:15</td>
<td>502 Stephens</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 20963 Lec</td>
<td>Tue</td>
<td>6:30-9:20</td>
<td>552 Stephens</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>071</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HIS 2 WESTERN CIVILIZATION SINCE 1600 3.0 Units
History of the Modern Western World; Romanticism and the Industrial Revolution to the present.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20964 Lec</td>
<td>TR</td>
<td>10:30-11:45</td>
<td>553 Stephens</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 21445 Lec</td>
<td>Tue</td>
<td>7:00-8:50</td>
<td>553 Moniz</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>ET1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HIS 3 WORLD HISTORY: BEGINNINGS-1500 3.0 Units
A survey of world history from the beginning of civilization and ancient cultures to 1500 C.E. Interconnections and divergence among cultures and civilizations in a global context will be emphasized. During the classical period, up to 500 C.E., similarities and differences as civilizations developed will be examined. The postclassical period, 500 to 1500, will look specifically at contact and interaction among peoples. Broader forces that affect civilizations such as trade patterns, migration, nomadism, syncretism, and disease patterns will be studied.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21290 Lec</td>
<td>MW</td>
<td>9:00-10:15</td>
<td>502 Stephens</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HIS 7 US HISTORY THROUGH RECONSTRUCT 3.0 Units
A survey of United States history from its pre-colonial, indigenous origins through the end of Reconstruction. Emphasis on (1) distinctively American patterns of political, economic, social, intellectual and geographic developments, (2) the interaction amongst and the experiences of diverse racial, ethnic and socioeconomic groups in American History, and (3) the evolution of American institutions and ideals including the U.S. Constitution, representative democratic government, the framework of California state and local government, and the relationships between state/local government and the federal government.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21716 Lec</td>
<td>MW</td>
<td>9:00-10:15</td>
<td>506 Adams</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20965 Lec</td>
<td>MW</td>
<td>1:30-2:45</td>
<td>554 Wofford</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20968 Lec</td>
<td>TR</td>
<td>9:00-10:15</td>
<td>551 Yeager</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20969 Lec</td>
<td>TR</td>
<td>10:30-11:45</td>
<td>551 Yeager</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 20970 Lec</td>
<td>TR</td>
<td>1:30-2:45</td>
<td>554 Wofford</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 22404 Lec</td>
<td>TR</td>
<td>3:00-4:15</td>
<td>551 Lottier</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 20971 Lec</td>
<td>Wed</td>
<td>7:00-9:50</td>
<td>551 Lottier</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 21296 Lec</td>
<td>R</td>
<td>7:00-9:50</td>
<td>551 Linn-Downs</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>A72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 20972 Lec</td>
<td>Mon</td>
<td>6:30-10:00</td>
<td>552 Moniz</td>
<td>08/26-12/13</td>
<td>GR</td>
<td>AE1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O 20973 By Arr 3.0 Hrs/Wk ONLINE Thompson</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>AN1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O 20967 By Arr 3.0 Hrs/Wk ONLINE Moniz</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>AN2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HIS 7-AN1 & AN2 are online courses with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/pace**
### HUMANITIES SERVICES *(See course listing under Psyc-Counseling)*

#### HUMANITIES

**HUMN 50 THE ARTFUL LIFE** 3.0 Units
- Introduction to the Arts: examine as expression and integration of self. Explore creativity as process, product, and attitude toward life. Study the artist as seeker of authenticity and the relationship between art and artist.

- **CRN**: 22346 Lec M 1:30 2:45 859 Staff - Fi 08/19-12/20 OP 001
- **CRN**: 22347 Lec R 6:30 8:00 856 Staff - Fi 08/19-12/20 GR 071

**HUMN 65 THE AMERICAN STYLE** 3.0 Units
- Introduction to the United States: Major works of literature, painting, sculpture, architecture, film, music, philosophy, science, religion, and political and social institutions. Particular attention to values and meanings that reflect the American cultural experience.

- **CRN**: 22348 Lec W 5:30 6:45 856 Staff - Fi 08/19-12/20 GR 001

**HUMN 68 WORLD MYTHOLOGY** 3.0 Units
- Introduction to mythic themes recurring in global literature, the visual arts, and music; gods, humans, heroes; their origins, variations, historical development, and full expression in classical times and continued presence in the arts.

- **CRN**: 22349 Lec W 5:30 6:45 856 Staff - Fi 08/19-12/20 GR 001

### INDUSTRIAL TECHNOLOGY

**INDT 74 MEASUREMENTS & CALCULATIONS** 3.0 Units
- Calculator techniques for whole number and decimal arithmetic problem solving, fraction-decimal conversion, percentages, ratio and proportion, algebra, geometry, areas and volumes. English metric conversion, and numerical trigonometry as applied in the industry.

- **CRN**: 22345 Lec R 6:30 9:20 1615 ABSHER 08/19-12/20 GR 071

### INTERIOR DESIGN

**INTD 50 RESIDENTIAL SPACE PLANNING** 3.0 Units
- Basic techniques in planning space for interiors. Private and group living spaces, support systems, functional planning of interior space, and color in space planning.

- **CRN**: 22349 Lec TR 1:00 2:15 907 Staff-Lang 08/19-12/20 GR 001

**INTD 54 PRINCIPLES OF INTERIOR DESIGN** 3.0 Units
- Elements and principles of design as they apply to interior design. Emphasis on the use of color and texture in the selection of home furnishings.

- **CRN**: 22347 Lec TR 1:00 2:15 907 Staff - Fi 08/19-12/20 OP 001

**INTD 55 INTRODUCTION TO TEXTILES** 3.0 Units
- Introduction to textiles in the apparel and home furnishing market. Includes identification, structure, and properties of fibers and yarns. Consideration of fabric design, both structural and decorative, fabric performance, labeling, and legal regulations covering textiles and apparel.

- **CRN**: 22348 Lec R 6:00 8:50 907 Staff - Fi 08/19-12/20 GR 071
MTT 60B  MACHINE TOOL TECHNOLOGY II  4.0 Units
Continuation of Machine Tool Technology 60A. Theory and laboratory practice relating to advanced lathe and milling machine operations, gear cutting, steel heat treating, basic surface and cylindrical grinding, and introduction to metric measurement. Emphasis on correct machine tool setup and quality of project work are stressed. Prerequisite: Machine Tool Technology 60A (completed with a grade of “C” or higher). Strongly recommended: Industrial Technology 74.
D 20530 Lec WR 1:00 1:50 1560 ABSHER 08/19-12/20 GR 001 Lab WR 2:00 4:50 1402 GR

MTT 63A  INDIVIDUAL PROJECTS  2.0 Units
Design, development, and fabrication of selected projects for the machine tool technology major to develop special entry-level job skills. Strongly recommended: Machine Tool Technology 60A.
D 20034 Lab MT 2:00 4:50 1402 ABSHER 08/19-12/20 GR 001 D 22046 Lab WR 2:00 4:50 1402 ABSHER 08/19-12/20 GR 002

MTT 63B  ADVANCED INDIVIDUAL PROJECTS  2.0 Units
Continuation of Machine Tool Technology 63A. Selected projects to provide certain specialized skills required for job updating, job advancement, or skill specialization. Strongly recommended: Machine Tool Technology 60A.
D 20439 Lab MT 2:00 4:50 1402 ABSHER 08/19-12/20 GR 001 D 22047 Lab WR 2:00 4:50 1402 ABSHER 08/19-12/20 GR 002

MTT 65  PRODUCTION PRACTICES  4.0 Units
Introduction to design and fabrication of production-type tooling such as jigs, fixtures, and gauges as applied in industry. Emphasis on tool design practices, fabrication techniques, set-up procedures, and inspection of production parts. Prerequisite: Machine Tool Technology 60B (completed with a grade of “C” or higher).
D 22339 Lec WR 11:00 11:50 1615 ABSHER 08/19-12/20 GR 001 Lab WR 2:00 4:50 1402  GR

MTT 71A  NUMERICAL CONTROL PROGRAM I  4.0 Units
Introduction to programming and operating three-axis computer numerical controlled drilling and milling machining centers. Instruction includes the XYZ Cartesian Coordinate system, manual and automatic machining center operation, absolute and incremental positioning, program coding and preparation, and fabrication of basic three-axis drill and mill parts, and laboratory “first article” inspection reports. Strongly recommended: Industrial Technology 74.
E 22341 Lec Tue 6:00 7:50 1620 LONG 08/19-12/20 GR 071 Lab Tue 8:00 9:50 1618 GR Lab R 6:00 9:50 1618 GR

MTT 71C  NUMERICAL CTRL PROGRAMMING III  4.0 Units
Basic programming and operating of two-axis and live tooling computer numerical controlled lathes. Instruction includes lathe programming using constant surface speeds, internal and external turning, live tool drilling, tapping, milling, sub spindle operation, and laboratory “first article” inspection reports. Strongly recommended: Industrial Technology 74.
E 21795 Lec TR 5:00 5:50 1620 LONG 08/19-12/20 GR 071 Lab Tue 8:00 9:50 1618 GR Lab R 6:00 9:50 1618 GR

MTT 81B  SURFCAM  3.0 Units
The fundamentals of Surfcam CAD/CAM manufacturing software as it pertains to machine shop use and requirements. Instruction includes theory and laboratory practice on the use of the Surfcam software environment to create 2 1/2 and 3 axis, lathe, and wire edm tool paths. Instruction includes part drawing, dimensioning, importing electronic files (DXF, IGES, Stl, Drgt, Dwg), lathe and mill tool path construction, geometry and tool path transformations, tool path editing, and post processors. Strongly recommended: Machine Tool Technology 71A.
E 20790 Lec Mon 5:30 7:20 1620 LONG 08/19-12/20 GR 071 Lab Mon 7:30 10:20 1618 GR

MTT 81C  MASTERCAM X  4.0 Units
The fundamentals of the latest version of Mastercam X CAD/CAM manufacturing software as it pertains to machine shop use and requirements. Instruction includes theory and laboratory practice on the use of the Mastercam X software environment to create 2 1/2 and 3 axis, lathe, and wire edm tool paths. Instruction includes part drawing, dimensioning, importing electronic files (DXF, IGES, Stl, Drgt, and Dwg), lathe and mill tool path construction, geometry and tool path transformations, tool path editing, and post processors. Strongly recommended: Machine Tool Technology 71A.
E 21547 Lec Wed 5:30 7:20 1620 LONG 08/19-12/20 GR 071 Lab Wed 7:30 10:20 1618 GR

MARKETING  *(See course listing under Business)*

MASS COMMUNICATIONS

MCOM 9  COLLOQUIUM-MASS COMMUNICATIONS  1.0 Unit
Special projects in Radio and TV to further skills in broadcasting.
D 21193 By Arr 2.0 Hrs/Wk TBA 04/20-06/20 GR 001

MCOM 20  JOURNALISM: NEWSWRITING & INFO  3.0 Units
Fundamentals of reporting and news writing to develop ability to identify a compelling story, gather information, organize, write, rewrite and deliver in the chosen format, according to professional standards of traditional print journalism and online journalism, supported by multimedia. Analysis of exemplary journalistic models. Conceive, research, and write stories using traditional news values. Requires source interviews or original research. Strongly recommended: Eligibility for ENGL 1A. May not receive credit if MCOM 1 has been completed.
D 22505 Lec Mon 1:00 2:15 2258 LEACH 08/19-12/20 GR 001 Lec Wed 1:00 2:15 1615 GR

MCOM 21  NEWSPAPER PRODUCTION I  3.0 Units
This course focuses on writing and producing student news publications using the school newspaper, the Spectator and its online version, thechabotspectator.com, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students will work primarily in one of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethics and legal aspects of communication are also covered. Strongly recommended: MCOM 20 (completed with a grade of “C” or higher) Eligibility for ENGL 1A (completed with a grade of “C” or higher).
D 22506 Lec R 2:00 3:20 2325 LEACH 08/19-12/20 GR 001 Lab TR 1:00 1:50 2325 GR Lab By Arr 4.0 Hrs/Wk TBA GR

MCOM 22  NEWSPAPER PRODUCTION II  3.0 Units
This course focuses on intermediate writing and producing student news publications using the school newspaper, the Spectator and its online version, thechabotspectator.com, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students will work primarily in two or three of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethics and legal aspects of communication and media leadership/management are also covered. This course focuses on intermediate writing and producing student news publications using the school newspaper, the Spectator and its online version, thechabotspectator.com, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students will work primarily in two or three of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethics and legal aspects of communication and media leadership/management are also covered. Strongly recommended: MCOM 20 (completed with a grade of “C” or higher). Eligibility for ENGL 1A.
E 22507 Lec R 2:00 3:20 2325 LEACH 08/19-12/20 GR 001 Lab TR 1:00 1:50 2325 GR Lab By Arr 4.0 Hrs/Wk TBA GR
MCOM 23 NEWSPAPER PRODUCTION III 3.0 Units
This course focuses on advanced leadership, writing and producing student news publications using the school newspaper, the Spectator and its online version, thechabotspectator.com, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students will work primarily in four or five of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethics and legal aspects of communication and media leadership/management are also covered and students should serve in leadership roles. **Prerequisite:** MCOM 22.

MCOM 24 NEWSPAPER PRODUCTION IV 3.0 Units
This course focuses on advanced leadership, writing and producing student news publications using the school newspaper, the Spectator and its online version, thechabotspectator.com, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students will produce work in six or more of the following areas: researching, writing, and editing advanced investigative and in-depth articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethics and legal aspects of communication and media leadership/management are also covered and students should serve in leadership roles and cover a major or public affairs beat. **Prerequisite:** MCOM 23.

MCOM 26 BEGINNING PHOTOGRAFISM 3.0 Units
Beginning photograhism focuses on the technical, aesthetic, journalistic and interpersonal skills needed to produce images that tell stories for newspapers, magazines, books and the Internet. Assignments will introduce students to specific areas of photograhism including current technology and tools for preparing images. Students may be assigned to cover protests, demonstrations, political campaigns, live performances, campus events, press conferences, sporting events and feature stories that explore contemporary social issues. Journalistic ethics will be the subject of ongoing discussions throughout the semester, as will applicable business practices. **Strongly recommended:** PHOT 50 or PHOT 53A.

MCOM 34 RADIO & TELEVISION ANNOUNCING 3.0 Units
Practical, hands-on experience in a broadcast radio and television station, using stat-of-the-art equipment to improve your performance on radio and TV. Teleprompter usage, projection of personality, voice control, pronunciation and more. May not receive credit if MCOM 32 has been completed.

MCOM 40 INTRODUCTION TO BROADCASTING 3.0 Units
Radio, TV, film, and multimedia broadcasting from the earliest years to the present and the economics, programming, ratings and their impact on culture and society. May not receive credit if MCOM 31 has been completed.

MCOM 41 INTRODUCTION TO MASS COMMUNICATIONS 3.0 Units
History of the press and mass media; the political, social and economic impact of the press on government and public opinion. Requisites: none A social and cultural impact of the media and its role in shaping public perception. An overview of the news process and job opportunities in the media. **Strongly recommended:** ENGL 1A. May not receive credit if MCOM 5 has been completed.

MCOM 43 ADVERTISING SALES & MEDIA MANAGEMENT 4.0 Units
Introduction to broadcast advertising sales from research through the sales presentation to airing the commercial campaign. Broadcast and cable station management objectives, procedures and problems pertaining to daily operations; and the managerial perspective of departments within broadcast and cable stations. May not receive credit if MCOM 8 has been completed.

MCOM 44 RADIO & TELEVISION ANNOUNCING 3.0 Units
Practical, hands-on experience in a broadcast radio and television station, using stat-of-the-art equipment to improve your performance on radio and TV. Teleprompter usage, projection of personality, voice control, pronunciation and more. May not receive credit if MCOM 32 has been completed.

MCOM 50 RADIO STUDIO TECHNIQUES 3.0 Units
Operational procedures and practices in a modern radio broadcast studio. Production aspects including editing and announcing, station operations and commercial radio programming.

MCOM 56 INTRO TO KCRH RADIO EXP 3.0 Units
Introduction to practical experience in KCRH radio station operations including programming, music, audio production techniques, promotions, news, live sports, and underwriting sales. Experience in broadcast operation of KCRH-FM. **Prerequisite:** MCOM 50 (completed with a grade of “C” or higher).

MCOM 58 KCRH RADIO EXPERIENCE 3.0 Units
Practical experience in radio programming, including music, audio production techniques, promotions, news, live sports, and underwriting sales. Experience in broadcast operation of KCRH 89.9-FM. **Prerequisite:** MCOM 50 (completed with a grade of “C” or higher). MCOM 38 and 58 may be taken a combined total of four times.

MCOM 59 ADVANCED KCRH RADIO EXPERIENCE 3.0 Units
Advanced experience in radio broadcast operation of KCRH 89.9-FM; including creating your own show, music, programming, audio production techniques, promotions, news, live sports, and underwriting sales. **Prerequisite:** MCOM 58 (completed with a grade of “C” or higher).

MCOM 60 TELEVISION STUDIO TECHNIQUES I 3.0 Units
Introduction to TV studio production and practices with hands-on experience in studio operations, control room procedures and basic program creation. MCOM 33A and 60 may be taken a combined total of four times.

MCOM 61 TV STUDIO TECHNIQUES II 3.0 Units
Further experience in television studio production and practices with hands-on experience in studio operations, control room procedures and basic program creation. Designed to improve skills in operating TV equipment and producing and directing TV programs. **Prerequisite:** MCOM 60. MCOM 33B and 61 may be taken a combined total of four times.

MCOM 68 KCTH TELEVISION EXPERIENCE 3.0 Units
Practical experience in TV production and programming, creating original TV shows and segments. **Prerequisite:** MCOM 60. MCOM 39 and 68 may be taken a combined total of four times.

MCOM 69 ADVANCED KCTH TV EXPERIENCE 3.0 Units
Advanced TV studio production and developing programs to air on KCTH Comcast Channel 27. Experience in broadcast and DVD movie making. **Prerequisite:** MCOM 60. **Strongly recommended:** MCOM 68.
MTH 1  CALCULUS I  5.0 Units
Limits and continuity, differentiation of algebraic and trigonometric functions, the definite integral. **Prerequisite: Mathematics 20 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics assessment process.**

D 20932 Lec MWF 10:30-11:55 1802 CREW 08/19-12/20 GR 001
D 20933 Lec MWF 1:30-2:55 1803 WAH 08/19-12/20 GR 002
D 20934 Lec TR 1:30-4:45 3902 HO 08/19-12/20 GR 003
E 20935 Lec TR 7:00-9:15 1811 BATCHelor 08/19-12/20 GR 071

MTH 2  CALCULUS II  5.0 Units
Techniques of integration, parametric equations, polar coordinates, sequences and series. Introduction to three-dimensional coordinate system and operations with vectors. Primarily for mathematics, physical science and engineering majors. **Prerequisite: Mathematics 1 (completed with a grade of “C” or higher).**

D 20936 Lec MTWR 9:00-10:55 1801 CHAUDHURI 08/19-12/20 GR 001
D 20937 Lec MWF 10:30-11:55 3932 CHAUDHURI 08/19-12/20 GR 002
E 21474 Lec TR 4:30-6:45 1801 YEST 08/19-12/20 GR 071

MTH 3  MULTIVARIABLE CALCULUS  5.0 Units
Vector valued functions, functions of several variables, partial differentiation, multiple integration, change of variables theorem, scalar and vector fields, gradient, divergence, curl, line integral, surface integral, theorems of Green, Stokes and Gauss, applications. **Prerequisite: Mathematics 2 (completed with a grade of “C” or higher).**

D 21822 Lec MWF 8:30-9:55 356 FOQUET 08/19-12/20 GR 001

MTH 4  ELEM DIFFERENTIAL EQUATIONS  3.0 Units
Introduction to differential equations, including first and second order equations, series solutions, Laplace transforms, applications. **Prerequisite: Mathematics 2 (completed with a grade of “C” or higher). Strongly recommended: Mathematics 3 (Multivariable Calculus).**

E 20938 Lec MW 7:00-8:15 1801 BATCHelor 08/19-12/20 GR 071

MTH 6  ELEMENTARY LINEAR ALGEBRA  3.0 Units
Introduction to linear algebra: matrices, determinants, systems of equations, vector spaces, linear transformations, eigenvalue, eigenvectors, applications. **Prerequisite: Mathematics 2 (completed with a grade of “C” or higher).**

D 20939 Lec MW 1:30-2:45 3932 YEST 08/19-12/20 GR 001

MTH 15  APPLIED CALCULUS I  3.0 Units
Differential calculus of algebraic, exponential, and logarithmic functions; introduction to integral calculus. Applications in business, economics and the life and social sciences. **Prerequisite: Mathematics 31 or Mathematics 20 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics assessment process.**

D 21562 Lec MW 12:00-1:15 1802 HANHAN 08/19-12/20 GR 001
E 21745 Lec TR 6:30-7:45 3934 MAYER 08/19-12/20 GR 071

MTH 20  PRE-CALCULUS MATHEMATICS  5.0 Units
Rational functions and relations with emphasis on logarithmic and trigonometric functions; graphs, applications. **Prerequisite: Mathematics 36 or 37 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics assessment process.**

D 20940 Lec MTWR 9:00-10:05 1904 Staff - Sc 08/19-12/20 GR 001
D 20941 Lec MWF 10:30-11:55 1801 Staff - Sc 08/19-12/20 GR 002
E 20942 Lec MW 4:30-6:45 1904 YEST 08/19-12/20 GR 071
E 21306 Lec TR 7:00-9:15 1801 Staff - Sc 08/19-12/20 GR 072

MTH 25  COMP METHODS ENGINEER/SCIENCE  3.0 Units
Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB and EXCEL. Technical computing and visualization for mechanics, electrical circuits, biology, thermal systems, fluid systems, and other branches of science and engineering. **Prerequisite: Mathematics 1. Strongly recommended: Computer Application Systems 8 or Computer Science 8. May not receive credit if Engineering 25 or Physics 25 has been completed.**

D 21333 Lec TR 4:00-5:05 1813 MAYER 08/19-12/20 GR 001
Lab R 5:00-6:15 1813 GR
Lab Tue 5:00-6:15 1813 GR

MTH 31  COLLEGE ALGEBRA  3.0 Units
Preparation for Calculus for Business and Social Science students. Functions and graphs; polynomials, rational functions; trigonometric functions, circles, parabolas, binomial theorem, sequences and series. Solving rational, radical, quadratic in form, exponential and logarithmic functions; circle, line integral, surface integral, theorems of Green, Stokes and Gauss, applications. **Prerequisite: Mathematics 54 or 54L or Mathematics 55 or 55L or Mathematics 55B (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process.**

This course may require you to purchase access to an online mathematics learning environment.

D 20943 Lec MW 12:00-1:15 1811 Staff - Sc 08/19-12/20 GR 001
D 20944 Lec TR 10:30-11:45 3932 FOQUET 08/19-12/20 GR 002
E 21309 Lec MW 7:00-8:15 1811 Staff - Sc 08/19-12/20 GR 071
E 21797 Lec Wed 6:30-9:20 TBA Staff - Sc 08/19-12/20 GR 001

MTH 33  FINITE MATHEMATICS  4.0 Units
Straight lines, systems of linear equations, matrices, systems of linear inequalities, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques and an introduction to probability. Applications in business, economics and the social sciences. **Prerequisite: Mathematics 55, 55L or Mathematics 55B (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the mathematics assessment process.**

E 20945 Lec TR 7:00-8:50 1802 Staff - Sc 08/19-12/20 GR 071

MTH 37  TRIG/GEOMETRIC FOUNDATIONS  5.0 Units
Plane trigonometry, with topics from plane geometry. Contains the entire subject content of Mathematics 36. Includes circular and right triangle trigonometric functions; trigonometric equations, graphs and identities; triangle solutions; polar coordinates. Also includes congruence, properties of polygons, parallel lines, similarity, areas, volumes, and coordinate geometry. **Prerequisite: Mathematics 55, 55L or Mathematics 55B (both completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 36 has been completed.**

D 20946 Lec MTWR 9:00-10:05 1906 Staff - Sc 08/19-12/20 GR 001
D 20947 Lec MWF 10:30-11:55 506 Staff - Sc 08/19-12/20 GR 002
D 20949 Lec MTWR 1:30-2:35 1908 CREW 08/19-12/20 GR 003
E 21494 Lec TR 4:30-6:45 1811 BATCHelor 08/19-12/20 GR 071
E 20948 Lec MW 7:00-9:15 1802 Staff - Sc 08/19-12/20 GR 072
MTH 43  INTRO/PROBABILITY & STATISTICS  4.0 Units
Descriptive statistics, including measures of central tendency and dispersion; elements of probability; tests of statistical hypotheses (one and two populations); correlation and regression; applications in various fields. Introduction to the use of computer software package to complete both descriptive and inferential statistics problems. **Prerequisite:** Mathematics 54, 54L, 55, 55L or 55B (completed with a grade of “C” or higher), or an appropriate skill level demonstrated through the Mathematics Assessment process. Strongly recommended: Eligibility for English 1A. May not receive credit if Mathematics 35 has been completed.

This course may require you to purchase statistics software and a graphing calculator.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20950</td>
<td>Lec</td>
<td>M</td>
<td>8:00</td>
<td>10:15</td>
<td>1812 DAVIS</td>
<td>08/19-12/20</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>20951</td>
<td>Lec</td>
<td>MTR</td>
<td>8:00</td>
<td>10:15</td>
<td>1812 DAVIS</td>
<td>08/19-12/20</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>20952</td>
<td>Lab</td>
<td>W</td>
<td>9:25</td>
<td>10:15</td>
<td>357</td>
<td>08/19-12/20</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>20954</td>
<td>Lab</td>
<td>W</td>
<td>9:30</td>
<td>11:45</td>
<td>1804 HO</td>
<td>08/19-12/20</td>
<td>004</td>
<td></td>
</tr>
<tr>
<td>20956</td>
<td>Lab</td>
<td>W</td>
<td>9:00</td>
<td>10:15</td>
<td>805</td>
<td>08/19-12/20</td>
<td>005</td>
<td></td>
</tr>
</tbody>
</table>

MTH 54  APPLIED INTERMEDIATE ALGEBRA  5.0 Units
Functions in the context of real data; rates of change of linear functions; linear systems; laws of rational exponents mathematical models (including graphs) using exponential, logarithmic, power, and linear, quadratic and other polynomial functions; solution of exponential and logarithmic equations. **Prerequisites:** Mathematics 65 or Mathematics 65B or Mathematics 65L (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 54L has been completed. This course may require you to purchase access to an online mathematics learning environment and a graphing calculator.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21386</td>
<td>Lec</td>
<td>MVWR</td>
<td>7:00</td>
<td>9:15</td>
<td>1804 OLIVER</td>
<td>08/19-12/20</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>21347</td>
<td>Lec</td>
<td>MVWR</td>
<td>7:00</td>
<td>9:15</td>
<td>1804 OLIVER</td>
<td>08/19-12/20</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>20948</td>
<td>Lec</td>
<td>MVWR</td>
<td>7:00</td>
<td>9:15</td>
<td>1804 OLIVER</td>
<td>08/19-12/20</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>20959</td>
<td>Lab</td>
<td>W</td>
<td>8:00</td>
<td>9:15</td>
<td>1804 OLIVER</td>
<td>08/19-12/20</td>
<td>004</td>
<td></td>
</tr>
</tbody>
</table>

MTH 55  INTERMEDIATE ALGEBRA  5.0 Units
Concepts involving complex numbers, quadratic equations, parabolas and circles, functions and their graphs, systems of equations, rational exponents, radical equations, absolute value equations and inequalities, exponential and logarithmic functions and equations. **Prerequisites:** Mathematics 65 or Mathematics 65B or Mathematics 65L (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 55A and Mathematics 55B or Mathematics 55L have been completed. This course may require you to purchase access to an online mathematics learning environment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22093</td>
<td>Lec</td>
<td>MVWR</td>
<td>9:00</td>
<td>10:05</td>
<td>1802 KOLB</td>
<td>08/19-12/20</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>22094</td>
<td>Lec</td>
<td>MVWR</td>
<td>10:30</td>
<td>11:35</td>
<td>1802 KOLB</td>
<td>08/19-12/20</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>22095</td>
<td>Lec</td>
<td>MVWR</td>
<td>3:00</td>
<td>4:00</td>
<td>3902 CHAUDHURI</td>
<td>08/19-12/20</td>
<td>003</td>
<td></td>
</tr>
</tbody>
</table>

MTH 53  APPLIED ALGEBRA & DATA ANALYSIS  6.0 Units
Equations and formulas; linear, exponential, logarithmic and variation functions; measurement and conversion of units; exponents and scientific notation; introduction to descriptive statistics including graphical methods; introduction to probability; measures of risk. Intended for students who do not need calculus. **Prerequisite:** MTH 104 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. Strongly recommended: ENGL 102 or ENGL 101B. This course has been developed for students who are pursuing nursing/dental hygiene and non-science majors. The course will prepare students for entry into Math 43: Statistics and Math 42: Math for Liberal Arts. For more information, please contact the Science & Math Division at cc-scienceandmath@chabotcollege.edu

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22517</td>
<td>Lec</td>
<td>MTR</td>
<td>8:30</td>
<td>9:55</td>
<td>3902 STUBBLEINE</td>
<td>08/19-12/20</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>22518</td>
<td>Lec</td>
<td>MTR</td>
<td>8:30</td>
<td>9:55</td>
<td>3902 STUBBLEINE</td>
<td>08/19-12/20</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>22665</td>
<td>Lec</td>
<td>MTR</td>
<td>9:25</td>
<td>10:15</td>
<td>3902 STUBBLEINE</td>
<td>08/19-12/20</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>22519</td>
<td>Lec</td>
<td>MTR</td>
<td>9:25</td>
<td>10:15</td>
<td>3902 STUBBLEINE</td>
<td>08/19-12/20</td>
<td>004</td>
<td></td>
</tr>
</tbody>
</table>

MTH 65  ELEMENTARY ALGEBRA  5.0 Units
Elementary concepts, including signed numbers, integral exponents, polynomials and rational expressions; linear, quadratic and rational equations; linear inequalities; introduction to graphs and set theory; systems of equations. **Prerequisite:** Mathematics 104 (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process. May not receive credit if Mathematics 65L or Mathematics 65A and Mathematics 65B have been completed. This course may require you to purchase access to an online mathematics learning environment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20994</td>
<td>Lec</td>
<td>MVWR</td>
<td>9:00</td>
<td>10:05</td>
<td>1802 KOLB</td>
<td>08/19-12/20</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>20995</td>
<td>Lec</td>
<td>MVWR</td>
<td>10:30</td>
<td>11:35</td>
<td>1802 KOLB</td>
<td>08/19-12/20</td>
<td>002</td>
<td></td>
</tr>
</tbody>
</table>

This is a PACE Course. Enrollment is restricted to PACE students. Courses that do not fill will open up to all students on Aug. 5th. For information on the PACE Program, go to http://www.chabotcollege.edu/PACE

Chabot College • Summer/Fall 2013 Class Schedule 63 • 510.723.6600 • www.chabotcollege.edu
MEDA 71A ADMINISTRATIVE SKILLS I 2.0 Units
AdministrativeASSISTING services and skills to include the healthcare industry, the medical assisting profession, interpersonal skills and human behavior, law and ethics, computer concepts, telephone techniques, scheduling appointments, patient reception and processing office/clinic environment and daily operations, written Communication and mail processing medical record management. Corequisite: Health 51A.
D 20102 Lec Wed 12:00 12:50 2258 STAFF 08/19-12/20 GR 001
Lab Wed 09:00 11:50 2258 GR

Medical Assisting is a 2-semester certificated program. There is no special application. All students wishing to be enrolled in the Medical Assisting program should register for the following classes for Fall semester. HLTH 51A, HLTH 70A, HLTH 70B, MEDA 70A, MEDA 71A and MEDA 75 as well as one of the following computer classes CAS 50, CAS 8, CAS 88A or CSI 8. All of these classes must be completed with a “C” or better to progress to the second semester of Medical Assisting. Class size is limited, so register early. For further information, visit the Medical Assisting website at http://www.chabotcollege.edu/MEDA You may e-mail Jane Vallely at medassistvallely@yahoo. com or call (510) 723-7211. If classes are full please come to the first day of each class with your priority number.

MUSIC-RECORDING TECHNOLOGY

MURT 21 AUDIO RECORDING I 3.0 Units
Fundamentals of audio recording and the digital audio workstation. Basic acoustic, principles of analog and digital audio basics, studio set-up, microphone technique, basic mixing techniques and digital audio workstation fundamentals.
D 21835 Lec Mon 10:00 11:50 1236 ROSEN 08/19-12/20 GR 001
Lab Wed 10:00 11:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

D 21836 Lec Mon 1:00 2:50 1236 ROSEN 08/19-12/20 GR 002
Lab Wed 1:00 2:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 22A ELECTRONIC MUSIC PRODUCTION I 3.0 Units
D 21791 Lec Tue 10:00 11:50 1236 MATHESON 08/19-12/20 GR 001
Lab R 10:00 11:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

E 21570 Lec Tue 3:00 4:50 1236 MATHESON 08/19-12/20 GR 002
Lab R 3:00 4:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 28 MUSIC INDUSTRY CAREER DEVLPMNT 3.0 Units
Career opportunities in the Music industry, artist management and promotion, music merchandising.
D 21837 Lec TR 1:00 2:15 301 MATHESON 08/19-12/20 GR 001
Lab By Arr 1.0 Hrs/Wk TBA GR

Chabot College • Summer/Fall 2013 Class Schedule 64 510.723.6600 • www.chabotcollege.edu
### MUSIC-APPLIED

#### MUSA 11 JAZZ IMPROVISATION 1.0 Unit
Major scales, chord construction, and development of melodic lines used in contemporary styles of Jazz Improvisation. Jazz literature for combos of the post Bop era using exotic scales, altered chord construction, and development of modal and intervallic concepts used in contemporary improvisation.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22602</td>
<td>Lab</td>
<td>TUE</td>
<td>10:30-11:45</td>
<td>1250</td>
<td>RICHMAN</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>Lab R</td>
<td>10:30-11:45</td>
<td>1250</td>
<td>Lab By Arr 1.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td>GR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 20A GUITAR I 1.0 Unit
Beginning guitar using a combination of folk and classic approaches to playing technique, utilizing basic scales and chords in first position, and music notation. Strongly recommended: MUSL 6.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21228</td>
<td>Lab</td>
<td>MW</td>
<td>10:30-11:20</td>
<td>1245</td>
<td>FLORES</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>Lab</td>
<td>By Arr 2.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 21A PIANO I 1.0 Unit
Beginning piano. Contemporary and classic approaches to playing piano using basic scales, chords and music notation. Prerequisite: MUSL 6 (completed with a grade of “C” or higher) or equivalent.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20019</td>
<td>Lab</td>
<td>MW</td>
<td>3:00-3:50</td>
<td>1223</td>
<td>LINTON</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>Lab</td>
<td>By Arr 2.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 22A JAZZ PIANO I 1.0 Unit
Voicings, chords, and guidelines for improvisation in the contemporary styles of the jazz pianist. Post bop-era, through modern to avant-garde piano playing in the jazz idiom. Strongly recommended: MUSL 6.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20815</td>
<td>Lab</td>
<td>MW</td>
<td>12:00-12:50</td>
<td>1223</td>
<td>RICHMAN</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
<tr>
<td>Lab</td>
<td>By Arr 2.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 23A VOICE I 1.0 Unit

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 21112</td>
<td>Lab</td>
<td>TR</td>
<td>12:00-12:50</td>
<td>1223</td>
<td>CONLEY</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
</tr>
<tr>
<td>Lab</td>
<td>By Arr 2.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 40 APPLIED LESSONS- FLUTE 1.0 Unit
Individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. Enrollment subject to a standardized audition demonstrating basic competencies in technique and musicianship in their major performance medium. Corequisite: MUSP 12 or 13 or 14 or 15 or 16 or 44 or 45. 4 hours laboratory.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 22061</td>
<td>Lab</td>
<td>By Arr 4.0 Hrs/Wk</td>
<td>TBA</td>
<td>Staff - Fi</td>
<td>08/19-12/20</td>
<td>GR</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>Lab</td>
<td>By Arr 4.0 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### MUSA 40 APPLIED LESSONS- BASSOON

#### MUSA 40 APPLIED LESSONS- CLARINET

#### MUSA 40 APPLIED LESSONS- HORN

#### MUSA 40 APPLIED LESSONS- LOW BRASS

#### MUSA 40 APPLIED LESSONS- BASS

#### MUSA 40 APPLIED LESSONS- GUITAR

### MUSIC-LITERATURE, THEORY & MUSICIANSHIP

#### MUSL 1 INTRODUCTION TO MUSIC 3.0 Units
Music for enjoyment and understanding through informed listening, analysis, evaluation and discernment of musical elements, forms, and repertoire. Attendance at concerts and listening to a variety of music is required. 

#### MUSL 2A HARMONY AND MUSICIANSHIP I 3.0 Units
Study of the fundamentals of Western music applicable to both classical and popular styles: notation; fundamental theoretical concepts; musicianship skills including sight singing, rhythm training, ear training, dictation, and keyboard realization; and basic compositional skills. Strongly recommended: MUSL 6 or equivalent skills.

#### MUSL 2C HARMONY AND MUSICIANSHIP III 3.0 Units
Elements of both diatonic and chromatic harmony through part writing and ear training exercises as typified by musical practice from 1600 to the present. Continue solfeggio; chord recognition; melodic, rhythmic, and harmonic dictation; and figured bass realization. Introduce chorale dictation, chromatic four-part voice leading, chord progression and succession techniques, non-chord tones using figuration and rhythmic displacement, and mode mixture. Prerequisite: MUSL 2B (completed with a grade of “C” or higher).
### MUSP 16 JAZZ ORCHESTRA 1.0 Unit
Jazz Orchestra I is a performance organization that rehearses and performs a variety of contemporary jazz literature. Students develop ability to play various jazz styles, sight read, improvise, and play both as members of a section and as soloists. The orchestra plays various concerts and festivals. Opportunities to rehearse the orchestra as well as conduct. **Enrollment by audition only.** 4 hours laboratory.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22079</td>
<td>Lab Wed</td>
<td>07:00  9:50</td>
<td>1250 PALACIO</td>
<td>08/19-12/20</td>
<td>GR 071</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

### MUSP 18 PERCUSSION ENSEMBLE 1.0 Unit
Open to any percussionist wishing to experience ensemble playing. Topics include a variety of styles and techniques used in percussion performance. Basic music reading is required. **Strongly recommended: Music 12A or equivalent skills.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21230</td>
<td>Lab R</td>
<td>12:00  12:50</td>
<td>1245 LINGTON</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

### MUSP 21 CHAMBER CHOIR 1.0 Unit
Development of sufficient vocal and music ability to interpret and perform a variety of vocal chamber music. Designed for the advanced singer. Enrollment subject to a standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21678</td>
<td>Lab TR</td>
<td>10:30  11:45</td>
<td>1245 LINGTON</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

### MUSIC-PERFORMANCE

#### MUSP 12 WIND ENSEMBLE 1.0 Unit
Band repertoire of all styles and periods. Emphasis on group participation and public performance with new repertoire performed and studied each semester. Attendance at all scheduled performances required. Enrollment subject to a standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level. 4 hours laboratory.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22076</td>
<td>Lec</td>
<td>09:00  11:50</td>
<td>1245 HARRIS</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

#### MUSP 13 WIND SYMPHONY 1.0 Unit
Select and limited ensemble performing new repertoire each semester designed for advanced musicians seeking continued study in advanced band repertoire from all periods. Attendance subject to a standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level. 4 hours laboratory.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22077</td>
<td>Lec</td>
<td>09:00  11:50</td>
<td>1245 HARRIS</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

#### MUSP 14 JAZZ ENSEMBLE 1.0 Unit
For instrumentalists who want experience in performing and interpreting small group literature. The music literature will cover important aspects of jazz band development and works of all styles and periods. Emphasis will be on articulations, stylistic differences, and common performance practices of the various periods of music. Enrollment by audition only.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22603</td>
<td>Lab MW</td>
<td>08:00  11:00</td>
<td>1250 PALACIO</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

#### MUSP 15 JAZZ ENSEMBLE 1.0 Unit
Reading, preparation and performance of contemporary jazz music arranged for standard Big Band. The band plays various concerts and festivals. Students develop ability to play various jazz styles, sight read, improvise, and play both as members of a section and as soloists. Enrollment by audition only. 4 hours laboratory.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>22078</td>
<td>Lab TR</td>
<td>08:00  11:00</td>
<td>1250 PALACIO</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

### NURSING

#### NURS 55 FUNDAMENTALS OF NURSING PRAC 8.5 Units
Introduction to fundamental concepts and practices in nursing care across the life span with emphasis on later-life issues. Application of the nursing process to the care of the adults with hypertension, cancer, diabetes mellitus, coronary artery disease, cerebrovascular accidents and congestive heart failure. Theoretical concepts include the care with diverse cultural backgrounds and spiritual needs, as well as principles of therapeutic communication skills. Clinical skills include principles of asepsis, body mechanics, standard precautions, hygienic and nutritional need and the administration of medications and IV fluids. **Prerequisite: Acceptance into the Nursing Program. Corequisite: Nursing 69, Nursing 61, Nursing 58, Nursing 56, Nursing 74.**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20430</td>
<td>Lec R</td>
<td>10:00  11:50</td>
<td>3155 GILLIS</td>
<td>08/19-12/20</td>
<td>GR 001</td>
<td>001</td>
<td></td>
</tr>
</tbody>
</table>

---

**Chabot College • Summer/Fall 2013 Class Schedule**

510.723.6600 • www.chabotcollege.edu
<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
<th>CRN</th>
<th>Type(s)</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20471</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
<td>20471</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>22329</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>002</td>
<td>22329</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>20643</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>003</td>
<td>20643</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>20644</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>004</td>
<td>20644</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
</tr>
<tr>
<td>20645</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>005</td>
<td>20645</td>
<td>Lec</td>
<td>Mon</td>
<td>10:00</td>
<td>11:50</td>
<td>3102</td>
<td>BAIARDI</td>
<td>08/19-12/20</td>
</tr>
</tbody>
</table>

**NURS 56  NSG CARE GROWTH/DEVELOPMENT**  0.5 Unit
Overview of human growth and development from infancy to late adulthood throughout the nursing program. **Prerequisite:** Acceptance into the Nursing Program.

**NURS 58  NURS CARE-PATIENT INFEC DISEAS**  1.0 Unit
Nursing Care for Patients with Infectious Disease: Use of the nursing process in the care of the client with infectious disease with an emphasis on HIV and Hepatitis. **Prerequisite:** Satisfactory completion or concurrent enrollment of Nursing 55 or Nursing 70 or the equivalent.

**NURS 59  NURS CARE OF THE CHILDBEAR FAM**  8.5 Units
Emphasis is placed on the use of the nursing process in promoting adaptive processes necessary for coping with family health issues; theory and clinical highlight the coping mechanisms for childbearing and childbearing families. The focus is on cultural diversity and growth and development as they affect the physiological and psychological adaptation of families experiencing pregnancy, labor and birth, postpartum, newborn, and common health issues and problems of infants, children, and adolescents. Theory and clinical practice includes integration of assessment skills, growth and development, family abuse issues, nutrition, pharmacological concepts, ethical issues, and teaching strategies unique to childbearing families. Clinical focuses on care of clients in community and acute care settings. **Prerequisites:** Completion of Nursing 55, 56, 61, 69, 74, with a grade of "C" or better. Satisfactory completion or concurrent enrollment in Nursing 57, 58, 64, and 75.

**NURS 60A ADULT HEALTH I**  8.5 Units
Emphasis is on the use of the nursing process in care of adults experiencing selected conditions requiring treatment in medical-surgical and psychiatric care settings. Theory and clinical practice highlight the role of the nurse as a therapeutic agent (in both individual and group settings) in facilitating the client's mind/body adaptation and return to as healthy a state as is possible. Effects on cultural diversity, growth and development, and the importance of support systems in assisting the patient's response to illness in acute and community care agencies are incorporated into health care strategies used by the nurse. Theory and clinical practice includes integration of biosocial assessment skills, nutrition, pharmacological and crisis intervention concepts, legal-ethical issues, and anger management (directed inward or outwards the environment) into the care of the patient. **Prerequisites:** Acceptance into the Nursing Program. Admission to the Nursing Program required.

**NURS 61  CLINICAL NUTRITION**  1.5 Units
Introduction to principles of clinical nutrition. Assessment of nutritional status, application of nutritional principles across the life span; diet therapy in selected diseases; nutritional supplements; weight gain, weight loss; impact of culture and spiritual beliefs on diet. Admission to the Nursing Program required.

**NURS 64  PHARMACOLOGY FOR PROFES NURSES**  2.5 Units
Introduces the principles of drug therapy, clinical pharmacology, administration of drugs as therapeutic agents and the interactions of drugs and body tissues. **Prerequisite:** Satisfactory completion of all courses in the first two semesters of the nursing curriculum and concurrent enrollment (or satisfactory completion of) Nursing 59 or Nursing 60A or possession of a valid California RN or LVN license.

**NURS 69  GERONTOLOGICAL NURSING**  1.0 Unit
Nursing care of the aging client. Physical and psychosocial changes which occur with the aging process. Focus on successful adaptation to the aging process with emphasis on maintaining or regaining optimal health. Theories of aging cultural influences on the aging process. **Corequisite:** Nursing 55, 61, 74 or Nursing 9914, or Nursing 70, or possession of a valid LVN license.

**NURS 70 NURS THEORY: LVN-RN TRANSITION**  1.5 Units
Review of selected nursing topics for the LVN wishing to upgrade to RN. Includes the nursing care plan, nursing process, communication principles, legal-ethical concepts common to the role of registered nursing, functions of the California Board of Registered Nursing, and selected psychomotor skills utilized by the registered nurse in the delivery of patient care. **Prerequisite:** Valid California LVN license and completion of Physiology 1 and Microbiology 1 (with a grade of "C" or higher).

**NURS 70L CLIN SKILLS PRACTICE/ASSESS LAB**  0.5 Unit
Clinical skills practice lab provides framework for satisfying selected nursing content and skills offered during first year of associate degree nursing curriculum. Designed for LVN students desiring admission to Chabot Nursing Program with Advance Standing. **Corequisite:** Nursing 70.

**NURS 73 INTRAVENOUS THERAPY**  1.0 Unit
Safe administration and maintenance of intravenous therapy as a treatment modality. Differentiation of commonly used solutions, dosage calculation, vein selection and venipuncture techniques, recognition of and response to complications. Includes laboratory practice. **Prerequisite:** Satisfactory completion of all nursing courses in the first and second semesters of the nursing curriculum (Nursing 55, Nursing 56, Nursing 58, Nursing 59, Nursing 61, Nursing 69, Nursing 74, Nursing 75, Nursing 88 and Nursing 88L or their equivalents. Nursing 70 is a prerequisite for LVN's joining the program). Concurrent enrollment in the third or fourth semester of the nursing program (Nursing 60A, Nursing 60B and Nursing 64).

**NURS 81 OBSTETRICAL NURSING THEORY**  2.0 Units
Nursing interventions that assist the family with adaptation during the childbearing cycle including assessments and management of the mother and newborn during the ante-partal periods, emphasis on the involvement of the total family; reproductive related health care problems of women. **Prerequisite:** Nursing 55B (completed with a grade of "C" or higher).
PHOTOGRAPHY

PHOT 50  INTRODUCTION TO PHOTOGRAPHY  3.0 Units


D 20020  Lec  TR  3:00-3:50  906 HERTZ  08/19-12/20  OP 001
Lab  TR  4:00-5:00  906  08/19-12/20  OP
D 22355  Lec  MW  2:00-2:50  906 LOTHIAN  08/19-12/20  OP 002
Lab  MW  3:00-4:50  906  08/19-12/20  OP
E 21874  Lec  TR  7:00-7:50  906 HERTZ  08/19-12/20  OP 071
Lab  TR  8:00-9:50  906  08/19-12/20  OP

PHOT 62  PORTFOLIO WORKSHOP  3.0 Units


E 22356  Lec  TR  7:00-7:50  906 HERTZ  08/19-12/20  GR 071
Lab  TR  8:00-9:50  906  08/19-12/20  GR

PHYSICAL EDUCATION-ADAPTIVE

ADPE ADSF  ADAPTED STRETCH & FLEXIBILITY  1.0 Unit

This course is designed to give students with disabilities a chance to gain strength and mobility through a series of stretching and resistance exercise in an atmosphere of friendly encouragement. Long range goals are: increased mobility, increased strength and confidence in themselves so they can face their daily tasks with increased confidence. In some cases (strokes, accident rehabilitation) it may mean a return to almost normal lifestyles for some. Students will learn about training and prevention of metabolic syndrome through diet and exercise in this course. Property of: Students must have their personal physician’s approval to take this course and must be registered with the DSRC.

D 22461  Lec  TR  9:00-10:15  3200 SIROY  08/19-12/20  OP 001
E 22428  Lec  MW  10:30-11:45  3200 SIROY  08/19-12/20  OP 001

ADPE ADST  ADAPTED STRENGTH TRAINING  1.0 Unit

Designed to provide reasonable accommodations in resistance training to students with disabilities. Exercises emphasize muscular strength, muscular endurance, and flexibility. Additional topics will include: safety considerations, resistance training principles, and the role of exercise in overall wellness. Property of: Student must have their personal physician's approval to take this course and must be registered with the DSRC.

D 22400  Lec  TR  1:00-2:15  3200 SIROY  08/19-12/20  OP 001

PHYSICAL EDUCATION-ATHLETICS

ATHL FT1  INTERCOLLEGIATE FOOTBALL  2.0 Units

Training for intercollegiate competition. Students who desire to participate in intercollegiate athletics will be required to adhere to academic eligibility requirements listed in the CCCAA/COA manual, pass a physical examination by a licensed medical doctor and demonstrate an ability to safely participate in the specific regulations governing the specific intercollegiate be set forth by the Head Football Coach. Advisory: Student athlete must have prior high school experience and have talked with the head coach before enrolling in this course.

D 22400  Daily 4:00-5:50  FFLD CALCAGNO  08/19-12/20  OP 001

ATHL MB1  MEN’S INTERCOLLEGIATE BSKTB  1.0 Unit

Training for intercollegiate competition. Students who desire to participate in intercollegiate athletics will be required to adhere to academic eligibility requirements listed in the CCCAA/COA manual, pass a physical examination by a licensed medical doctor and demonstrate an ability to safely participate in the specific intercollegiate sport. Compliance with all rules/regulations governing the specific intercollegiate sport will also be required. Daily practice.

D 22478  Daily 3:00-3:50  2500 AYE  08/19-12/20  OP 001
Rehabilitation principles associated with the field of athletic training. Strong
KINE 2 INTRO TO ATHLETIC TRAINING 4.0 Units
- Introduces the student to basic taping skills, therapeutic modalities, and rehabilitation principles associated with the field of athletic training. Strong emphasis on injury prevention, recognition and management. Designed to be preparatory for a career in athletic training.
  - D 22449 Lec MW 9:00 10:15 2254 MILLER 08/19-12/20 OP 001
    - Tue 12:00 12:50 2901
    - By Arr 2.0 Hrs/Wk 2901 OP

KINE ASSE PHYSICAL FITNESS ASSESSMENTS 0.5 Unit
- Students will learn how to perform Physical Fitness Assessments on body composition, flexibility, muscular strength and endurance. Upon assessing fitness status students will develop an exercise prescription to maintain or improve their physical fitness level.
  - O 22470 By Arr 1.0 Hrs/Wk ONLINE VILCHE 08/19-12/20 OP 001
    - All aspects of this course may be taken online with the exception of the actual pre and post fitness assessments. In order to do so, students must have an email account, internet access and MS Word 97 (or later) before the first day of class. To begin, go to http://www.chabotcollege.edu/PE. For questions, call (510) 723-7840. All students must complete orientation online. Following orientation, students will select an appointment for the actual fitness assessment scheduled in room 4000. Assessment times are:
      - Tuesday, August 27, 1:00pm, Tuesday, August 27, 5:00pm, Tuesday, November 5, 1:00pm, Tuesday, November 5, 5:00pm, Thursday, November 7, 12:00pm.
KINE CS4 COLLEGE SUCCESS FOR ATHLETES 1.0 Unit
Aiding the student-athlete in developing realistic expectations of college, explore academic programs, and understand what is necessary to succeed in college while competing in an intercollegiate sport. Rules and regulations of the Commission on Athletics (COA), National Collegiate Athletic Association (NCAA), and the National Association of Intercollegiate Athletics (NAIA) will be defined. Eligibility and transferring to a four-year institution will be explored.
O 22448 By Arr 2.0 Hrs/Wk ONLINE Staff - P 08/19-10/18 OP 001
KINE CS4 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online.

KINE 14 INTRO HLTH/FITNESS DISABILITY 3.0 Units
Application of current health teachings to individuals and life. Physiological, psychological, and social perspectives of health. Emphasis on knowledge, attitudes and behaviors that will contribute to a healthy individual.
O 22471 By Arr 3.0 Hrs/Wk ONLINE GRACE 08/19-12/20 OP 001
KINE 14-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online.

PHYSICAL EDUCATION

PEAC HEAR BASIC HEART RATE TRAINING 1.0 Unit
Improvement of cardiovascular fitness through the use of a heart rate monitor. Use of a heart rate monitor, target heart rate training zones and adult type II diabetes prevention will be covered.
O 22397 By Arr 3.0 Hrs/Wk ONLINE GRACE 08/19-12/20 OP 001
HEAR-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online.

PEAC INSC INDOOR SOCCER/ FUTSOL 1.0 Unit
Emphasizes the fundamental skills and strategies of futsol. Offensive and defensive positions and basic team strategies will be addressed. No previous futsol experience is necessary.
D 22460 MW 9:00 10:15 2500 IGWE 08/19-12/20 OP 001

PEAC JD1 INTRODUCTION TO JAZZ DANCE 0.5 Unit
Introduction to Beginning Jazz Dance terminology, techniques, characteristics and dance routines.
D 22417 Fri 12:00 1:50 2728 ROAKE 08/19-12/20 OP 001

PEAC WAPO WATER POLO 1.5 Units
Designed to provide the student the opportunity to develop play, sportsmanship, and other social values are concomitant objectives. Students will learn about training and prevention of metabolic syndrome through diet and exercise in this course.
D 22447 Daily 3:00 3:50 POOL KUBICKI 08/19-12/20 OP 001

PEAC ARH1 ARCHERY 1 1.0 Unit
This beginning course in archery has an emphasis on safety, knowledge, and basic skill development in a variety of beginning archery activities.
D 22419 MW 10:30 11:45 AYFR IGWE 08/19-12/20 OP 001
D 22420 TR 10:30 11:45 AYFR IGWE 08/19-12/20 OP 002

PEAC BSK1 INTRODUCTION TO BASKETBALL 0.5 Unit
Designed to teach the basic skills and mechanics needed to successfully play the game of basketball.
D 22413 TR 9:00 11:30 2500 AYE 10/29-12/12 OP 001

PEAC FUN1 BEGINNING FUNCTIONAL TRAINING 1.0 Unit
This beginning course will develop strength and fat loss through a functional strength training program. Course is moderate to hard in intensity. Students will learn about training and prevention of metabolic syndrome through diet and exercise. Strongly recommended: Personal physician’s approval to exercise vigorously.
D 22488 MW 6:00 7:29 4051 Staff - P 08/19-12/20 P/N 001
D 22489 MW 7:30 8:59 4051 Staff - P 08/19-12/20 P/N 002
D 22490 MW 9:00 10:29 4051 Staff - P 08/19-12/20 P/N 003
D 22491 MW 10:30 11:59 4051 Staff - P 08/19-12/20 P/N 004
D 22492 MW 12:00 1:30 4051 Staff - P 08/19-12/20 P/N 005
D 22493 TR 6:00 7:29 4051 Staff - P 08/19-12/20 P/N 006
D 22494 TR 7:30 8:59 4051 Staff - P 08/19-12/20 P/N 007
D 22495 TR 9:00 10:29 4051 Staff - P 08/19-12/20 P/N 008
D 22496 TR 10:30 11:59 4051 Staff - P 08/19-12/20 P/N 009
D 22497 TR 12:00 1:30 4051 Staff - P 08/19-12/20 P/N 010
D 22498 Fri 9:00 10:29 4051 Staff - P 08/19-12/20 P/N 011
D 22499 Fri 10:30 12:00 4051 Staff - P 08/19-12/20 P/N 012
D 22500 Mon 4:30 7:30 4051 Staff - P 08/19-12/20 P/N 071
E 22501 Tue 4:30 7:30 4051 Staff - P 08/19-12/20 P/N 072
E 22502 Wed 4:30 7:30 4051 Staff - P 08/19-12/20 P/N 073
E 22503 R 4:30 7:30 4051 Staff - P 08/19-12/20 P/N 074
S 22504 Sat 7:30 10:30 4051 Staff - P 08/19-12/20 P/N 082

PEAC HIP1 INTRODUCTION TO HIP HOP DANCE 0.5 Unit
A dance class designed to teach students the fundamental dance steps and techniques of Beginning Hip-hop dance.
D 22414 Fri 2:00 3:30 2728 STAFF 08/19-12/20 OP 001

PEAC HTA1 HIPS, THIGHS AND ABS WORKOUT 1.0 Unit
This course is designed to reduce, tone and strengthen the buttocks and thigh region through exercises. Proper techniques for a variety of exercises for specific muscle groups will be presented.
D 22421 MW 7:30 8:45 2728 VILCHE 08/19-12/20 OP 001
D 22422 MW 9:00 10:15 2728 FRIEND 08/19-12/20 OP 002
D 22423 MW 10:30 11:45 2728 TAVIS 08/19-12/20 OP 003
D 22424 TR 7:30 8:45 2728 VILCHE 08/19-12/20 OP 002
D 22425 TR 9:00 10:15 2728 VILCHE 08/19-12/20 OP 004
D 22426 TR 10:30 11:45 2728 SAMMONS 08/19-12/20 OP 006
D 22427 Fri 9:00 11:50 2728 VILCHE 08/19-12/20 OP 007

PEAC JUD1 BEGINNING JUDO 1.0 Unit
Designed to teach beginning judo. Basic history, philosophy, techniques and safety aspects of judo will be covered.
D 22452 MW 9:00 10:15 2903 SIROY 08/19-12/20 OP 001

PEAC PIL1 INTRODUCTION TO PILATES 1.0 Unit
This course will enable the student to participate in Pilates exercise routines for body and mind fitness. Pilates develops a strong core or center of the body through body awareness, good posture and easy, graceful movement while improving flexibility, agility and economy of motion. Students will learn about training and prevention of metabolic syndrome through diet and exercise in this course. Corequisite: KINE PAD1 Student must also enroll in PEAC PAD1 if this is first PEAC course.
D 22454 MW 9:00 10:15 2903 SIROY 08/19-12/20 OP 001
D 22455 TR 7:30 8:45 2903 SIROY 08/19-12/20 OP 002
D 22456 TR 9:00 10:15 2903 SIROY 08/19-12/20 OP 003

PEAC SBM1 SS TRAINING / MEN’S BASKETBALL 1.5 Units
Designed to provide individual training for the intermediate level to highly competitive level male basketball player. There will be an emphasis on training, skills, basketball strategies.
D 22445 Daily 2:00 2:50 2500 AYE 08/19-12/20 OP 001
### PHYSICS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1A</td>
<td>INTRODUCTION TO PHYSICS I</td>
<td>4.0</td>
<td>Introduction to the major principles of mechanics and electricity using</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>precalculus mathematics. Includes Newtonian mechanics, energy, gravitation,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>fluids, thermodynamics, vibration waves, and electrostatics. Prerequisite:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mathematics 20 or 36, 37 or 38 (completed with a grade of “C” or higher).</td>
</tr>
<tr>
<td>PHYS 2A</td>
<td>INTRODUCTION TO PHYSICS II</td>
<td>4.0</td>
<td>Thermodynamics, electric fields, electric currents, magnetic fields, induced</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>currents, and alternating circuits. Prerequisite: Mathematics 1 (completed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>with a grade of “C” or higher). This course may require you to purchase</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>access to an online physics learning environment.</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>GENERAL PHYSICS I</td>
<td>5.0</td>
<td>Introduction to the principles of Newtonian mechanics using calculus as</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>needed. Vectors, kinematics, dynamics, energy, momentum, rotation,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>oscillations, gravitation, and fluids. Prerequisite: Mathematics 1 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mathematics 2 (both completed with a grade of “C” or higher).</td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>GENERAL PHYSICS II</td>
<td>5.0</td>
<td>Thermodynamics, electric fields, electric currents, magnetic fields, induced</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>currents, and alternating circuits. Prerequisite: Physics 4B and Mathematics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 (both completed with a grade of “C” or higher).</td>
</tr>
<tr>
<td>PHYS 4C</td>
<td>GENERAL PHYSICS III</td>
<td>5.0</td>
<td>Electromagnetic spectrum, including reflection, refraction, diffraction,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>interference, polarization, fluids, sound waves and thermodynamics.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Prerequisites: Physics 4B and Mathematics 3 (both completed with grade of</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>“C” or higher). This course may require you to purchase access to an online</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>physics learning environment.</td>
</tr>
</tbody>
</table>

### OTHER COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEAC SPM1</td>
<td>SPEED/ PLYO/ AGILITY FOR MEN</td>
<td>1.0</td>
<td>Designed to teach proficiency in the basic strokes of swimming.</td>
</tr>
<tr>
<td>PEAC SWM1</td>
<td>BEGINNING SWIMMING</td>
<td>1.0</td>
<td>Designed to teach proficiency in the basic strokes of swimming.</td>
</tr>
<tr>
<td>PEAC TBB1</td>
<td>TOURNAMENT BASEBALL LEAGUE</td>
<td>2.0</td>
<td>Designed for students to develop sport specific individual, group, and team</td>
</tr>
<tr>
<td>PEAC TEN1</td>
<td>INTRODUCTION TO TENNIS</td>
<td>1.0</td>
<td>Introduction to the game of tennis. The course will involve basic stroking</td>
</tr>
<tr>
<td>PEAC WEI1</td>
<td>INTRO TO WEIGHT TRAINING</td>
<td>1.0</td>
<td>Designed to teach the basic elements of weight training and prepare the</td>
</tr>
<tr>
<td>PEAC WLK1</td>
<td>WALKING FOR FITNESS</td>
<td>1.0</td>
<td>This course is for students of all fitness levels who would like to utilize</td>
</tr>
<tr>
<td>PEAC WOW1</td>
<td>WOMEN'S WEIGHT TRAINING</td>
<td>1.0</td>
<td>Designed to provide introductory information on physical fitness and strength</td>
</tr>
<tr>
<td>PEAC YOG1</td>
<td>INTRODUCTION TO YOGA</td>
<td>1.0</td>
<td>This course explores the basic principles of Hatha. This course explores the</td>
</tr>
</tbody>
</table>

---

**Fall 2013**

Chabot College • Summer/Fall 2013 Class Schedule  71  510.723.6600 • www.chabotcollege.edu
Committees, and planning and attending campus events. Students will attend and limited to, conducting and attending meetings, holding office hours, sitting on committees, and organizing and attending campus events. Strongly recommended: Eligibility for English 1A.

POS 10 SEMINAR COMPARATIVE POLITICS 3.0 Units
General introduction to a major subfield of comparative politics, or intensive exploration of a contemporary theme, topic, or region. Strongly recommended: Eligibility for English 1A.

PSY 1-EPN is an online PACE course with required on-campus meetings: Wednesday, 8:00-9:50 am, room 856; Aug 24; Sep 7; Oct 5; Nov 2; Dec 14. Enrollment is restricted to PACE Students. For information on the PACE Program, go to http://www.chabotcollege.edu/online

PSY 4 BRAIN, MIND AND BEHAVIOR 3.0 Units
This course introduces the scientific study of the brain and its mechanisms, and brain- biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, behavior relationships underlying the neurological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, neurological, developmental and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships, and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. 3 hours.

Prerequisite: PSY 1 Strongly recommended: ENGL 1A.

PSY 5 INTRODUCTORY STATISTICS 4.0 Units
Statistics as applied to the behavioral and social sciences. Topics include: descriptive and inferential statistics; measures of central tendency and variability; normal, t-test, and chi-square distributions; correlation, regression, ANOVA; probability and hypothesis testing. Emphasis on selection and interpretation of statistical analyses. Introduction to applications of computer statistical software to social science data. Prerequisite: MTH 35, MTH 35B, MTH 54, MTH 55, MTH 55L or MTH 55B with a grade of "C" or higher or an appropriate skill level demonstrated through the mathematics Assessment process. Strongly Recommended: ENGL 1A.

PSY 6 ABNORMAL PSYCHOLOGY 3.0 Units
An overview of the field of abnormal psychology. Introduces students to the major classifications of mental health disorders from the perspective of symptoms and behavior, causes, diagnosis and treatment. Examines historical, socio-cultural and contemporary understanding of mental illness. Includes disorders of mood, anxiety, psychosis, substance abuse, personality and other disorders in adults and children. Strongly recommended: Eligibility for English 1A.
PSY 8 HUMAN SEXUALITY 3.0 Units
Physiological and psychosocial aspects of sexual health in our contemporary society. Understanding the interrelationship of attitude and behavior as it relates to sexual well-being and sexual integrity. May not receive credit if Health 8 or Sociology 8 has been completed.
E 21466 Lec MW 1:30 2:45 557 DICKINSON 08/19-12/20 GR 071

PSY 12 LIFESPAN PSYCHOLOGY 3.0 Units
Introduction to the psychological, physiological, socio-cultural and socio-historical factors influencing development from conception through death. Emphasis on the process of normal development and its variations. Examination of theoretical models and research for practical application.
E 21467 Lec Tue 5:30 8:20 554 DICKINSON 08/19-12/20 GR 001

PSY 33 PERSONAL & SOCIAL ADJUSTMENT 3.0 Units
Personality and behavior theory, personality assessment, and techniques of increasing personal effectiveness; basic human nature and the development of human potentialities through genetic inheritance, maturation and learning in a physical and socio-cultural environment; dynamics of individual and group behavior, motivation, stress, adjustment and maladjustive behavior and group and individual interaction. Strongly recommended: English 1A or 52A.
E 22343 Lec Wed 6:30 10:00 856 GRIMM 09/04-12/11 GR EP1

PSYCHOLOGY-COUNSELING

PSYC 1 INTRO PSYC IN A MULTI-CULT ENV 3.0 Units
Intro to psychology-counseling theory, skills, techniques, and processes in working with individuals and/or groups. Multiculturalism in American society. Emphasis placed on issues and processes of a minority-majority environment. Includes review of demographics, social services, community agencies, and intervention programs. Fundamental counseling techniques, counseling theory and socio-cultural issues related to working in the "service provider" role. Strongly recommended: Eligibility for English 1A and completion of Psychology Counseling 13.
D 20548 Lec MW 12:00 1:15 805 TRIPP 08/19-12/20 OP A01

PSYC 2 INTRO CASE MGMT FOR HUMN SERV 3.0 Units
O 20720 By Arr 3.0 Hrs/Wk ONLINE HARBIN 08/19-12/20 OP ON1
PSYC 2-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

PSYC 4 MULTIEThNIC/CULTURAL COMMUNIC 3.0 Units
Exploration of intercultural and interethnic individual behavior in relationships and the communication between and within at least three of five cultural/ethnic groups in the United States: (1) African-Americans, (2) Asian-Americans, (3) Native/Indigenous Americans, (4) Pacific Islander-Americans, (5) Hispanic-Americans. Ethnic/cultural social norms influencing inter-personal communication. Antecedents of successful and failed inter-personal ethnic/cultural communication styles and increase understanding of these styles. Significant practice and discussion of individual/group communication styles. Development of individual communication styles between individuals in dominant and emerging subcultures that inhibit individual goal achievement. Use of social science methods of inquiry in interpersonal communication as it applies to successful functioning in and between individuals of different ethnic/cultural groups.
D 21816 Lec TR 10:30 11:45 1813 ACACIO 08/19-12/20 OP 001

PSYC 901 PERSONAL GROWTH I 1.0 Unit
Designed to provide academic and personal counseling to students with disabilities in a support group environment.
D 20276 Lec Mon 1:30 2:20 2408 ALLEN 08/19-12/20 P/N 001

PSYC 902 PERSONAL GROWTH II 1.0 Unit
Designed to provide academic and personal counseling to students with disabilities in a support group environment.
D 20277 Lec Tue 2:30 3:20 2408 ALLEN 08/19-12/20 P/N 001

PSYC 903 PERSONAL GROWTH III 1.0 Unit
Designed to provide academic and personal counseling to students with disabilities in a support group environment.
D 20756 Lec R 2:30 3:20 2408 ALLEN 08/19-12/20 P/N 001

PSYC 904 PERSONAL GROWTH IV 1.0 Unit
Designed to provide academic and personal counseling to students with disabilities in a support group environment.
E 20757 Lec Wed 5:00 5:50 2408 ALLEN 08/19-12/20 P/N 071

PSYC 10 CAREER AND EDUCATION PLANNING 2.0 Units
Exploration of the concept of educational/career planning focusing on personal career development through self-assessment, psychological testing, and individual counseling. Emphasis on clarification of individual interests, values, needs, and abilities and investigation of occupational opportunities in the world of work. Designed for those undecided or uncertain about their career and educational plans. May not receive credit if Psychology-Counseling 10A or 10B has been completed.
D 20142 Lec MW 10:30 11:20 1564 ALARCON 08/19-12/20 OP 001
D 20601 Lec TR 2:00 3:10 1609 GREENE 09/16-12/13 OP 002
O 22415 By Arr 3.0 Hrs/Wk ONLINE ASHRAF 08/19-12/20 GR ON1
PSYC 10-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

PSYC 11 INTERPERSONAL RELATIONSHIPS 2.0 Units
Exploration of behavior in interactions with others. Designed to improve interpersonal relationships for the benefit of academic, career, and personal development.
E 21082 Lec Mon 6:00 7:50 856 D ALOISIO 08/19-12/20 P/N 001

PSYC 13 MULTICULTURAL ISSUES/AMERICA 3.0 Units
Exploration of issues relating to the multicultural community in which we live. Focus on improving the individual’s understanding of other cultures and how those cultures impact the American lifestyle. Includes exploration of myths and misunderstandings. Discussion of four specific cultures or sub-cultures from the following groups: 1) African-American, 2) Asian-American, 3) Hispanic-American, 4) Native-American, 5) Middle Eastern-American, 6) European-American, 7) Gay/Lesbian American, 8) Disabled American.
D 20602 Lec Tue 1:00 3:50 805 ACACIO 08/19-12/20 OP A01

PSYC 15 COLLEGE STUDY SKILLS 2.0 Units
Review of study skill techniques for success in college. Time management, personal learning style, active listening, note-taking and test-taking strategies. Use of modeling, practice and evaluation of study skill techniques.
D 21004 Lec TR 8:00 9:10 554 PLAZA 09/16-12/13 OP E01
E 21444 Lec Wed 4:30 6:20 505 ASHRAF 08/19-12/20 OP 071
O 22418 By Arr 3.0 Hrs/Wk ONLINE ASHRAF 08/19-12/20 GR ON1
PSYC 15-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online
### REST 80  REAL ESTATE PRINCIPLES  
3.0 Units  
Real and personal property acquisition, ownership, estates in real property, joint tenancies, sales contracts, homesteads, deeds and taxes. Methods of financing, and regulation of the real estate business.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21347</td>
<td>Lec MW 6:00-7:15</td>
<td>405 MUMFORD</td>
<td></td>
<td>08/19-12/20 OP 071</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21156</td>
<td>By Arr 3.0 Hrs/Wk ONLINE MUMFORD</td>
<td></td>
<td></td>
<td>08/19-12/20 OP ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REST 80-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### REST 81A  LEGAL ASPECTS OF REAL ESTATE  
3.0 Units  
California law as applied to real estate problems; origin and sources of California real estate law; contracts in general; real estate contracts; law of agency and regulation of agents; classification of property; easements; acquisition and transfer of interests of property; methods and incidents of ownership; land description; recordation. Strongly recommended: Real Estate 80.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20531</td>
<td>By Arr 3.0 Hrs/Wk ONLINE MUMFORD</td>
<td></td>
<td></td>
<td>08/19-12/20 OP ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REST 81A-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### REST 82A  REAL ESTATE APPRAISAL  
3.0 Units  
Real Estate appraisals, the appraisal process, and approaches, methods, and techniques used to determine value of various types of property; current trends, neighborhood analysis, and preparing an appraisal report; emphasis on residential and single-unit property. Strongly recommended: Real Estate 80.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20466</td>
<td>By Arr 3.0 Hrs/Wk ONLINE MUMFORD</td>
<td></td>
<td></td>
<td>08/19-12/20 GR ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REST 82A-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### REST 83  REAL ESTATE FINANCE  
3.0 Units  
Financing transactions in the real estate business and in lending institutions; analysis of money markets, interest rates and real estate financing. Financing procedures, residential and commercial financing. Strongly recommended: Real Estate 80.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21316</td>
<td>By Arr 3.0 Hrs/Wk ONLINE MUMFORD</td>
<td></td>
<td></td>
<td>08/19-12/20 OP ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REST 83-ON1 is an online course with no required on-campus meetings. For important additional information, read the Online Course Information page toward the end of the schedule and go to http://www.chabotcollege.edu/online

### REST 84  REAL ESTATE PRACTICE  
3.0 Units  
Principles and practical techniques of operating a real estate business. Emphasis on daily activities of brokers and salesperson; introduction to appraising, exchanges, listings, advertising, financing, and marketing. Exchanges, specialized brokerage, property management, professional and public relations. Strongly recommended: Real Estate 80.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21157</td>
<td>By Arr 3.0 Hrs/Wk ONLINE MUMFORD</td>
<td></td>
<td></td>
<td>08/19-12/20 GR ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REST 84-ON1 is an online course, with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### REST 90  EXAM PREPARATION: CA LICENSING  
2.0 Units  
Real and personal property acquisition, ownership, estates in real property, joint tenancies, partnerships, sales contracts, homesteads, deeds and taxes. Methods of financing, real estate practices, and regulation of the real estate business.

S 21177 Lec Sat 8:30 12:45 405 MUMFORD 10/12-12/14 OP E82

### RELIGIOUS STUDIES

#### RELS 50  RELIGIONS OF THE WORLD  
3.0 Units  
Introduction to the study of religion by (1) surveying the world religions, stating basic principles of each as shown by fundamental scriptures, practices and works of art, highlighting underlying patterns, OR (2) exploring themes and concepts, using the world religions as examples. Themes may include: grace, sin, enlightenment, suffering, salvation.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>21497</td>
<td>Lec MW 10:30-11:45 1904 Staff - Fi</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22357</td>
<td>Lec Fri 9:00-11:50 805 SHANNON</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21108</td>
<td>By Arr 3.0 Hrs/Wk ONLINE Staff - Fi</td>
<td></td>
<td></td>
<td>08/19-12/20 GR ON1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RELS 50-ON1 is an online course with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online

### SERVICE LEARNING

#### SERV 85  LEARNING IN ACTION  
2.0-3.0 Units  
Placement in meaningful volunteer projects in community organizations or schools, approved by instructor and supervised by site supervisor. Introduction to practical skills and knowledge required to serve as effective volunteers or tutors. Discuss specific problems in the community (themes will vary by semester) and help conceptualize, design, and carry out service projects to address them. Class will meet one hour per week on campus for reflection and discussion of community issues, and students will serve at least 3 hours per week in community agencies or schools.

D 21059 Lec Tue 1:00-1:50 801 ZAPPA Lab By Arr 3.0 Hrs/Wk TBA 08/19-12/20 OP 001

### SIGN LANGUAGE

#### SL 64  ASL BEGINNING SIGN LANGUAGE  
3.0 Units  
Introduction to beginning communication skills through the language of sign, with a contrast with various other sign systems used throughout the United States. 

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20133</td>
<td>Lec MW 9:00-10:15 355 LOPEZ YANEZ</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21100</td>
<td>Lec MW 11:30-12:45 355 LOPEZ YANEZ</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20144</td>
<td>Lec MW 10:30-11:45 455 DADZIE</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 003</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20403</td>
<td>Lec TR 10:30-11:45 355 LOPEZ YANEZ</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20115</td>
<td>Lec TR 1:30-2:45 355 LOPEZ YANEZ</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 005</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22359</td>
<td>Lec MW 12:00-1:15 355 DADZIE</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20166</td>
<td>Lec Wed 6:30-7:45 355 DADZIE</td>
<td></td>
<td></td>
<td>08/19-12/20 GR 071</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Strongly recommended: American Sign Language (ASL). Introduction to an understanding of deafness and the deaf culture. Basic sign vocabulary, the manual alphabet, and a contrast with various other sign systems used throughout the United States.

Additional information, go to http://www.chabotcollege.edu/online
SL 65  ASL INTERMEDIATE SIGN LANGUAGE  3.0 Units
Further development of skills and knowledge learned in Beginning Sign Language 64, with emphasis on American Sign Language (ASL). Communication of vocabulary building, with emphasis on applying ASL characteristics for communication in phrases and culturally specific language. Prerequisite: Sign Language 64 (completed with a grade of “C” or higher).

D 20117 Lec  MW 10:30-11:45  355  LOPEZ YANEZ  08/19-12/20 GR  001
E 20278 Lec  Mon  6:30-9:20  355  VIALL  08/19-12/20 GR  071

SL 66  ADVANCED SIGN LANGUAGE  3.0 Units
Further development of American Sign Language (ASL) receptive/expressive skills and knowledge learned in Sign Language 65. Emphasis on conversational skills in functional situations, continued vocabulary expansion and knowledge of Deaf culture and the Deaf community. Prerequisite: Sign Language 65 (completed with a grade of “C” or higher).

D 21366 Lec  MW 10:30-11:45  355  LOPEZ ANEZ  08/19-12/20 GR  001

SOCIOLGY

SOCIOLGY 1  PRINCIPLES OF SOCIOLGY  3.0 Units
Designed to illuminate the way students see their social world. Uses a sociological perspective: scientific study of human interaction and society, with emphasis on impact of groups on social behavior. Includes the systematic examination of culture, socialization, social organization, social class, race, gender, deviance, social change and empirical methodology. These content areas are woven throughout the fabric of the course, particularly as they affect the lives of at least three of the following groups: African Americans, Latino Americans, Asian Americans, Native Americans, Middle Eastern Americans and/or women.

D 20730 Lec  MW 7:30-8:45  504  RICHARDSON  08/19-12/20 OP  A01
D 20731 Lec  MW 9:00-10:15  504  MENDOZA  08/19-12/20 OP  A02
D 20732 Lec  MW 10:30-11:45  504  MENDOZA  08/19-12/20 OP  A03
D 20736 Lec  TR 12:00-1:15  554  MENDOZA  08/19-12/20 OP  A04
D 22408 Lec  TR 7:30-8:45  504  AHMED  08/19-12/20 GR  A05
E 22041 Lec  TR 9:00-10:15  504  MENDOZA  08/19-12/20 OP  A06
D 20737 Lec  Fri  9:00-11:50  504  ROBINSON  08/19-12/20 OP  A07
E 20738 Lec  Tue  7:00-9:50  504  MENDOZA  08/19-12/20 OP  A71
E 20734 Lec  Wed  6:30-9:20  504  SAEED  08/19-12/20 OP  A72
E 20739 Lec  R  6:00-8:50  504  SAEED  08/19-12/20 OP  A73
O 20733 By Arr 3.0 Hrs/Wk  ONLINE GRANT  08/19-12/20 OP  AN1
O 20735 By Arr 3.0 Hrs/Wk  ONLINE TONG  08/19-12/20 OP  AN2
O 20744 By Arr 3.0 Hrs/Wk  ONLINE GRANT  08/19-12/20 OP  APN

O 20736 By Arr 3.0 Hrs/Wk  ONLINE GRANT  08/19-12/20 OP  A04
O 20737 By Arr 3.0 Hrs/Wk  ONLINE TONG  08/19-12/20 OP  A05
O 2074 By Arr 3.0 Hrs/Wk  ONLINE TONG  08/19-12/20 OP  A06

SCIENCE

SCIENCE 2  SOCIAL PROBLEMS  3.0 Units
Introduction to social problems common to modern industrial society, and the role of principal institutions in social organization and social disorganization. Strongly recommended: Psychology 1 or Anthropology 3.

D 20741 Lec  TR 10:30-11:45  504  MENDOZA  08/19-12/20 OP  A01

SCIENCE 3  CULTURAL AND RACIAL MINORITIES  3.0 Units
Analysis of Racial and ethnic relations in the United States. Includes race, ethnicity, prejudice, discrimination and stereotyping, as well as theories and patterns of intergroup relations. Focus on contemporary American minorities: African Americans, Chicano/Latinos, Asian Americans, and Native Americans. Strongly recommended: Sociology 1 or Anthropology 3 or Psychology 1.

D 20742 Lec  TR 9:00-10:15  554  AHMED  08/19-12/20 OP  A01

SCIENCE 4  MARRIAGE & FAMILY RELATIONS  3.0 Units
Sociological perspective of the family including mate selection, marital roles, marriage adjustment, sexual adjustment, child rearing, marital dissolution, and problems associated with the family in modern industrial society. Emphasis on methodology of family investigation.

O 20743 By Arr 3.0 Hrs/Wk  ONLINE TONG  08/19-12/20 OP  ON1
O 20744 By Arr 3.0 Hrs/Wk  ONLINE TONG  08/19-12/20 OP  A02

SOULS

SOULS 1A  BEGINNING SPANISH  5.0 Units
Introduction to the Spanish-speaking cultures of the world featuring the study and practice of the four language skills (listening, speaking, reading, and writing) of Spanish. Strongly recommended: Eligibility for English 1A.

D 21305 Lec  MTW 7:45-8:50  359  ZERENEO  08/19-12/20 OP  001
Lab R 11:00-11:50  352  BUENO  08/19-12/20 OP  002
Lab Wed  2:20-3:10  352  BUENO  08/19-12/20 OP  003
Lab Mon  11:30-12:20  352  FRENCH-RAFA  08/19-12/20 OP  004
Lab Tue  4:10-5:00  352  BUENO  08/19-12/20 OP  005
D 22042 Lec  MW 3:00-5:15  359  SOUTHARD  08/19-12/20 OP  006
Lab Mon  2:00-2:50  352  BUENO  08/19-12/20 OP  007
D 21356 Lec  TR 4:30-6:45  359  SALAMANCA  08/19-12/20 OP  008
Lab Tue  6:30-7:40  352  BUENO  08/19-12/20 OP  009
O 21357 Lec  TR 10:30-11:45  353  MOON  08/19-12/20 OP  ON1
Lab By Arr 3.0 Hrs/Wk  ONLINE GRANT  08/19-12/20 OP  ON2

SPA 1B  ELEMENTARY SPANISH  5.0 Units
Further study of Spanish-speaking cultures of the world featuring the acquisition of the four language skills (listening, speaking, reading, and writing) of Spanish begun in Spanish 1A. Prerequisite: Spanish 1A (completed with a grade of “C” or higher).

D 21430 Lec  TR 1:00-3:15  359  ZERENEO  08/19-12/20 OP  001
Lab Tue  12:00-12:50  352  BUENO  08/19-12/20 OP  002
D 21367 Lec  MW 12:00-2:15  855  ALFONSO  08/19-12/20 OP  003
Lab Wed  11:00-11:50  352  BUENO  08/19-12/20 OP  004
D 21498 By Arr 6.0 Hrs/Wk  ONLINE MOON  08/19-12/20 OP  ON3

SPA 1A-ON3 is an online course with no on-campus meetings. Students must have an email account and Internet access to login to Blackboard by the first day of class, Monday, August 19 to read the announcements and see course assignments. To begin, go to http://www.chabotcollege.edu/instructor for more information at cmoon@chabotcollege.edu

SPA 2A  INTERMEDIATE SPANISH  4.0 Units
Review of Grammar, reading of works of modern authors; practice in conversation and composition. Prerequisite: Spanish 1B (completed with a grade of “C” or higher).

D 21368 Lec  MW 9:00-10:50  359  ZERENEO  08/19-12/20 OP  001
Lab R 11:55-12:45  352  BUENO  08/19-12/20 OP  002

SPA 2B  ADVANCED SPANISH  4.0 Units
Reading of Hispanic authors; advanced review of grammar; emphasis on speaking and composition. Prerequisite: Spanish 2A (completed with a grade of “C” or higher).

D 21369 Lec  TR 9:00-10:50  359  ZERENEO  08/19-12/20 OP  000
Lab R 11:55-12:45  352  BUENO  08/19-12/20 OP  001
<table>
<thead>
<tr>
<th>CRN</th>
<th>Type Day(s)</th>
<th>Times</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>20819</td>
<td>Lec MW</td>
<td>9:00-10:15</td>
<td>1328</td>
<td>MCCLAIN</td>
<td>08/19-12/20</td>
<td>001</td>
<td>GR</td>
</tr>
<tr>
<td></td>
<td>Lab By Arr</td>
<td>1:00 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20820</td>
<td>Lec TR</td>
<td>9:00-10:15</td>
<td>1328</td>
<td>HALL-CALLEN</td>
<td>08/19-12/20</td>
<td>002</td>
<td>GR</td>
</tr>
<tr>
<td></td>
<td>Lab By Arr</td>
<td>1:00 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20818</td>
<td>Lec MW</td>
<td>10:30-11:45</td>
<td>1257</td>
<td>MULLENNIX</td>
<td>08/19-12/20</td>
<td>003</td>
<td>GR</td>
</tr>
<tr>
<td></td>
<td>Lab By Arr</td>
<td>1:00 Hrs/Wk</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**THTR 7 - VOICE FOR THE ACTOR** 3.0 Units

Development of the awareness of and access to the actors’ natural voice for performance in theatrical productions. Increase emotional availability and ability to communicate text clearly through relaxation, breath control and articulation. Understand theory and philosophy of vocal techniques.

D 21830 Lec MW 10:30-11:45 1328 AMAYO-HASSA 08/19-12/20 001

**THTR 8 - AUDITION TECHNIQUE** 3.0 Units

Work on monologues and showcase scenes, cold reading technique. Students with interest in pursuing acting beyond the community college setting will work on preparations to audition for theater, film and four year schools. Students will be expected to have a headshot taken at their own expense. Prerequisite: THTR 1 (completed with a grade of “C” or higher).

D 21843 Lec MW 12:00-1:15 1328 MULLENNIX 08/19-12/20 001
| Lab Mon | 1:30-2:20 | 1328 | GR |

**THTR 10 - INTRODUCTION TO THEATER ARTS** 3.0 Units

Focuses on the relationship of theater to various cultures throughout history, and on the contributions of significant individual artists. Introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theater through play reading, discussion, films, and viewing and critiquing live theater, including required attendance at theater productions.

D 20821 Lec TR 10:30-11:45 805 LE PELL 08/19-12/20 001

**THTR 16A - INTRO TO DRAMATIC WRITING** 3.0 Units

Introduction to the basic concepts of dramatic writing, including playwriting, screenwriting, radio plays, and electronic media scripts. This course focuses on character development, the qualities of believability and dialogue. Strongly recommended: Eligibility for ENGL 1A (completed with a grade of “C” or higher).

D 22564 Lec MW 12:00-1:15 558 LE PELL 08/19-12/20 001

**THTR 16B - BASICS OF DRAMATIC WRITING** 3.0 Units

This is a continuation of THTR 16A, with further exploration of modern dramatic writing forms. The course will focus on the completion of longer projects, including the 10-minute play and short film. Emphasis will be on dramatic tension and story-telling. Strongly recommended: ENGL 1A (completed with a grade of “C” or higher) Prerequisite: THTR 16A (completed with a grade of “C” or higher).

D 22565 Lec MW 12:00-1:15 558 LE PELL 08/19-12/20 001

**THTR 16C - INTERMEDIATE DRAMATIC WRITING** 3.0 Units

This is a continuation of THTR 16B, designed for students who wish to further develop their existing skills in dramatic writing. The emphasis of this course will be on developing longer works, with special attention to rising action and alternatives to Realism. Strongly recommended: ENGL 1A (completed with a grade of “C” or higher) Prerequisite: THTR 16B (completed with a grade of “C” or higher).

D 22566 Lec MW 12:00-1:15 558 LE PELL 08/19-12/20 001

**THTR 16D - ADVANCED DRAMATIC WRITING** 3.0 Units

This is a continuation of THTR 16C, providing a capstone experience for students as they explore writing in various dramatic forms. Students will focus on writing full-length pieces with emphasis on story, clarity and structure. Some plays may be submitted to regional competitions, with author permission. Strongly recommended: ENGL 1A (completed with a grade of “C” or higher) Prerequisite: THTR 16C (completed with a grade of “C” or higher).

D 22567 Lec MW 12:00-1:15 558 LE PELL 08/19-12/20 001

**THTR 30A - INTRODUCTION TO EMERGING WORK** 3.0 Units

Development of new plays for staged readings and/or productions. This class will develop and perform plays for an audience, with an emphasis on the evolution of the dramatic texts. Special projects, such as specific textural challenges, may be included.

D 22551 Lec TR 1:00-2:15 1257 LE PELL 08/19-12/20 001

**THTR 30B - BASICS OF EMERGING WORK** 3.0 Units

This is continuation of THTR 30A, the development of new plays and/or other special projects for production and/or readings. This course emphasizes character study and scene breakdown. Prerequisite: THTR 30A (completed with a grade of “C” or higher).

D 22552 Lec TR 1:00-2:15 1257 LE PELL 08/19-12/20 001

**THTR 30C - EMERGING WORK READING WKSHP** 3.0 Units

This is a continuation of THTR 30B, as students further their skills in the development of new dramatic material. This course emphasizes character development and story arc, culminating in the staged reading, the reading workshop. Prerequisite: THTR 30B (completed with a grade of “C” or higher).

D 22553 Lec TR 1:00-2:15 1257 LE PELL 08/19-12/20 001

**THTR 30D - EMERGING WORKSHOP PRODUCTION** 3.0 Units

This is the capstone course of the THTR 30 track, where students continue to hone their skills in the development of new work and/or other special projects for the stage. This course will emphasize an actual staged production near the end of the term, with instruction in student directing, stage management, elemental production values of lights, sound and costumes. Prerequisite: THTR 30C (completed with a grade of “C” or higher).

D 22554 Lec TR 1:00-2:15 1257 LE PELL 08/19-12/20 001

**THTR 47A - INTRO TO COLLEGE THTR ACTING** 3.0 Units

This course provides instruction and supervised participation in theater rehearsal and performance in main season production or project. Enrollment is for duration of the production. Enrollment by audition only.

D 22555 Lab MTWR 3:30-4:45 1328 AMAYO-HASSA 08/19-12/20 001

**THTR 47B - COLLEGE THEATER ACTING- BASICS** 3.0 Units

This is a continuation of THTR 47A, as students further their acting skills in a college production. This course emphasizes character development, along with objectives, actions and obstacles. Prerequisite: THTR 47A (completed with a grade of “C” or higher).

D 22556 Lab MTWR 3:30-4:45 1328 AMAYO-HASSA 08/19-12/20 001

**THTR 47C - COLLEGE THTR ACTING INTERM** 3.0 Units

This is a continuation of THTR 47B for furthering a student’s skill as an actor in a college production. Emphasis in this course will be on effective rehearsal techniques, generous responses, and ensemble building. Prerequisite: THTR 47B (completed with a grade of “C” or higher).

D 22557 Lab MTWR 3:30-4:45 1328 AMAYO-HASSA 08/19-12/20 001
This is a continuation of THTR 47C, further developing students' skills as actors in a college production. This course will emphasize the polish in performance, the evaluation of one's work, and the development of a personal, creative process. Prerequisite: THTR 47C (completed with a grade of "C" or higher).

D 22558 Lab MTWRF 3:30 - 4:45 1328 AMAYO-HASSA 08/19-12/20 GR 001

THTR 48A COLLEGE THEATER TECHNICAL 1.0-6.0 Units
Participation in scheduled productions as crew members and/or constructing its technical elements. Development of skills in the various technical areas involved in the presentation of a theatrical production.

E 22559 Lab TR 6:00 - 8:50 1340 Staff - Fi 08/19-12/20 GR 071
Lab Sat 11:00 - 4:50 1340

THTR 48B COLLEGE THEATER TECHNICAL II 1.0-6.0 Units
This is a continuation of THTR 48A. Participation in scheduled productions as crew members and/or constructing its technical elements. Continued application of skills in the various technical areas involved in the presentation of a theatrical production learned in THTR 48A. Prerequisite: THTR 48A (completed with a grade of "C" or higher).

E 22560 Lab R 6:00 - 8:50 1340 Staff - Fi 08/19-12/20 GR 071
Lab Sat 11:00 - 4:50 1340

THTR 48C COLLEGE THEATER TECHNICAL III 1.0-6.0 Units
This is a continuation of THTR 48B. Participation in scheduled productions as crew members and/or constructing its technical elements. Application of skills in the various technical areas involved in the presentation of a theatrical production learned in THTR 48B. Prerequisite: THTR 48B (completed with a grade of "C" or higher).

E 22561 Lab R 6:00 - 8:50 1340 Staff - Fi 08/19-12/20 GR 071
Lab Sat 11:00 - 4:50 1340

THTR 48D COLLEGE THEATER TECHNICAL IV 1.0-6.0 Units
This is the capstone course in the THTR 48 track. Participation in scheduled productions as crew members and/or constructing its technical elements. Application of leadership skills in the various technical areas involved in the presentation of a theatrical production. Prerequisite: THTR 48C (completed with a grade of "C" or higher).

E 22563 Lab R 6:00 - 8:50 1340 Staff - Fi 08/19-12/20 GR 071
Lab Sat 11:00 - 4:50 1340

THTR 50A INTRO TO THEATER MANAGEMENT 1.0-6.0 Units
This course is an introduction to the concepts involved in mounting a stage production, specific to various administrative tasks. This class will explore play selection, personnel, production meetings, organizational strategies, and budgeting, as well as publicity, promotions, and front-of-house duties, such as ushering, box office, and house management.

D 22570 Lec By Arr 1.0 Hrs/Wk 1103 LE PELL 08/19-12/20 GR 001
Lab By Arr 3.0 Hrs/Wk 1103

THTR 50B THEATER MANAGEMENT BASICS 1.0-6.0 Units
This is a continuation of THTR 50A, further developing skills in the management of a production. This course will emphasize the development of a marketing strategy for a specific project, as well as collaborating with other artists involved in the show. This class will also introduce budgeting and production timelines. Prerequisite: THTR 50A (completed with a grade of "C" or higher).

D 22571 Lec By Arr 1.0 Hrs/Wk 1103 LE PELL 08/19-12/20 GR 001
Lab By Arr 3.0 Hrs/Wk 1103

THTR 50C INTERMEDIATE THEATER MGMT 1.0-6.0 Units
This is a continuation of THTR 50A, further developing skills in the management of a production. This class will emphasize the design, fabrication and distribution of printed materials for all the shows, including posters, programs and other printed resources. Prerequisite: THTR 50B (completed with a grade of "C" or higher).

D 22572 Lec By Arr 1.0 Hrs/Wk 1103 LE PELL 08/19-12/20 GR 001
Lab By Arr 3.0 Hrs/Wk 1103
WELDING TECHNOLOGY

WELD 63  WELDING LAYOUT & FITTING  2.0 Units
Theoretical and practical applications of welding blueprints on welded assemblies and subassemblies. Welding power source identification and classification, welding process identification and selection, assessment of welding joint discontinuities and defects identified by the AWS standards and codes, techniques of stress and distortion control such as proper use of jigs, fixtures and holding devices, the use of welding sequences techniques to control welding distortion and the implementation of the correct methods of straightening and dimension restoration of finished products. Laboratory includes the use of the following welding processes: SMAW, GMAW, GTAW, and FCAW and plasma and fuel cutting practice. Strongly recommended: Welding Technology 64A, Welding Technology 65A and Industrial Technology 74.

D 21692 Lab Tue 8:30 10:45 1416 RAVEICA 08/19-12/20 GR 001
Lab Wed 8:30 10:45 1416 GR
Lab R 8:30 11:45 1416 GR

WELD 64A  BEG ARC/FLUX-CORE/BLUEPRINT  3.0 Units
Theory and practical application of Shielded Metal Arc Welding (SMAW) and Flux-Cored Arc Welding (FCAW) flame cutting, American Welding Society (AWS) nomenclature and codes, welding metallurgical transformations, welding discontinuities and defects, welding electrodes and wire selection, OSHA hazardous materials regulation, general shop equipment usage blueprint reading (as and maintenance, shop safety and applied in manufacturing industry). Strongly recommended: Welding Technology 70.

D 21692 Lab Tue 8:30 10:45 1416 RAVEICA 08/19-12/20 GR 001
Lab Wed 8:30 10:45 1416 GR
Lab Wed 11:00 11:50 1623 GR
Lab R 8:30 11:45 1416 GR

WELD 65A  BEG TIG/MIG/BLUEPRINT READING  3.0 Units
Theory and practical application of ferrous and non-ferrous metals and their alloys using GTAW (Gas Tungsten Arc Welding) and GMAW (Gas Metal Arc Welding) processes, oxyacetylene brazing, flame and plasma cutting skill development AWS (American Welding Society) codes and standards, supplies selection, introduction to blueprint reading, proper and safe use of welding equipment and hazardous material regulations. Strongly recommended: Welding Technology 70.

D 21692 Lab Mon 8:30 11:45 1416 RAVEICA 08/19-12/20 GR 001
Lab Wed 8:30 10:45 1416 GR
Lab Wed 11:00 11:50 1506 GR
E 21695 Lec Tue 6:30 7:20 1560 PLASENCIA 08/19-12/20 GR 071
Lab TR 7:30 10:20 1416 GR

WELD 67A  WELDING SKILLS LABORATORY  2.0 Units
Development and improvement practical welding skills using SMAW, FCAW, MIG, GMAW, and GRAW processes. Preparation for welding solidification in 1G, 2G and 2F positions. Strongly recommended: Welding Technology 64A.

D 21696 Lab Mon 8:30 11:45 1416 RAVEICA 08/19-12/20 GR 001
Lab Wed 8:30 10:45 1416 GR
D 21697 Lab MW 4:00 5:50 1416 RAVEICA 08/19-12/20 GR 002
Lab MW 6:00 6:50 1416 GR
D 21698 Lab Tue 8:30 10:45 1416 RAVEICA 08/19-12/20 GR 003
Lab R 8:30 11:45 1416 GR
E 21700 Lab TR 7:30 10:20 1416 PLASENCIA 08/19-12/20 GR 072
S 21701 Lab Sat 9:00 12:10 1416 RAVEICA 08/19-12/20 GR 082
Lab Sat 1:30 4:40 1416 GR

WELD 67B  ADV WELDING SKILLS LABORATORY  2.0 Units
Advanced development and improvement of practical welding skills using SMAW, FCAW, GMAW and GTAW in the 1G, 2G, 3G 4G, 1F, 2F, 3F and 4F positions. Strongly recommended: Welding Technology 64B and Welding Technology 65B or equivalent.

D 21702 Lab Mon 8:30 11:45 1416 RAVEICA 08/19-12/20 GR 001
Lab Wed 8:30 10:45 1416 GR
D 21703 Lab Tue 8:30 10:45 1416 RAVEICA 08/19-12/20 GR 002
Lab R 8:30 11:45 1416 GR
D 21704 Lab MW 4:00 6:50 1416 RAVEICA 08/19-12/20 GR 003
S 21705 Lab Sat 9:00 12:10 1416 RAVEICA 08/19-12/20 GR 082
Lab Sat 1:00 4:30 1416 GR

WELD 68  CERTIFICATION PREPARATION  0.5-2.0 Units
Welding process preparation for certification exams including the theory of American Welding Society D1.1, American Society of Mechanical Engineers Section IX, American Petroleum Institute 1104, includes laboratory practice in skills needed to take these exams.

D 21706 Lab Mon 8:30 11:45 1416 RAVEICA 08/19-12/20 OP 001
Lab Wed 8:30 10:45 1416 OP
D 21707 Lab Mon 4:00 6:50 1416 RAVEICA 08/19-12/20 OP 002
Lab Wed 4:00 6:50 1416 OP
D 21708 Lab Tue 8:30 10:45 1416 RAVEICA 08/19-12/20 OP 003
Lab R 8:30 11:45 1416 GR
E 21710 Lab TR 7:30 10:20 1416 PLASENCIA 08/19-12/20 OP 072
S 21711 Lab Sat 9:00 12:10 1416 RAVEICA 08/19-12/20 OP 082

WELD 69B  ADVANCED PIPE WELDING  3.0 Units
Advanced theory and practical application of pipe joint preparation and design, API (American Petroleum Institute) and AWS (American Welding Society) welding codes specifications for pipe and pipe fittings, geometric curve design for branched joint of piping systems, wire and electrodes selections, advanced welding blueprint and pipe welding symbols, SMAW, GMAW, and GTAW of pipe joints, metallurgical transformation of weld Heat Affected Area (HAA), welding discontinuities and defects, destructive and non-destructive testing, and methods of inspection and testing. Prerequisite: Welding Technology 69A or equivalent.

S 22336 Lec Sat 12:15 1:05 1560 RAVEICA 08/19-12/20 GR 001
Lab Sat 1:10 4:20 1416 GR
Lab Sat 9:00 12:10 1416 GR

WELD 70  INTRODUCTION TO WELDING  2.0 Units
Welding industry fundamentals including introduction to SMAW, GMAW, GTAW, FCAW processes, oxyacetylene and braze welding, plasma and fuel gas cutting, general shop equipment usage, welding electricity fundamentals, shop safety, identification of welding consumables, hazardous materials regulation, introduction to blueprint reading as applied in manufacturing industry.

D 22337 Lec Tue 12:00 12:50 1564 RAVEICA 08/19-12/20 OP 001
Lab Tue 1:00 3:50 1416 OP
S 21712 Lec Sat 7:45 8:50 1560 RAVEICA 08/19-12/20 OP 082
Lab Sat 9:00 12:10 1416 OP

WELD 71  WELDING FOR ARTISTS  2.0 Units
Welding essentials and conventional shop instruction and skills that artistically disposed individuals need to attain in order to proficiently perform in the artistic creation process. Provides instruction on types of metals (aluminum, iron, steel, cast iron, bronze, stainless steel, etc.), mechanical fastenings, cutting and permanent joining together of metals and alloys through welding processes such as; SMAW, GMAW, GTAW, FCAW, oxyacetylene and braze welding, plasma and fuel gas cutting, general shop equipment usage, welding electricity fundamentals, shop safety, welding consumable identification, and hazardous materials regulation.

E 21713 Lab Mon 4:00 6:50 1416 RAVEICA 08/19-12/20 OP 071
E 21715 Lec Mon 7:00 7:50 1506 GR 003
S 21714 Lec Sat 7:45 8:50 1560 RAVEICA 08/19-12/20 OP 082
Lab Sat 9:00 12:10 1416 OP

Chabot College • Summer/Fall 2013 Class Schedule 78  510.723.6600 • www.chabotcollege.edu
### WORK EXPERIENCE

**WEXP 95 WORK EXPERIENCE** 3.0 Units

College supervised on-the-job training. Paid or volunteer work experience including an internship, in an occupation related to student’s major or classes. Cooperative effort between student, supervisor, and instructor to accomplish new work objective and broaden experiences for each semester enrolled. **Corequisite:** Work Experience 96. 5-15 hours or more of paid employment per week or 4-12 hours of volunteer work per week.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 20464</td>
<td>By Arr 10.0 Hrs/Wk</td>
<td>TBA</td>
<td>PINKAS</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>001</td>
</tr>
</tbody>
</table>

**WEXP 96 WORK EXPERIENCE SEMINAR** 1.0 Unit

Provides the focal point for the coordination of the student's curriculum with college supervised employment/ volunteering in the student's major field. Emphasis on building strong working relationships with supervisor, subordinates and co-workers. Issues pertaining to the modern workplace. **Corequisite:** Work Experience 95.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type(s)</th>
<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
<th>Code</th>
<th>Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 20027</td>
<td>By Arr 1.0 Hrs/Wk</td>
<td>ONLINE</td>
<td>PINKAS</td>
<td>08/19-12/20</td>
<td>OP</td>
<td>ON1</td>
</tr>
</tbody>
</table>

*WEXP 96-ON1 is an online course with no required on-campus meetings. For important additional information, go to [http://www.chabotcollege.edu/online](http://www.chabotcollege.edu/online)*

### SUMMARY OF OFF-CAMPUS CLASSES

<table>
<thead>
<tr>
<th>CRN</th>
<th>TITLE &amp; SECTION</th>
<th>ROOM</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21859</td>
<td>APEL 9701 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>21860</td>
<td>APEL 9709 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>21861</td>
<td>APEL 9710 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>21862</td>
<td>APEL 9703 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>22121</td>
<td>APEL 9701 E02</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>22122</td>
<td>APEL 9702 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>22123</td>
<td>APEL 9705 E01</td>
<td>*102</td>
<td>ALAMEDA COUNTY ELECTRICAL JATC</td>
</tr>
<tr>
<td>22190</td>
<td>APRO 9706 E71</td>
<td>*211</td>
<td>EVERGREEN VALLEY COL -SAN JOSE</td>
</tr>
<tr>
<td>22191</td>
<td>APRO 9707 E71</td>
<td>*276</td>
<td>PHCC TRAINING FACILITY - SACTO</td>
</tr>
<tr>
<td>22192</td>
<td>APRO 9709 E71</td>
<td>*277</td>
<td>NELSON CENTER</td>
</tr>
<tr>
<td>22194</td>
<td>APRO 9709 E72</td>
<td>*189</td>
<td>IRCC TRAINING FAC - HAYWARD</td>
</tr>
<tr>
<td>22195</td>
<td>APRO 9705 E71</td>
<td>*210</td>
<td>PHCC TRAINING FAC - MARINA</td>
</tr>
<tr>
<td>20659</td>
<td>FT 52 001</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>20660</td>
<td>FT 52 ON1</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>20662</td>
<td>FT 90A E71</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>20663</td>
<td>FT 90B E71</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>20664</td>
<td>FT 90C E71</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>21844</td>
<td>FT 91D E71</td>
<td>*081</td>
<td>ALAMEDA CTY FIRE DPT TRAIN CTR</td>
</tr>
<tr>
<td>20430</td>
<td>NURS 55 001</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20431</td>
<td>NURS 55 002</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20471</td>
<td>NURS 59 001</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20475</td>
<td>NURS 60A 001</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20479</td>
<td>NURS 53 004</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20604</td>
<td>NURS 55 003</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
<tr>
<td>20715</td>
<td>NURS 55 VC1</td>
<td>*192</td>
<td>VALLEY CARE</td>
</tr>
<tr>
<td>20843</td>
<td>NURS 60A VC1</td>
<td>*192</td>
<td>VALLEY CARE</td>
</tr>
<tr>
<td>20883</td>
<td>NURS 73 EVC</td>
<td>*192</td>
<td>VALLEY CARE</td>
</tr>
<tr>
<td>21084</td>
<td>NURS 60A VC2</td>
<td>*192</td>
<td>VALLEY CARE</td>
</tr>
<tr>
<td>22329</td>
<td>NURS 60A 002</td>
<td>*060</td>
<td>LOCAL HOSPITALS</td>
</tr>
</tbody>
</table>

### SUMMARY OF SHORT-TERM AND LATE-START CLASSES

Refer to page 80 for a summarized list of short-term and late-start classes.

### SUMMARY OF ONLINE CLASSES

Refer to page 81 and 82 for a summarized list of online classes.
This is a summarized list of short-term and late-start classes for Fall 2013 semester. Refer to the class listings for greater class detail.

### AUGUST

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21041 ATEC 91 E01</td>
<td>Electrical Power Systems</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21042 BUS 81 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21043 BUS 82 E01</td>
<td>Marketing Principles</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21044 BUS 83 E01</td>
<td>Principles of Management</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21045 BUS 84 E01</td>
<td>Business Law</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21046 BUS 85 E01</td>
<td>Business Finance</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21047 BUS 86 E01</td>
<td>Business Statistics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21048 BUS 87 E01</td>
<td>Business Accounting</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21049 BUS 88 E01</td>
<td>Business Economics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
</tbody>
</table>

### SEPTEMBER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21050 BUS 50 E01</td>
<td>Intro to Business Administration</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21051 BUS 51 E01</td>
<td>Business Communication</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21052 BUS 52 E01</td>
<td>Business Information Systems</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21053 BUS 53 E01</td>
<td>Business Computer Applications</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21054 BUS 54 E01</td>
<td>Business Marketing</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21055 BUS 55 E01</td>
<td>Business Management</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21056 BUS 56 E01</td>
<td>Business Entrepreneurship</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21057 BUS 57 E01</td>
<td>Business Law</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21058 BUS 58 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21059 BUS 59 E01</td>
<td>Business Economics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21060 BUS 60 E01</td>
<td>Business Accounting</td>
<td>09/15-10/11</td>
<td></td>
</tr>
</tbody>
</table>

### OCTOBER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21061 BUS 61 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21062 BUS 62 E01</td>
<td>Business Communication</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21063 BUS 63 E01</td>
<td>Business Information Systems</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21064 BUS 64 E01</td>
<td>Business Computer Applications</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21065 BUS 65 E01</td>
<td>Business Marketing</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21066 BUS 66 E01</td>
<td>Business Management</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21067 BUS 67 E01</td>
<td>Business Entrepreneurship</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21068 BUS 68 E01</td>
<td>Business Law</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21069 BUS 69 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21070 BUS 70 E01</td>
<td>Business Economics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21071 BUS 71 E01</td>
<td>Business Accounting</td>
<td>09/15-10/11</td>
<td></td>
</tr>
</tbody>
</table>

### NOVEMBER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21072 BUS 72 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21073 BUS 73 E01</td>
<td>Business Communication</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21074 BUS 74 E01</td>
<td>Business Information Systems</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21075 BUS 75 E01</td>
<td>Business Computer Applications</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21076 BUS 76 E01</td>
<td>Business Marketing</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21077 BUS 77 E01</td>
<td>Business Management</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21078 BUS 78 E01</td>
<td>Business Entrepreneurship</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21079 BUS 79 E01</td>
<td>Business Law</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21080 BUS 80 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21081 BUS 81 E01</td>
<td>Business Economics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21082 BUS 82 E01</td>
<td>Business Accounting</td>
<td>09/15-10/11</td>
<td></td>
</tr>
</tbody>
</table>

### DECEMBER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>21083 BUS 83 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21084 BUS 84 E01</td>
<td>Business Communication</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21085 BUS 85 E01</td>
<td>Business Information Systems</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21086 BUS 86 E01</td>
<td>Business Computer Applications</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21087 BUS 87 E01</td>
<td>Business Marketing</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21088 BUS 88 E01</td>
<td>Business Management</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21089 BUS 89 E01</td>
<td>Business Entrepreneurship</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21090 BUS 90 E01</td>
<td>Business Law</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21091 BUS 91 E01</td>
<td>Business Ethics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21092 BUS 92 E01</td>
<td>Business Economics</td>
<td>09/15-10/11</td>
<td></td>
</tr>
<tr>
<td>21093 BUS 93 E01</td>
<td>Business Accounting</td>
<td>09/15-10/11</td>
<td></td>
</tr>
</tbody>
</table>
This is a summarized list of online classes for Summer and Fall 2013 semesters. Refer to the class listings for greater class detail.

### SUMMER 2013

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>10362</td>
<td>BUS 8 EN1 Payroll Accounting</td>
</tr>
<tr>
<td>10363</td>
<td>BUS 22 EN1 Intro to Management</td>
</tr>
<tr>
<td>10370</td>
<td>BUS 7 EN1 Accounting for Small Business</td>
</tr>
<tr>
<td>10051</td>
<td>BUS 10 EN1 Business Law</td>
</tr>
<tr>
<td>10066</td>
<td>BUS 1A EN1 Financial Accounting</td>
</tr>
<tr>
<td>10097</td>
<td>BUS 1B EN1 Managerial Accounting</td>
</tr>
<tr>
<td>10098</td>
<td>BUS 12 EN1 Intro to Business</td>
</tr>
<tr>
<td>10105</td>
<td>BUS 1A EN2 Financial Accounting</td>
</tr>
<tr>
<td>10128</td>
<td>BUS 1B EN2 Managerial Accounting</td>
</tr>
<tr>
<td>10218</td>
<td>BUS 14 EN1 Business Communications</td>
</tr>
<tr>
<td>10364</td>
<td>CAS 54A EN1 Microsoft Excel I</td>
</tr>
<tr>
<td>10086</td>
<td>CAS 50 EN1 Intro to Computer Appl Systems</td>
</tr>
<tr>
<td>10172</td>
<td>CAS 92B EN1 Network Sm to Med Bus or ISP</td>
</tr>
<tr>
<td>10173</td>
<td>CAS 92C EN1 Routing &amp; Switch in Enterprise</td>
</tr>
<tr>
<td>10174</td>
<td>CAS 92D EN1 Designing &amp; Supp Comp Networks</td>
</tr>
<tr>
<td>10196</td>
<td>CHEM 10 61 Introduction to Chemistry</td>
</tr>
<tr>
<td>10371</td>
<td>ECD 50 ON1 ECD Principles and Practices</td>
</tr>
<tr>
<td>10212</td>
<td>ECD 56 ON1 Child Growth and Development</td>
</tr>
<tr>
<td>10305</td>
<td>ENGL 1A ON1 Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>10127</td>
<td>ENGL 4 ON1 Critical Think/Write Lit</td>
</tr>
<tr>
<td>10194</td>
<td>ESY 60 EN1 Electronic Systems Analysis</td>
</tr>
<tr>
<td>10203</td>
<td>ESY 52 EN1 ESY Measurements/Troubleshootg</td>
</tr>
<tr>
<td>10204</td>
<td>ESY 56A EN1 Electronic Power Systems I</td>
</tr>
<tr>
<td>10205</td>
<td>ESY 58 EN1 Wireless Communication Systems</td>
</tr>
<tr>
<td>10175</td>
<td>FRNC 1A ON1 Beginning French</td>
</tr>
<tr>
<td>10112</td>
<td>HIS 7 AN1 US History Through Reconstruct</td>
</tr>
<tr>
<td>10114</td>
<td>HIS 12 ONP History of California</td>
</tr>
<tr>
<td>10085</td>
<td>HLTH 1 EN1 Introduction to Health</td>
</tr>
<tr>
<td>10123</td>
<td>HLTH 1 EN2 Introduction to Health</td>
</tr>
<tr>
<td>10223</td>
<td>MUSL 3 ON1 World Music</td>
</tr>
<tr>
<td>10313</td>
<td>PHED 57 ON1 Nutrition for Fitness/Fat Loss</td>
</tr>
<tr>
<td>10312</td>
<td>PHED 18 ON1 Health/Fitness for your Disabi</td>
</tr>
<tr>
<td>10094</td>
<td>PHSI 1 61 Human Physiology</td>
</tr>
<tr>
<td>10167</td>
<td>POSC 1 EN1 Intro to American Government</td>
</tr>
<tr>
<td>10348</td>
<td>PSY 1 81 General Psychology</td>
</tr>
<tr>
<td>10185</td>
<td>PSY 1 EN1 General Psychology</td>
</tr>
<tr>
<td>10067</td>
<td>REST 84 EN1 Real Estate Practice</td>
</tr>
<tr>
<td>10146</td>
<td>REST 80 EN1 Real Estate Principles</td>
</tr>
<tr>
<td>10309</td>
<td>SPA 1A ON2 Beginning Spanish</td>
</tr>
<tr>
<td>10180</td>
<td>SPA 1A ON1 Beginning Spanish</td>
</tr>
</tbody>
</table>

### FALL 2013

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>20472</td>
<td>CHEM 10 ON1 Introduction to Chemistry</td>
</tr>
<tr>
<td>22525</td>
<td>CNT 83A EN1 IT Essentials: PC H &amp; Software</td>
</tr>
<tr>
<td>22526</td>
<td>CNT 83B EN1 IT Essentials: PC Hard/Soft II</td>
</tr>
<tr>
<td>22527</td>
<td>CNT 82A EN1 Networking for Home &amp; Sm Bus</td>
</tr>
<tr>
<td>22528</td>
<td>CNT 82A EN2 Networking for Home &amp; Sm Bus</td>
</tr>
<tr>
<td>22529</td>
<td>CNT 82B EN1 Networking Sm to Med Bus/ ISP</td>
</tr>
<tr>
<td>22530</td>
<td>CNT 82B EN2 Networking Sm to Med Bus/ ISP</td>
</tr>
<tr>
<td>22531</td>
<td>CNT 82C EN1 Routing &amp; Switching in the Ent</td>
</tr>
<tr>
<td>22532</td>
<td>CNT 82C EN2 Routing &amp; Switching in the Ent</td>
</tr>
<tr>
<td>22533</td>
<td>CNT 82D EN1 Design &amp; Support Comp Net</td>
</tr>
<tr>
<td>22534</td>
<td>CNT 82D EN2 Design &amp; Support Comp Net</td>
</tr>
</tbody>
</table>

Registering for online or hybrid classes is the same process as for traditional classes. You need daily access to a computer with an Internet connection to take an online or hybrid class. If you have not taken an online class before, be sure to check the list of computer requirements and software needs before registering. (List available online at [www.chabotcollege.edu/online/](http://www.chabotcollege.edu/online/). On the first day of your class, log into Blackboard to begin. Be sure to attend any required meetings on campus as well. An instructor may drop students who miss the first meeting of a class. Instructors also may drop students who do not log into a Blackboard class site or complete assigned activities by the third day of classes.
### FALL 2013 (continued)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>21916</td>
<td>COMM 1 ON1</td>
<td></td>
<td>Fundamentals of Speech Comm</td>
</tr>
<tr>
<td>20799</td>
<td>CSCI 8 ON2</td>
<td></td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>20451</td>
<td>CSCI 8 ON1</td>
<td></td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>22405</td>
<td>ECD 54 ON1</td>
<td></td>
<td>Child Health/Safety/Nutrition</td>
</tr>
<tr>
<td>20825</td>
<td>ECD 50 ON1</td>
<td></td>
<td>ECD Principles and Practices</td>
</tr>
<tr>
<td>21754</td>
<td>ECD 56 ON1</td>
<td></td>
<td>Child Growth and Development</td>
</tr>
<tr>
<td>20355</td>
<td>ECD 95 ON1</td>
<td></td>
<td>Work Experience</td>
</tr>
<tr>
<td>20536</td>
<td>ECD 96 ON1</td>
<td></td>
<td>Work Experience Seminar</td>
</tr>
<tr>
<td>22307</td>
<td>ENGL 1A ON4</td>
<td></td>
<td>Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>20844</td>
<td>ENGL 1A ON3</td>
<td></td>
<td>Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>21224</td>
<td>ENGL 4 ON2</td>
<td></td>
<td>Critical Think/Write Lite</td>
</tr>
<tr>
<td>20533</td>
<td>ENGL 7 ON2</td>
<td></td>
<td>Critical Think/Write Across</td>
</tr>
<tr>
<td>21359</td>
<td>ENGL 4 OPN</td>
<td></td>
<td>Critical Think/Write Lite</td>
</tr>
<tr>
<td>20792</td>
<td>ENGL 7 ON1</td>
<td></td>
<td>Critical Think/Write Across</td>
</tr>
<tr>
<td>20185</td>
<td>ENGL 1A ON1</td>
<td></td>
<td>Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>20283</td>
<td>ENGL 4 ON1</td>
<td></td>
<td>Critical Think/Write Lite</td>
</tr>
<tr>
<td>20319</td>
<td>ENGL 1A ON2</td>
<td></td>
<td>Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>20235</td>
<td>ENGL 1A OPN</td>
<td></td>
<td>Critical Reading &amp; Composition</td>
</tr>
<tr>
<td>21664</td>
<td>ENTR 1 ON1</td>
<td></td>
<td>Intro to Entrepreneurship</td>
</tr>
<tr>
<td>21665</td>
<td>ENTR 10 ON1</td>
<td></td>
<td>Identify/Analyze New Bus Opps</td>
</tr>
<tr>
<td>22147</td>
<td>ENTR 20 EN1</td>
<td></td>
<td>Marketing for Entrepreneurs</td>
</tr>
<tr>
<td>22536</td>
<td>ESYS 72A EN1</td>
<td></td>
<td>Networking for Home &amp; Sm Bus</td>
</tr>
<tr>
<td>22537</td>
<td>ESYS 72A EN2</td>
<td></td>
<td>Networking for Home &amp; Sm Bus</td>
</tr>
<tr>
<td>22538</td>
<td>ESYS 72B EN1</td>
<td></td>
<td>Networking to Med Bus/ISP</td>
</tr>
<tr>
<td>22539</td>
<td>ESYS 72B EN2</td>
<td></td>
<td>Networking to Med Bus/ISP</td>
</tr>
<tr>
<td>22540</td>
<td>ESYS 72C EN1</td>
<td></td>
<td>Routing &amp; Switching in the Ent</td>
</tr>
<tr>
<td>22541</td>
<td>ESYS 72C EN2</td>
<td></td>
<td>Routing &amp; Switching in the Ent</td>
</tr>
<tr>
<td>22542</td>
<td>ESYS 72D EN1</td>
<td></td>
<td>Design &amp; Support Comp Net</td>
</tr>
<tr>
<td>22543</td>
<td>ESYS 72D EN2</td>
<td></td>
<td>Design &amp; Support Comp Net</td>
</tr>
<tr>
<td>22332</td>
<td>ESYS 54 EN1</td>
<td></td>
<td>Analog Circuits/Semicondtr Dvc</td>
</tr>
<tr>
<td>21484</td>
<td>ESYS 56A EN1</td>
<td></td>
<td>Electronic Power Systems I</td>
</tr>
<tr>
<td>21485</td>
<td>ESYS 56B EN1</td>
<td></td>
<td>Electronic Power Systems II</td>
</tr>
<tr>
<td>21486</td>
<td>ESYS 57A EN1</td>
<td></td>
<td>Process Control Systems</td>
</tr>
<tr>
<td>21487</td>
<td>ESYS 57B EN1</td>
<td></td>
<td>PLC and Robotic Sys Components</td>
</tr>
<tr>
<td>21489</td>
<td>ESYS 58 EN1</td>
<td></td>
<td>Wireless Communication Systems</td>
</tr>
<tr>
<td>21864</td>
<td>ESYS 62 EN1</td>
<td></td>
<td>Home Technology Systems</td>
</tr>
<tr>
<td>21865</td>
<td>ESYS 63A EN1</td>
<td></td>
<td>IT Essentials: PC Hard/Soft I</td>
</tr>
<tr>
<td>21866</td>
<td>ESYS 63B EN1</td>
<td></td>
<td>IT Essentials: PC Hard/Soft II</td>
</tr>
<tr>
<td>21348</td>
<td>ESYS 50 EN1</td>
<td></td>
<td>Intro-Electronic Systems Tech</td>
</tr>
<tr>
<td>21349</td>
<td>ESYS 50 EN2</td>
<td></td>
<td>Intro-Electronic Systems Tech</td>
</tr>
<tr>
<td>21350</td>
<td>ESYS 51 EN1</td>
<td></td>
<td>Fabrication Techniques</td>
</tr>
<tr>
<td>21362</td>
<td>FRNC 1B ON1</td>
<td></td>
<td>Elementary French</td>
</tr>
<tr>
<td>21365</td>
<td>FRNC 1A ON1</td>
<td></td>
<td>Beginning French</td>
</tr>
<tr>
<td>20660</td>
<td>FT 52 ON1</td>
<td></td>
<td>Firefighter Safety &amp; Survival</td>
</tr>
<tr>
<td>21445</td>
<td>HIS 2 ET1</td>
<td></td>
<td>Western Civilization Since 1600</td>
</tr>
<tr>
<td>20967</td>
<td>HIS 7 AN2</td>
<td></td>
<td>US History Through Reconstruct</td>
</tr>
<tr>
<td>20973</td>
<td>HIS 7 AN1</td>
<td></td>
<td>US History Through Reconstruct</td>
</tr>
<tr>
<td>20976</td>
<td>HIS 8 AN2</td>
<td></td>
<td>US History Post-Reconstruct</td>
</tr>
<tr>
<td>20985</td>
<td>HIS 8 AN3</td>
<td></td>
<td>US History Post-Reconstruct</td>
</tr>
<tr>
<td>20989</td>
<td>HIS 12 AN1</td>
<td></td>
<td>History of California</td>
</tr>
<tr>
<td>21016</td>
<td>HIS 7 APN</td>
<td></td>
<td>US History Through Reconstruct</td>
</tr>
<tr>
<td>22105</td>
<td>HIS 8 AN4</td>
<td></td>
<td>US History Post-Reconstruct</td>
</tr>
<tr>
<td>21173</td>
<td>HIS 8 AN1</td>
<td></td>
<td>US History Post-Reconstruct</td>
</tr>
<tr>
<td>21888</td>
<td>HLTH 1 ON3</td>
<td></td>
<td>Introduction to Health</td>
</tr>
<tr>
<td>21889</td>
<td>HLTH 8 ON1</td>
<td></td>
<td>Human Sexuality</td>
</tr>
<tr>
<td>21912</td>
<td>HLTH 4 OPN</td>
<td></td>
<td>Women and Health</td>
</tr>
<tr>
<td>20928</td>
<td>HLTH 1 ON1</td>
<td></td>
<td>Introduction to Health</td>
</tr>
<tr>
<td>20929</td>
<td>HLTH 1 ON2</td>
<td></td>
<td>Introduction to Health</td>
</tr>
<tr>
<td>21438</td>
<td>HUMN 65 ON1</td>
<td></td>
<td>The American Style</td>
</tr>
<tr>
<td>22448</td>
<td>KINE CSA EN1</td>
<td></td>
<td>College Success for Athletes</td>
</tr>
<tr>
<td>22470</td>
<td>KINE ASSE ON1</td>
<td></td>
<td>Physical Fitness Assessments</td>
</tr>
<tr>
<td>22471</td>
<td>KINE 14 ON1</td>
<td></td>
<td>Intro Hlth/Fitness Disability</td>
</tr>
<tr>
<td>22481</td>
<td>KINE 15 ON1</td>
<td></td>
<td>Intro tp Personal Fit Training</td>
</tr>
<tr>
<td>22352</td>
<td>MUSL 3 EN1</td>
<td></td>
<td>World Music</td>
</tr>
<tr>
<td>21172</td>
<td>MUSL 1 EN2</td>
<td></td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>20023</td>
<td>MUSL 1 EN1</td>
<td></td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>20432</td>
<td>MUSL 1 EN2</td>
<td></td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>21289</td>
<td>NUTR 1 ON1</td>
<td></td>
<td>The Science of Nutrition</td>
</tr>
<tr>
<td>22397</td>
<td>PEACHEAR ON1</td>
<td></td>
<td>Basic Heart Rate Training</td>
</tr>
<tr>
<td>21105</td>
<td>PHIL 60 ON1</td>
<td></td>
<td>Intro to Phil: Ethics</td>
</tr>
<tr>
<td>20803</td>
<td>PHSI 1 ON1</td>
<td></td>
<td>Human Physiology</td>
</tr>
<tr>
<td>21675</td>
<td>POSC 1 ON1</td>
<td></td>
<td>Intro to American Government</td>
</tr>
<tr>
<td>21676</td>
<td>POSC 1 ON2</td>
<td></td>
<td>Intro to American Government</td>
</tr>
<tr>
<td>22415</td>
<td>PSCN 10 ON1</td>
<td></td>
<td>Career and Education Planning</td>
</tr>
<tr>
<td>22418</td>
<td>PSCN 15 ON1</td>
<td></td>
<td>College Study Skills</td>
</tr>
<tr>
<td>20720</td>
<td>PSCN 2 ON1</td>
<td></td>
<td>Intro Case Mgmt for Humn Serv</td>
</tr>
<tr>
<td>21455</td>
<td>PSY 1 EN6</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21458</td>
<td>PSY 1 EN1</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21460</td>
<td>PSY 1 EN2</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21461</td>
<td>PSY 1 EN3</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21462</td>
<td>PSY 1 EN4</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21463</td>
<td>PSY 1 EN5</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21488</td>
<td>PSY 1 EPN</td>
<td></td>
<td>General Psychology</td>
</tr>
<tr>
<td>21108</td>
<td>RELS 50 ON1</td>
<td></td>
<td>Religions of the World</td>
</tr>
<tr>
<td>21156</td>
<td>REST 80 ON1</td>
<td></td>
<td>Real Estate Principles</td>
</tr>
<tr>
<td>21157</td>
<td>REST 84 ON1</td>
<td></td>
<td>Real Estate Practice</td>
</tr>
<tr>
<td>21336</td>
<td>REST 83 ON1</td>
<td></td>
<td>Real Estate Finance</td>
</tr>
<tr>
<td>20531</td>
<td>REST 81A ON1</td>
<td></td>
<td>Legal Aspects of Real Estate</td>
</tr>
<tr>
<td>20466</td>
<td>REST 82A ON1</td>
<td></td>
<td>Real Estate Appraisal</td>
</tr>
<tr>
<td>20744</td>
<td>SOCI 1 APN</td>
<td></td>
<td>Principles of Sociology</td>
</tr>
<tr>
<td>22331</td>
<td>SPA 1A ON3</td>
<td></td>
<td>Beginning Spanish</td>
</tr>
<tr>
<td>21498</td>
<td>SPA 1B ON1</td>
<td></td>
<td>Elementary Spanish</td>
</tr>
<tr>
<td>21302</td>
<td>SPA 1A ON2</td>
<td></td>
<td>Beginning Spanish</td>
</tr>
<tr>
<td>21357</td>
<td>SPA 1A ON1</td>
<td></td>
<td>Beginning Spanish</td>
</tr>
<tr>
<td>20027</td>
<td>WEXP 96 ON1</td>
<td></td>
<td>Work Experience Seminar</td>
</tr>
</tbody>
</table>

This is a summarized list of online classes Fall 2013 semester. Refer to the class listings for greater class detail.

FOR MORE INFORMATION, GO TO: [WWW.CHABOTCOLLEGE.EDU/ONLINE](http://www.chabotcollege.edu/online)
LEARNING COMMUNITIES

DISABLED STUDENTS PROGRAM AND SERVICES (DSPS)

DSPS offer students with disabilities a variety of courses in English, Computer Application Systems, Psychology-Counseling and Physical Education as listed below. It also encompasses the Disabled Students Resource Center, which provides academic, personal, career and support service counseling for students with physical, communicative, psychological and learning disabilities. The program is open to all eligible students. For more information, call 510.723.6725 or visit the office in Building 2400. See below for Summer and Fall 2013 class offerings.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
<th>CRN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 116</td>
<td>Learning Skills/Diagnostic Clinic</td>
<td>1 UNIT</td>
<td>10054 10055</td>
</tr>
<tr>
<td>CAS 100</td>
<td>Adapted Computer Keyboarding</td>
<td>3 UNITS</td>
<td>20750</td>
</tr>
<tr>
<td>CAS 101</td>
<td>Adapted Word Processing</td>
<td>3 UNITS</td>
<td>20751</td>
</tr>
<tr>
<td>CAS 102</td>
<td>Intro to Assistive Technology</td>
<td>1 to 3 UNITS</td>
<td>20752 21683 21684</td>
</tr>
<tr>
<td>CAS 103</td>
<td>Assistive Technology Lab</td>
<td>1 UNIT</td>
<td>20753</td>
</tr>
<tr>
<td>ENGL 116</td>
<td>Learning Skills/Diagnostic Clinic</td>
<td>1 UNIT</td>
<td>20191 20192 20193 20194 20553 21074</td>
</tr>
<tr>
<td>ENGL 117</td>
<td>Learning Skills Reading</td>
<td>4 UNITS</td>
<td>20195</td>
</tr>
<tr>
<td>ENGL 118A</td>
<td>Learning Skills: Read/Write</td>
<td>3 UNITS</td>
<td>20366 20367</td>
</tr>
<tr>
<td>ENGL 118B</td>
<td>Learning Skills: Read/Write</td>
<td>3 UNITS</td>
<td>20368</td>
</tr>
<tr>
<td>ENGL 119</td>
<td>Learning Skills: Problem Solving</td>
<td>3 UNITS</td>
<td>20279 20196 21073</td>
</tr>
<tr>
<td>ENGL 121</td>
<td>Learning Skills: Strategies</td>
<td>2 UNITS</td>
<td>20369</td>
</tr>
<tr>
<td>PSCN 901</td>
<td>Personal Growth I</td>
<td>1 UNIT</td>
<td>20276</td>
</tr>
<tr>
<td>PSCN 902</td>
<td>Personal Growth II</td>
<td>1 UNIT</td>
<td>20277</td>
</tr>
<tr>
<td>PSCN 903</td>
<td>Personal Growth III</td>
<td>1 UNIT</td>
<td>20756</td>
</tr>
<tr>
<td>PSCN 904</td>
<td>Personal Growth IV</td>
<td>1 UNIT</td>
<td>20757</td>
</tr>
<tr>
<td>PSCN 20</td>
<td>The College Experience</td>
<td>2 UNITS</td>
<td>20177 21061</td>
</tr>
</tbody>
</table>

Blue text indicates classes offered Summer 2013 semester. Black text indicates classes offered Fall 2013 semester.

PUENTE PROJECT

The Puente Project is a two-semester program designed for students who intend to transfer to a four-year college. Puente students receive mentoring and support from the Puente counselor, the English instructor, and other professionals. The program consists of two English courses which are required for transfer, a series of Psychology-Counseling courses which are designed to promote student success, and a variety of mentoring activities which engage students in career exploration. The Puente English curriculum focuses on Mexican-American/Latino authors and issues. The program is open to all eligible students. As a condition of enrollment in the Puente Project, students will be required to sign an agreement to conform to the program requirements. For more information, attend one of our Spring information sessions or contact the Puente office at 510.723.7120, Sandra Genera at sgenera@chabotcollege.edu or Kristin Land at kland@chabotcollege.edu

DARAJA PROJECT

The Daraja Project is a year-long, accelerated writing, mentoring and counseling program with a curriculum that focuses on African-American authors and issues. It is designed for students who want to transfer to four-year colleges and universities. The program is open to all eligible students. The program includes English courses which are required for transfer, a series of Psychology-Counseling courses which are designed to promote student success, and a variety of mentoring activities which engage students in career exploration. The Daraja Project focuses on African-American authors and issues. The program is open to all eligible students. For more information, call 510.723.6747.

PACE: EVENING/SATURDAY/ONLINE DEGREE & TRANSFER PROGRAM

Continue to next page for information regarding the PACE program.
PACE (Program for Adult College Education) is a Learning Community designed to help Working Adults pursue an AA degree and Transfer to CSU. PACE is designed to meet the needs of students who require convenient evening, Saturday and Online courses. The PACE Program fulfills both AA degree requirements at Chabot and CSU General Education Transfer requirements. PACE students take all their classes together.

PACE is a “college within a college,” which helps build a sense of community among students and instructors. PACE offers students support, flexibility and networking opportunities, as well as specialized services from an academic counselor. PACE requires a mandatory meeting to inform students about the program, and has a separate application for admission.

PACE offers clear pathways toward certain academic goals, and is an excellent destination for students starting or returning to college, who wish to pursue careers in Social Science (Psychology, Sociology, etc), Education, Hospitality/Recreation or Business. Most PACE students earn an AA degree and then transfer to complete their Bachelor of Arts degree. Our primary transfer destination is CSU East Bay’s PACE Program which offers majors in Human Development; Liberal Studies; Hospitality; Recreation and Tourism; and a Business Minor/option. Other Bay Area transfer colleges include, among others, Holy Names University and St. Mary’s.

For more information about PACE please visit our website at www.chabotcollege.edu/pace or call 510.723.2626 or email pace@chabotcollege.edu. Our website includes links to the PACE Student Criteria, the PACE Application Form, and to the flyer with meeting dates and times for the PACE Mandatory Meetings.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
<th>CRN</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 12</td>
<td>History of California</td>
<td>3 UNITS</td>
<td>10114</td>
<td>06/17-08/03 Online - 1 on-campus meeting</td>
</tr>
<tr>
<td>SOCI 4</td>
<td>Marriage &amp; Family Relations</td>
<td>3 UNITS</td>
<td>10213</td>
<td>6/17-8/8 Online</td>
</tr>
<tr>
<td>ANTH 1</td>
<td>Physical Anthropology</td>
<td>3 UNITS</td>
<td>20427</td>
<td>8/19-12/20 Thursdays 6:30pm-9:20pm</td>
</tr>
<tr>
<td>ARTH 1</td>
<td>Intro to Art</td>
<td>3 UNITS</td>
<td>21176</td>
<td>9/7-12/7 Saturdays 8:30am-12:20pm</td>
</tr>
<tr>
<td>COMM 1</td>
<td>Fundamentals of Speech Communication</td>
<td>3 UNITS</td>
<td>21360</td>
<td>8/19-12/20 Wednesdays 6:30pm-9:20pm</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Reading, Reasoning &amp; Writing-Accelerated Course</td>
<td>4 UNITS</td>
<td>20370</td>
<td>8/19-12/20 Tues &amp; Thurs 7:00pm-9:15pm</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>Critical Reading &amp; Composition</td>
<td>3 UNITS</td>
<td>21476</td>
<td>8/19-12/20 Tuesdays 7:00pm-9:50pm</td>
</tr>
<tr>
<td>ENGL 4</td>
<td>Critical Thinking &amp; Writing about Literature</td>
<td>3 UNITS</td>
<td>21359</td>
<td>8/19-12/20 Online Hybrid - 5 on-campus meetings</td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Intro to Physical Geography</td>
<td>3 UNITS</td>
<td>20424</td>
<td>8/19-12/20 Mondays 6:00pm-8:50pm</td>
</tr>
<tr>
<td>GEOG 1L</td>
<td>Intro to Physical Geography Lab</td>
<td>1 UNIT</td>
<td>20425</td>
<td>8/19-12/20 Wednesdays 6:00pm-8:50pm</td>
</tr>
<tr>
<td>HLTH 1</td>
<td>Intro to Health</td>
<td>3 UNITS</td>
<td>20371</td>
<td>8/19-12/20 Tuesdays 7:00pm-9:50pm</td>
</tr>
<tr>
<td>HLTH 4</td>
<td>Women &amp; Health</td>
<td>3 UNITS</td>
<td>21912</td>
<td>8/19-12/20 Online Hybrid - 3 on-campus meetings</td>
</tr>
<tr>
<td>HIS 7</td>
<td>US History Pre-Reconstruction</td>
<td>3 UNITS</td>
<td>21016</td>
<td>8/19-12/20 Online</td>
</tr>
<tr>
<td>HIS 8</td>
<td>US History Post-Reconstruction</td>
<td>3 UNITS</td>
<td>21017</td>
<td>8/19-12/20 Mondays 6:30pm-9:20pm</td>
</tr>
<tr>
<td>HUMN 65</td>
<td>The American Style</td>
<td>3 UNITS</td>
<td>21063</td>
<td>9/5-12/12 Thursdays 6:30pm-10:00pm</td>
</tr>
<tr>
<td>MATH 65</td>
<td>Elementary Algebra</td>
<td>5 UNITS</td>
<td>21019</td>
<td>8/19-12/20 Tues &amp; Thurs 6:30pm-8:45pm</td>
</tr>
<tr>
<td>MATH 55</td>
<td>Intermediate Algebra</td>
<td>5 UNITS</td>
<td>21018</td>
<td>8/19-12/20 Mons &amp; Weds 7:05pm-9:20pm</td>
</tr>
<tr>
<td>MATH 31</td>
<td>College Algebra</td>
<td>3 UNITS</td>
<td>21797</td>
<td>8/19-12/20 Wednesdays 6:30pm-9:20pm</td>
</tr>
<tr>
<td>PSYC 1</td>
<td>General Psychology</td>
<td>3 UNITS</td>
<td>21488</td>
<td>8/19-12/20 Online Hybrid - 5 on-campus meetings</td>
</tr>
<tr>
<td>PSYC 33</td>
<td>Personal &amp; Social Adjustment</td>
<td>3 UNITS</td>
<td>22343</td>
<td>9/4-12/11 Wednesdays 6:30pm-10:00pm</td>
</tr>
<tr>
<td>SOCI 1</td>
<td>Principles of Sociology</td>
<td>3 UNITS</td>
<td>20744</td>
<td>8/19-12/20 Online</td>
</tr>
</tbody>
</table>

Blue text indicates classes offered Summer 2013 semester. Black text indicates classes offered Fall 2013 semester.
MISSION STATEMENT
The Chabot College Department of Campus Safety and Security, in partnership with the Hayward Police Department, is committed to providing a safe and secure learning and work environment for all members of the campus community and guests. We recognize our role as service providers and are dedicated to delivering consistent and quality service to diverse groups of people and individuals alike.

SAFETY PROGRAMS AND MEASURES
SAFE RIDE PROGRAM
The Department of Campus Safety and Security offers escorts to the campus community to and from the parking lots for safety related issues. To arrange to have an escort accompany you from your classroom or office to your vehicle, dial 6923 from any college phone, or activate a nearby emergency call box. An escort will be dispatched by radio to meet you at your location.

ZERO TOLERANCE
Chabot College maintains a Zero Tolerance policy regarding all forms of sexual violence. If you, or anyone you know, becomes the victim of sexual assault, domestic violence, or stalking, you may seek immediate help at the Campus Safety Office. The Department of Campus Safety and Security is committed to keeping the campus community informed about patterns, trends, or incidents that pose a threat or substantial risk to our community. Such information is typically published in special crime bulletins posted at the office of the Department of Campus Safety and Security or other campus media such as the campus newspaper, The Spectator. Safety through environmental design is yet another component of effective crime prevention. Our Maintenance and Operations Department works hard at keeping the campus grounds well groomed and adequately lit during darkness. The campus grounds and parking lots are lit at nightfall until 11pm during normal days of operation. Emergency Talk A Phones and telephones are strategically located throughout the campus for your safety.

EMERGENCY TALK A PHONE
These Talk A Phones are outdoors in all the parking lots and various areas throughout the campus. (Refer to the campus map on the back cover for Emergency Talk A Phone locations.)

EMERGENCY CAMPUS TELEPHONES
These telephones can be found in all of our elevators and buildings. The telephones are mounted to the wall. Pick up the phone and follow the printed directions. Elevator phones will dial directly to the Campus Safety and Security Office while other phones require you dial the Campus Safety and Security extension (6923 or 6666). Please familiarize yourself with the locations of the emergency phones in the areas you travel on campus.

ALERT U
Chabot College is now offering an SMS-based emergency notification service for your mobile phone. In the event of an emergency, Chabot students, staff, faculty and others will be alerted in real-time important security information. Simply text “Chabot” to 253788 (AlertU) and reply Y, or sign up online at www.alertu.com. Persons wishing to sign up can also enter in an email address and can be alerted to emergency information through an email message as well.

HOURS OF OPERATION AND ACCESS TO COLLEGE FACILITIES
The college’s normal hours of operation are printed on signs at every entrance to the campus. Normal hours of operation are 7am to 10pm Monday through Friday and 7am to 5pm on Saturday. There are typically special events that take place after the normal hours of operation. However, access is restricted to the special event(s). Individuals who need to be in campus buildings or areas outside the normal hours of operation may be required to obtain authorization from their supervisor and must notify the on-duty campus safety officer of their presence prior to entry. All students, faculty and staff have been issued ID cards, which they may be asked to produce if there is a question about their authorization to be in a specific area before, during, or after the normal hours of operation. Many college buildings, classrooms and labs are protected by intrusion alarms. Do not enter the area until an instructor or authorized person has deactivated the alarm. We are all responsible to ensure the safety and security of our college buildings and facilities. Ensure all doors and windows are locked when rooms are unattended. Turn off lights, gas, machinery, or equipment when not in use. Activate the intrusion alarm system if applicable. Report any problems with safety or security of our buildings, facilities, or areas promptly to the Campus Safety and Security Office.

LOST AND FOUND
A centralized Lost and Found is located in the Campus Safety Office in Room 203, Bldg. 200. Lost articles may be turned in or retrieved between the hours of 8am and 9pm, Monday through Friday, and 8am to 3pm on Saturday. Articles deposited with the Lost and Found are held until the end of each semester. After this period, unclaimed items will be disposed of.

CHABOT COLLEGE CRIME STATISTICS
In 1998, the federal government passed The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, formerly The Student Right to Know Act of 1990. This law requires colleges and universities receiving federal funding to disclose the reported instances of criminal activity on their campuses. The following table is an accounting of mandatory crime statistics on campus. You may contact the Hayward Police Department for crime statistics on public property adjacent to the campus at: 510.293.7272.

<table>
<thead>
<tr>
<th>CRIME</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Murder/Non Negligent Manslaughter</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Negligent Manslaughter</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sex Offenses-Forcible</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sex Offenses Non Forcible</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Robbery</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Aggravated Assault</td>
<td>0</td>
<td>11</td>
<td>1</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Burglary</td>
<td>1</td>
<td>17</td>
<td>5</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Motor Vehicle Theft</td>
<td>15</td>
<td>6</td>
<td>18</td>
<td>13</td>
<td>17</td>
</tr>
<tr>
<td>Arson</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Illegal Weapons Possession</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Drug Law Violations</td>
<td>3</td>
<td>7</td>
<td>3</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>Liquor Law Violations</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Hate Crime</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

ON-DUTY OFFICER CONTACT
Off-Campus Phone: 510.723-6923
On-Campus Phone: 6923 or 6666 or
Activate one of the 10 emergency call boxes.
For Emergencies: Dial 911

DEPARTMENT OF SAFETY AND SECURITY
Location: Buidling 200, Room 203
Office Hours: 6:30am to 10pm, Monday through Friday.
NON-DISCRIMINATION POLICY

AGE
Chabot College complies with the Age Discrimination in Employment Act of 1974, which prohibits discrimination in employment on the basis of age.

DISABLED
Chabot College does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. The designee to coordinate compliance with non-discrimination requirements in the American with Disabilities Act: Gerald Shimada, Vice President of Students Services, Rm. 708, 510.723.6743

RACE, COLOR, OR NATIONAL ORIGIN
Chabot College complies with the requirements of Title VI of the Civil Rights Act of 1964 and the regulations adopted thereunder. No person shall, on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program of the college. Chabot College also complies with Title VII of the Act, which includes nondiscrimination on the basis of religion and sex. Limited language skills are not a barrier to occupational programs and services.

SEX OR SEXUAL ORIENTATION
Chabot College does not discriminate on the basis of sex or sexual orientation in education programs or activities. Title IX of the Educational Amendments of 1972, as amended, and the administrative regulations adopted thereunder prohibit discrimination on the basis of sex in education programs and activities operated by the college. Such programs and activities include admission of students and employment.

SEXUAL HARASSMENT
Chabot College desires to maintain an academic and work environment which protects the dignity and promotes the mutual respect of all employees and students. Sexual harassment of employees or students will not be condoned. In general, deliberate verbal comments, gestures or physical contact of a sexual nature that are unsolicited and unwelcomed will be considered harassment (Title VII of the Civil Rights Act of 1964). Inquiries concerning the application of these policies to programs and activities of Chabot College may be referred to the following offices assigned the administrative responsibility of reviewing such matters:

Employee Concerns
Wyman Fong 925.485.526
Director of Human Resources
925.485.526

Student Concerns/Discrimination Concerns
Gerald Shimada
Vice President of Student Services
Rm. 708, 510.723.6743

Inquiries may also be addressed to:

DECLARACIÓN DE NO DISCRIMINACIÓN
Chabot y Las Positas colleges, de acuerdo con las leyes civiles, declara que no discrimina hacia ninguna persona a base de su raza, color, nacionalidad, ascendencia, religión, creencia, sexo, edad o incapacidad, en sus programas y políticas de empleo y educación. El conocimiento limitado del idioma no limita acceso a programas y servicios ocupacionales. Cualquier pregunta sobre la aplicación de esta declaración puede dirigirse a:

Asuntos de Empleo: Wyman Fong, Director de Human Resources, 925.485.5261.
Asuntos de Estudiantes / Asuntos de Discriminación: Gerald Shimada, Vice President of Student Services, Rm. 708, 510.723.6743.


CHABOT FERPA OFFICIALS

Student Records
Paulette Lino
Director, A & R
510.723.2665

Student Discipline
Gerald Shimada
Vice President, Student Services
510.723.6743

FERPA
The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review the student’s education records within 45 days of the day the College receives a request for access. Students should submit to the Director of Admissions and Records, a written request that identifies the record(s) they wish to inspect. The Director will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Director of Admissions and Records, they shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student’s education records that the student believes is inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the Director of Admissions and Records or College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests.

A school official is defined as a person employed by Chabot-Las Positas Community College District in an administrative, supervisory, academic, or support staff position (including law enforcement unit and health staff); a person or company with whom the College or District has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a person assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional duties and responsibilities.

Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll. While the college does not provide general student directory services, it may release the following information about a student without consent: student name, address, telephone number, date of birth, major field of study, degrees and awards received, dates of attendance. Any student who does not wish such information to be released about him/herself shall notify the Office of Admissions and Records in writing, no later than 10 school days after the start of the term. Chabot College does not release student information for individual use, private business or commercial firms for use in advertising and publicity.

If a student has a concern, they have the right to file a complaint with the US Department of Education concerning alleged failures by the college to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office, US Department of Education, 400 Maryland Avenue SW, Washington, DC 20202-4605 (http://www.ed.gov/policy/gen/guid/fpco/ferpa)

For more information regarding FERPA regulations, confidentiality, and privacy of student records, visit: www.chabotcollege.edu/admissions/ferpa.asp

Chabot College • Summer/Fall 2013 Class Schedule 86 510.723.6600 • www.chabotcollege.edu
A student is eligible for graduation with the Associate in Arts Degree after completing all General Education and Proficiency requirements and all Major requirements, plus electives to total 60 semester units with a cumulative grade point average of 2.0 or higher. (See Chabot College catalog for specific Associate in Arts Degree majors.)

GRADUATION REQUIREMENTS

A. Language and Rationality (1, 2, and 3)

A.1. English Composition

(Complete a minimum of 3 semester units)

English 1A

Effective for all students admitted Fall 2009 or thereafter—complete with a grade of “C” or higher (Title 5 §55063)

A.2. Writing & Critical Thinking

(Complete a minimum of 3 semester units)

Business 10

English 4, 7

French 2A*, 2B*

German 2A*, 2B*

Italian 2A*, 2B*

Spanish 2A*, 2B*

A.3. Communication and Analytical Thinking

(Complete a minimum of 3 semester units)

Business 14, 16, 31

Chinese 1A*, 1B*

Communication Studies 1, 2B, 10, 11*, 20, 30, 46

Computer App. Systems 50, 92A, 92B, 92C, 92D

Computer Science 8, 10, 14, 15, 19A

English 70

Entrepreneurship 30

French 1A*, 1B*

Geography 20*, 21*, 22*, 23*

German 1A*, 1B*

History 5*, 12*

Industrial Technology 74

Italian 1A*, 1B*

Japanese 1A*, 1B*

Mass Communications 43, 44


Psychology 5

Spanish 1A*, 1B*

Theater Arts 3, 25*

B. Natural Science

(Complete a minimum of 3 semester units)

Anatomy 1

Anthropology 1*, 1L, 13

Astronomy 10, 20, 30

Biology 2, 4, 6, 10, 25, 31, 50

Biotechnology 20, 30, 40

Chemistry 1A, 8, 10, 30A, 30B, 31

Environmental Science 10, 11, 12

Geography 1*, 1L, 8, 20*, 21*, 22*, 23*

Kinesiology 2

Microbiology 1

Physical Science 15

Physics 2A, 4A, 4B, 4C, 5, 11

Physiology 1

Psychology 4*

C. Humanities

(Complete a minimum of 3 semester units)

Architectural 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16

Art 2A, 3A, 16A, 17A, 22, 23, 24, 25, 54, 56, 57, 58, 59

Art History 1, 4, 5, 6, 7, 20, 50, 51

Chinese 1A*, 1B*

Communication Studies 2A, 5, 6

English 11A, 12A, 13A, 20, 21, 22, 24, 25, 26, 30, 31, 32, 33, 38, 45, 48

Film 14, 50, 60

French 1A*, 1B*, 2A*, 2B*

General Studies 31

German 1A*, 1B*, 2A*, 2B*

History 1*, 2*

Humanities 50, 60, 65, 68, 72

Italian 1A*, 1B*, 2A*, 2B*

Japanese 1A*, 1B*

Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 5, 8

Music (MUSP) 12A, 14A, 44, 45

Philosophy 50, 60, 65, 70

Photography 20, 50, 53A

Religious Studies 50, 64, 65, 70, 72

Sign Language 64, 65, 66

Spanish 1A*, 1B*, 2A*, 2B*, 5

Theater Arts 1, 4, 10, 11, 12, 20A, 25*, 47, 48, 50A

D. Social and Behavioral Sciences

(Complete a minimum of 3 semester units)

Administration of Justice 45, 50, 60, 70

Anthropology 1*, 2, 3, 5, 7, 8, 12

Business 12, 17, 36, 40, 42

Communication Studies 11*, 50

Early Childhood Dev, 40, 52, 56, 62, 69, 79, 87

Economics 1, 2, 5, 10, 12

Entrepreneurship 1

Ethnic Studies 1, 2, 3

Geography 1*, 2, 3, 5, 10, 12, 21*, 22*

Health 8


Mass Communications 40, 41

Political Science 1*, 10, 12*, 20, 25, 30, 45

Psychology 1, 2, 3, 4*, 6, 8, 12, 33, 45

Psychology-Counseling 1, 4, 13

Sociology 1, 2, 3, 4, 5, 6, 8, 10, 11, 30

E. Wellness (1 and 2)

E.1. Areas of Health (A or B)

A. Early Child Dev 54 or Health 1 or 4 or Kinesiology 14 or 19, or Nutrition 1

OR

B. AA Degree in Nursing or Dental Hygiene

E.2. Physical Education

(Complete a minimum of 1 semester unit)

Any physical education (activity) course with a rubric of: ADPE, ATHL, or PEAC

Students who hold an AA/AS Degree or higher are exempt. Exemption is allowed for illness or physical disability. You must file a “Request for Course Substitution or Waiver” available in the Counseling Office. You will need to provide a physician's statement. See a counselor for assistance.

American Institutions

(Complete a minimum of 3 semester units)

History 7*, 8*, 12*, 20*, 21*, 22*, 25*, 27* or Political Science 1*, 12*

American Cultures

(For new or returning students effective Fall 1995 and thereafter.) Complete one course identified as meeting the American Cultures requirement with a grade of “C” or higher or “P.” Where it is appropriate, the course can simultaneously satisfy other graduation or disciplinary requirements. Other courses meeting this requirement may be added during the academic year.

Anthropology 5

Art History 7

Communication Studies 11

Early Childhood Development 79

English 26, 32, 33

Ethnic Studies 1

History 5, 7, 8, 12, 27

Humanities 65

Music (MUSL) 8

Psychology-Counseling 1, 4, 13

Sociology 1, 3, 30

(NOTE: Courses taken at Las Positas, even with the same course name and number, may not satisfy this requirement. See a counselor for assistance.)

Mathematics Proficiency

Proficiency in mathematics must be demonstrated by either:

1. Passing the Math Proficiency Test (see Math Division Office, Building 2000, for information)

OR

2. MTH 1, 2, 15, 16, 20, 31, 33, 35, 36, 37, 40, 43, 47, 53B, 54, 54L, 55, 55B, 55L, 57

Effective for all students admitted Fall 2009 or thereafter, completed with a grade of “C” or higher (Title 5 §55063)

When appropriate, the course can simultaneously satisfy other graduation or disciplinary requirements.

ADDITIONAL GRADUATION REQUIREMENTS

1. All requirements for the major must be met with a grade of “C” or higher or “P” plus electives to total 60 semester units. (Title V: 55063)

2. In reference to unit requirements the Title V regulations state that at least 12 semester units must be completed in residence at the college granting the degree.

3. Residency Requirement: Students earning a certificate, AA or AS Degree in an Occupational/Technical area must complete a minimum of 12 units in residency at Chabot College within the major or certificate program. Students in articulated degree/transfer or Liberal Arts programs will need a total of 12 units in residence at Chabot College in general education, major or elective courses. See Engineering for specific residency requirement.

4. All courses in the major need to have a grade of “C” higher or “P”. There are limitations on the number of “P” units allowed for the degree. See the catalog.

5. All official transcripts from other colleges must be submitted to the Admissions and Records Office before a graduation evaluation may be completed.

*May be used to fulfill one area only unless otherwise stated.
A student is eligible for graduation with the Associate in Science Degree after completing all General Education and Proficiency requirements and all Major requirements, plus electives to total 60 semester units with a cumulative grade point average of 2.0 or higher. (See Chabot College catalog for specific Associate in Science Degree majors.)

**GRADUATION REQUIREMENTS**

**A. Language and Rationality (1 and 2)**

**A.1. English Composition**

(Complete a minimum of 3 semester units)

- English 1A

*Effective for all students admitted Fall 2009 or thereafter—complete with a grade of “C” or higher (Title 5 §55063)*

**A.2. Communication and Analytical Thinking**

(Complete a minimum of 3 semester units)

- Business 14, 16, 31
- Chinese 1A*, 1B*
- Communication Studies 1, 2B, 10, 11*, 20, 30, 46
- Computer App. Systems 50, 92A, 92B, 92C, 92D
- Computer Science 8, 10, 14, 15, 19A
- English 70
- Entrepreneurship 30
- French 1A*, 1B*
- Geography 20*, 21*, 22*
- German 1A* 1B*
- History 5*, 12*
- Industrial Technology 74
- Italian 1A*, 1B*
- Japanese 1A*, 1B*
- Mass Communications 43, 44
- Psychology 5
- Spanish 1A*, 1B*
- Theater Arts 3, 25*

**B. Natural Science**

(Complete a minimum of 3 semester units)

- Anatomy 1
- Anthropology 1*, 1L, 13
- Astronomy 10, 20, 30
- Biology 2, 4, 6, 10, 25, 31, 50
- Biotechnology 20, 30, 40
- Chemistry 1A, 8, 10, 30A, 30B, 31
- Environmental Science 10, 11, 12
- Geography 1*, 1L, 8, 20*, 21*, 22*
- Kinesiology 2
- Microbiology 1
- Physical Science 15
- Physics 2A, 4A, 4B, 4C, 5, 11
- Physiology 1
- Psychology 4*

**C. Humanities**

(Complete a minimum of 3 semester units)

- Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16
- Art 2A, 3A, 16A, 17A, 22, 23, 24, 54, 56, 57, 58, 59
- Art History 1, 4, 5, 6, 7, 20, 50, 51
- Chinese 1A*, 1B*
- Communication Studies 2A, 5, 6
- English 11A, 12A, 13A, 20, 21, 22, 24, 25, 26, 30, 31, 42, 33, 38, 45, 48
- Film 14, 50, 60
- French 1A*, 1B*, 2A, 2B
- General Studies 31
- German 1A*, 1B*, 2A, 2B
- History 1*, 2*
- Humanities 50, 60, 65, 68, 72
- Italian 1A*, 1B*, 2A, 2B
- Japanese 1A*, 1B*
- Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 5, 8
- Music (MUSP) 12A, 14A, 44, 45
- Philosophy 50, 60, 65, 70
- Photography 20, 50, 53A
- Religious Studies 50, 64, 65, 70, 72
- Sign Language 64, 65, 66
- Spanish 1A*, 1B*, 2A, 2B, 5
- Theater Arts 1, 4, 10, 11, 12, 20A, 25*, 47, 48, 50A

**D. Social and Behavioral Sciences**

(Complete a minimum of 3 semester units)

- Administration of Justice 45, 50, 60, 70
- Anthropology 1*, 2, 3, 5, 7, 8, 12
- Business 12, 17, 36, 40, 42
- Communication Studies 11*, 50
- Early Childhood Dev, 40, 52, 56, 62, 69, 79, 87
- Economics 1, 2, 5, 10, 12
- Entrepreneurship 1
- Ethnic Studies 1, 2, 3
- Geography 1*, 2, 3, 5, 10, 12, 21*, 22*
- Health 8
- History 1*, 2*, 3, 4, 5*, 7, 8, 12, 19, 20, 21, 22, 25, 27, 44
- Mass Communications 40, 41
- Political Science 1, 10, 12, 20, 25, 30, 45
- Psychology 1, 2, 3*, 4*, 6, 8, 12, 33, 45
- Psychology-Counseling 1, 4, 13
- Sociology 1, 2, 3, 4, 5, 6, 8, 10, 11, 30

**E. Wellness Areas of Health or Physical Education**

(Complete a minimum of 1 semester unit)

- Early Child Dev 54
- Health 1, 4
- Kinesiology 14, 19
- Nutrition 1

OR

Any physical education (activity) course with a rubric of: ADPE, ATHL, or PEAC

*Students who hold an AA/AS Degree or higher are exempt. Exemption is allowed for illness or physical disability. You must file a “Request for Course Substitution or Waiver” available in the Counseling Office. You will need to provide a physician’s statement. See a counselor for assistance.*

**F. Program-Based GE Requirement**

(Complete a minimum of 3 semester units)

See Chabot College catalog for the specific Program-Based GE courses for the AS degree.

**American Cultures**

(For new or returning students effective Fall 1995 and thereafter.) Complete one course identified as meeting the American Cultures requirement with a grade of “C” or higher or “P”. Where it is appropriate, the course can simultaneously satisfy other graduation or disciplinary requirements. Other courses meeting this requirement may be added during the academic year.

- Anthropology 5
- Art History 7
- Communication Studies 11
- Early Childhood Development 79
- English 26, 32, 33
- Ethnic Studies 1
- History 5, 7, 8, 12, 27
- Humanities 65
- Music (MUSL) 8
- Psychology-Counseling 1, 4, 13
- Sociology 1, 3, 30

(*NOTE: Courses taken at Las Positas, even with the same course name and number, may not satisfy this requirement. See a counselor for assistance.)*

**Mathematics Proficiency**

Proficiency in mathematics must be demonstrated by either:

1. Passing the Math Proficiency Test (see Math Division Office, Building 2000, for information)

OR

2. MTH 1, 2, 15, 16, 20, 31, 33, 35, 36, 37, 40, 43, 47, 53B, 54, 54L, 55, 55B, 55L, 57

*Effective for all students admitted Fall 2009 or thereafter, completed with a grade of “C” or higher (Title 5 §55063)*

When appropriate, the course can simultaneously satisfy other graduation or disciplinary requirements.

**ADDITIONAL GRADUATION REQUIREMENTS**

1. All requirements for the major must be met with a grade of “C” or higher or “P” plus electives to total 60 semester units. (Title V: 55063)

2. In reference to unit requirements the Title V regulations state that at least 12 semester units must be completed in residence at the college granting the degree.

3. Residency Requirement: Students earning a certificate, AA or AS Degree in an Occupational/Technical area must complete a minimum of 12 units in residency at Chabot College within the major or certificate program. Students in articulated degree/transfer or Liberal Arts programs will need a total of 12 units in residence at Chabot College in general education, major or elective courses. See Engineering for specific residency requirement.

4. All courses in the major need to have a grade of “C” or higher or “P”. There are limitations on the number of “P” units allowed for the degree. See the catalog.

5. All official transcripts from other colleges must be submitted to the Admissions and Records Office before a graduation evaluation may be completed.

---

*May be used to fulfill one area only unless otherwise stated.*
The start time and meeting days determine placement of the class in Group I or II. In determining the examination time for lecture-laboratory and lecture-discussion courses, the lecture period determines the time. If the instructors involved desire to give final laboratory or discussion section examinations, the examination should be given during the last such class meeting of the semester, or the two hour examination period may be prorated between lecture and laboratory or discussion section finals. Lecture examinations must be given at the time indicated in the schedule, and for a two hour period.

No changes or early class finals are permitted in the final examination schedule without approval. Students should contact the Vice President of Academic Services on problems involving the class schedule for final examinations.

NOTE: Final Exam Schedule for **full-term courses only**. Students taking short-term courses will be given their final exams on the last day of class. Consult with your faculty member for details.

### DAY CLASSES

Day Classes (classes meeting before 4:30 pm) include the following combinations in the class schedule:

**GROUP I:** MW classes; also MTWTh, MWF, MWThF, MThF, MT, MTh, MF, WF, M only, W only, & Daily classes

**GROUP II:** TTh classes; also TThF, TW, TWTh, TF, ThF, WTh, MTTh, TWTThF, and T only classes

**GROUP III:** Classes scheduled “by arrangement” and Th only and F only classes

---

**EXAMINATION TIME** | **MONDAY DECEMBER 16** | **TUESDAY DECEMBER 17** | **WEDNESDAY DECEMBER 18** | **THURSDAY DECEMBER 19** | **FRIDAY DECEMBER 20**
--- | --- | --- | --- | --- | ---
7:30-9:20 am | GROUP I – 7, 7:30, 7:45, 7:50 am classes | | | GROUP II – 7:30, 7:45 am classes | Group III – 7:30, 7:45 am classes
8:00-9:50 am | GROUP I – 9, 9:30, 9:45 am classes | Group I 8, 8:30 am classes | Group II 8, 8:30 am classes | Group III 8, 9 am classes
10:00-11:50 am | Group I 11, 11:30 am classes | GROUP I – 9, 9:30, 9:45 am classes | GROUP II – 10, 10:30 am classes | Group III – 9:45, 10, 10:45, 11 am classes
12:00-1:50 pm | GROUP I – 1, 1:15, 1:30, 1:45 pm classes | GROUP II – 1, 1:15, 1:30 pm classes | GROUP I – 12, 12:30, 12:45 pm classes | Group II – 11, 11:30 am, 12 pm classes | Group III – 11:30 am, 12, 1 pm classes
2:00-3:50 pm | Group I 2, 2:30 pm classes | Group II 2, 2:30 pm classes | Group I 3, 3:30 pm classes | Group II 3, 3:30 pm classes | Group III – 2, 3, 4 pm classes

(Common block times in **BLUE**.)

### LATE AFTERNOON, EVENING and SATURDAY CLASSES

<table>
<thead>
<tr>
<th>SCHEDULED CLASS MEETING DAYS</th>
<th>SATURDAY DECEMBER 14</th>
<th>MONDAY DECEMBER 16</th>
<th>TUESDAY DECEMBER 17</th>
<th>WEDNESDAY DECEMBER 18</th>
<th>THURSDAY DECEMBER 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday only classes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tues. only &amp; Tues/Thurs classes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mon/Wed &amp; Wed. only classes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday only classes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday only classes</td>
<td>Final Exam Day*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Meet at the REGULAR MEETING ROOMS AND TIMES. Final examinations should be scheduled for TWO HOURS.
The California Community College Board of Governors recently approved a policy change to establish system wide registration priorities. The new regulations are designed to ensure that classes are available for students seeking job training, an associate degree or transfer and to reward students who are making academic progress towards their academic goals.

The new statewide enrollment priorities established criteria that will provide the highest level of registration priority to continuing students with good academic standing and who have not exceeded the 100-unit limit (excluding units in basic English, Math or English as a Second Language). In addition, new students who have completed orientation, assessment and have a developed student education plan in place will also receive greater priority under this new law.

Foster Youth & Veterans followed by students in EOPS (Extended Opportunity Programs and Services) and DSPS (Disabled Students Programs and Services) who have completed orientation, assessment and have a developed student education plan in place, will continue to have the highest level of priority.

The regulations will be implemented for Summer/Fall 2014 registration. Students who are on academic or progress probation or close to 100-unit limit are at risk of losing priority registration and should see a Counselor and develop a plan that will help make sure that they stay on track to reach their educational goals.