Welcome to spring semester 2013, and Chabot College’s next 50 years of education and service to our community. At Chabot you will find excellent classes that help you reach your goals, whether you are transferring to a university, developing a career, or honing your skills and life choices. Chabot’s justifiably celebrated faculty, staff, and programs are here to educate and to support you.

Each period in our State’s history has had its great political and social movements. I believe that the current struggle to preserve funding to Chabot and the other California community colleges and public universities is a key civil rights struggle of our time. The access of all Californians to college, regardless of income, family background, or a variety of life’s hurdles, is a key democratic ideal. It is at the community colleges, Chabot included, where many who cannot afford high college tuitions are able to receive an excellent education. Chabot and community colleges across the state “level the playing field” for all in the true spirit of the U.S. Constitution. But this great opportunity, which has helped build California into one of the strongest economies in the world, is now under threat. The community colleges have received reductions in our state funding year after year that have forced us to cut more and more classes. I hope that you will educate yourself about the struggle to preserve public higher education in our state, and then commit to seeing that our community colleges are here for future generations of your family and community.

For the first time in 50 years, Chabot College is printing a spring semester schedule that is really two schedules. All of the classes you see listed here are available if the Governor’s budget for education is restored by the voters through Proposition 30 on November 6. If this does not occur we, and all community colleges, have had to plan for substantially less state funding and significant cuts to the class schedule. In this Spring Schedule you will see those classes we will NOT be funded for should the Governor’s budget not hold. These are outlined in red.

Now and into the future, it is going to be YOUR task to educate our communities about how important the community college and higher education are to you. No one else can do this for you. As educated future leaders, it is up to YOU to see that Chabot exists to serve YOUR family and YOUR community these next 50 years. As a teacher and administrator at Chabot for over 25 years, I have seen again and again how this college changes lives and futures. I stand ready to join you in the work of keeping this a reality.

As president of Chabot College I look forward to sharing a great spring semester with you!

Susan Sperling, Ph.D.
President Chabot College
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SPRING 2013 ACADEMIC CALENDAR

January 21 ................................................................. HOLIDAY – Martin Luther King, Jr.
January 22 ................................................................. Instruction Begins
February 8 .......... Last day to ADD or DROP with NGR In-person (FULL-TERM Classes ONLY)
February 10 .......... Last day to ADD or DROP with NGR Online (FULL-TERM Classes ONLY)
February 11 .................... Census Day (FULL-TERM Classes ONLY)
February 15 – 18 ............... HOLIDAY - Presidents’ Weekend (No Instruction)
February 21 .................. Last day to apply for Pass / No Pass (FULL-TERM Classes ONLY)
March 30 .......... Saturday Classes Meet
April 1 – 6 ................. Spring Break (No Instruction, No Saturday Classes)
April 10 ......................... Last day to apply for Graduation Ceremony
April 12 .......... Last day to WITHDRAW with a “W” In-person (FULL-TERM Classes ONLY)
April 14 .......... Last day to WITHDRAW with a “W” Online (FULL-TERM Classes ONLY)
May 18 ......................... Last day of Instruction for Saturday classes
May 18 .......................... Saturday Finals
May 23 .............................. Last day of Instruction
May 18 – 31 ......................... Finals (see page 80)
May 27 ................. HOLIDAY - Memorial Day
June 1 ................................. Commencement
June 5 ................................. Instructors: Spring 2013 Grades For All Classes Due

REGISTRATION DATES
November 13, 2012
Foster Youth / Veterans

November 14 & 15, 2012
Title 5 (EOPS, DSPS)

November 16, 2012
Athletes, Aspire, Cal Works

November 19, 2012
Continuing students (by priority)

December 10, 2012
New & Returning Students

January 14, 2013
Concurrent Enrollment Students

DROP FOR NON-PAYMENT DEADLINE
January 8, 2013

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.
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

CAMPUS SAFETY 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

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 703E
www.chabotcollege.edu/dhyg

Dental Health Programs Clinic .................................. 510.723.6600
Room 2200
www.chabotcollege.edu/dhyg

Disabled Student Resource Center (DSRC) ............ 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 703E
www.chabotcollege.edu/international

Library ..................................................................... 510.723.6764
Building 100 2nd floor
www.chabotcollege.edu/library

PACE Program ............................................................ 510.723.6976
Building 1300
www.chabotcollege.edu/PAC

Puente Program ............................................................ 510.723.6976
www.chabotcollege.edu/puente

Registered Nursing Program .................................... 510.723.7677
http://www.chabotcollege.edu/nurs

Spectator Newspaper .................................................. 510.723.7677
www.thechabotspectator.com

Student Health Center ................................................. 510.723.7625
Room 120
www.chabotcollege.edu/healthcenter

Student Life, Associated Students of Chabot College .... 510.723.6914
Room 2355
www.chabotcollege.edu/studentlife

Student Online Service Center .................................. 510.723.7625
Room 709

Transfer Employment Center Services (TeCS) .......... 510.723.6720
www.chabotcollege.edu/counseling/TECS

Veterans Services ......................................................... 510.723.6910
Room 703D
www.chabotcollege.edu/veterans

Vice President, Student Services
www.chabotcollege.edu/studentservices

And College Programs
Student Services

CONTACT GUIDE
www.chabotcollege.edu/studentservices

Proud of Our Campus Safety
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

KCTH-27 ................................................................. 510.723.7604
www.chabotcollege.edu/tv

KCRH-FM ................................................................. 510.723.6954
www.chabotcollege.edu/KCRH

Language Center (ESL support)
http://www.chabotcollege.edu/languagearts/ESL/languagecenter.asp

Learning Connection
www.chabotcollege.edu/learningconnection

Library ................................................................. 510.723.6720
Building 100 2nd floor
www.chabotcollege.edu/library

PAC ................................................................. 510.723.6600
www.chabotcollege.edu/PAC

Puente Program .......................................................... 510.723.6725
www.chabotcollege.edu/puente

Registered Nursing Program .................................... 510.723.5764
http://www.chabotcollege.edu/nurs

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Room 703D
www.chabotcollege.edu/veterans

Vice President, Student Services
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
GETTING STARTED

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 and 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: MMDDYY (month, day, last two numbers of the year).
• Log in and click the “What is my W ID?” link.
• Note: 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 8 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).

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.
IN-PERSON: Pay with cash, check, or money order at the Admissions and Records Office (Building 700).

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 13 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.
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 Fall 2012 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 5.</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>

ADMISSION INFORMATION

INFORMACIÓN 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 continue teniendo interés en el Colegio Chabot. Cuando usted complete la solicitud, por favor indique que de “Hispano”. Hemos tenido la oportunidad que la población estadounidense latina 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 matrícula. Comuníquese con la Oficina de Veteranos al 510.723.6910.

CALIFORNIA NON-RESIDENT TUITION EXEMPTION REQUEST

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.

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.

Fall Semester - May 1st
Spring semester - November 1st

For more information or to download the application, please visit the International Student Program’s website: www.chabotcollege.edu/international

http://www.chabotcollege.edu/admissions/fees/AB540IntersegAffidavit.pdf
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 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 1605)

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 703D) or fax to (510) 723-7510. Atttn: 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.

DEADLINE DATE

To be considered for admission, students must submit all required materials by the following deadline date: December 17, 2012

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 $3.00 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 $226 per unit.

For more information, please visit our Concurrent Enrollment website: www.chabotcollege.edu/Admissions/Concurrent
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 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>
<tr>
<td>Consult Counseling once official records are submitted to determine your English and/or Math placement based on the above alternatives.</td>
</tr>
</tbody>
</table>

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/progress 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.

PSYCHOLOGY-COUNSELING CLASSES

Psychology-Counseling classes are taught by full-time faculty and:

» Designed to help you succeed.
» AA/AS degree applicable; CSU Transferable.

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
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<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 4</td>
<td>2 units Multicultural/Cultural 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 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 12</td>
<td>2 units Self Esteem for Success: Explore how to build self esteem and methods for success.</td>
</tr>
<tr>
<td>PSCN 13</td>
<td>3 units Multicultural Issues in Contemporary America: Focus on improving 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 80</td>
<td>2 units Occupational Community Service in Human Services: Community service experience (54-84 hours) in human services plus one hour per week on campus meeting with PSCN instructor.</td>
</tr>
</tbody>
</table>

More info? Call counselor Felicia Tripp at 510.723.7598.

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 for 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.
# PSYCHOLOGY-COUNSELING 25

Targeted to new, first-time college students, PSCN 25 requires the completion of several steps which survey practical strategies for academic success in college. New students apply to the college, complete the English and Math assessment, complete an online orientation, and complete an academic program planning component. Each student will select ONE of the following academic program planning sections at their assessment testing session:

<table>
<thead>
<tr>
<th>WEEK OF OCTOBER 29TH</th>
<th>Section</th>
<th>Type</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Date</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>31811 Lec Mon</td>
<td>Mon</td>
<td>1-3:00 pm</td>
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<td>10/29/12 P/NP</td>
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</tr>
<tr>
<td>31813 Lec Wed</td>
<td>Wed</td>
<td>10 am-noon</td>
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<tr>
<td>31812 Lec Thu</td>
<td>Thu</td>
<td>4:30-6:30 pm</td>
<td>Room 751 Staff</td>
<td>11/01/12 P/NP</td>
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<table>
<thead>
<tr>
<th>WEEK OF NOVEMBER 5TH</th>
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<th>Room</th>
<th>Instructor</th>
<th>Date</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>31814 Lec Mon</td>
<td>Mon</td>
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<tr>
<td>31815 Lec Mon</td>
<td>Mon</td>
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<td>11/05/12 P/NP</td>
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<td>31816 Lec Tue</td>
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<td>31818 Lec Tue</td>
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<tr>
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<td>31817 Lec Wed</td>
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<td>31822 Lec Thu</td>
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<tr>
<td>31842 Lec Tue</td>
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<tr>
<td>31833 Lec Tue</td>
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<td>11/27/12 P/NP</td>
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<td>31835 Lec Tue</td>
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<tr>
<td>31837 Lec Wed</td>
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<tr>
<td>31839 Lec Thu</td>
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<tbody>
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<td>12/03/12 P/NP</td>
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<tr>
<td>31845 Lec Tue</td>
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<td>Room 751 Staff</td>
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<tr>
<td>31847 Lec Tue</td>
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<td>12/04/12 P/NP</td>
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<td>31834 Lec Wed</td>
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<td>12/05/12 P/NP</td>
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<tr>
<td>31825 Lec Wed</td>
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<td>Room 751 Staff</td>
<td>12/05/12 P/NP</td>
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<tr>
<td>31827 Lec Thu</td>
<td>Thu</td>
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<td>12/06/12 P/NP</td>
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<table>
<thead>
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<th>Instructor</th>
<th>Date</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>31849 Lec Mon</td>
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<td>10 am-noon</td>
<td>Room 751 Staff</td>
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<tr>
<td>31851 Lec Mon</td>
<td>Mon</td>
<td>1-3:00 pm</td>
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<td>31855 Lec Tue</td>
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<tr>
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<td>31836 Lec Wed</td>
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<tr>
<td>31829 Lec Wed</td>
<td>Wed</td>
<td>4:30-6:30 pm</td>
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<td>12/12/12 P/NP</td>
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<tr>
<td>31838 Lec Thu</td>
<td>Thu</td>
<td>10 am - noon</td>
<td>Room 751 Staff</td>
<td>12/13/12 P/NP</td>
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<td></td>
</tr>
</tbody>
</table>
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.

Please note that assessments for high school concurrent enrollment students are offered on Mondays only.

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.

ESL ASSESSMENT SCHEDULE

<table>
<thead>
<tr>
<th>THURSDAY MORNING</th>
<th>THURSDAY AFTERNOON</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARTING 10 AM - ENDING 11:30 AM</td>
<td>STARTING 5 PM - ENDING 6:30 PM</td>
</tr>
<tr>
<td>NOV 1, 15, 29</td>
<td>OCT 18, 25</td>
</tr>
<tr>
<td>DEC 13</td>
<td>NOV 1, 15, 29</td>
</tr>
<tr>
<td>JAN 17</td>
<td>DEC 6, 13</td>
</tr>
<tr>
<td></td>
<td>JAN 10, 17, 24, 31</td>
</tr>
</tbody>
</table>

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 serve 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.

CHEMISTRY DIAGNOSTIC TEST SCHEDULE

<table>
<thead>
<tr>
<th>THURSDAY MORNING</th>
<th>THURSDAY AFTERNOON</th>
</tr>
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<tbody>
<tr>
<td>STARTING 10 AM - ENDING 11:30 AM</td>
<td>STARTING 5 PM - ENDING 6:30 PM</td>
</tr>
<tr>
<td>NOV 1, 15, 29</td>
<td>OCT 18, 25</td>
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<td>DEC 13</td>
<td>NOV 1, 8, 15, 29</td>
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<td>JAN 17</td>
<td>DEC 6, 13</td>
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<tr>
<td></td>
<td>JAN 10, 17, 24, 31</td>
</tr>
</tbody>
</table>

• Assessment results are available within 24 hours. You can log into CLASS-Web to get your results.
• The assessment schedule is planned to the best of Chabot College’s ability but may change at anytime due to uncertainties with the California State Budget. Please check our website for the most updated assessment information.
• For ADA accommodations, please call the Disabled Student Resource Center at 510.723-6725.

ASSESSMENT CENTER
Phone: 510.723.6722
Location: Building 700, Room 714A
Email: cc-assessment@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/assessment
**REGISTRATION**

**SPRING 2013 REGISTRATION SCHEDULE**

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<thead>
<tr>
<th>GROUP</th>
<th>REGISTRATION DATE</th>
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<tbody>
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<td>Foster Youth / Veterans</td>
<td>November 13, 2012</td>
</tr>
<tr>
<td>Title 5 (EOPS, DSPS)</td>
<td>November 14 – 15, 2012</td>
</tr>
<tr>
<td>Athletes, Aspire, Cal Works</td>
<td>November 16, 2012</td>
</tr>
<tr>
<td>Continuing Students (by priority)</td>
<td>November 19, 2012 (starting date)</td>
</tr>
<tr>
<td>A continuing student is one who has attended Chabot College or Las Positas College during the past academic year. A registration date is assigned based on a student's priority number.</td>
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</tr>
<tr>
<td>New &amp; Returning Students</td>
<td>December 10, 2012</td>
</tr>
<tr>
<td>A new student is someone who has never taken classes at Chabot College or Las Positas College. A returning student is one who previously attended Chabot College or Las Positas College, but not during the past academic year.</td>
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</tr>
<tr>
<td>Concurrent Enrollment Students</td>
<td>January 14, 2013</td>
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<tr>
<td>Students who currently are enrolled in high school and wish to take classes at the college. Certain requirements and restrictions apply. (Refer to page 5 for more information.)</td>
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**DROP FOR NON-PAYMENT DEADLINE**

January 8, 2013

**PRIORITY REGISTRATION CRITERIA**

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<th>GROUP</th>
<th>CRITERIA</th>
<th>MATRICULATION COMPONENTS</th>
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<td>State-mandated Special Programs (Foster Youth, Veterans, EOPS and DSPS)</td>
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<tr>
<td>08</td>
<td>Athletes, Aspire, Cal Works</td>
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<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>
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<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>
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<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>
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</tbody>
</table>

**REGISTRATION CHECKLIST**

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

<table>
<thead>
<tr>
<th>Example Priority Registration Number: 070459</th>
</tr>
</thead>
<tbody>
<tr>
<td>07 First two digits indicate the priority group</td>
</tr>
</tbody>
</table>

- 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 account and clear those holds with the appropriate department.
- Register for classes on your registration date.

**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.
REGISTRATION PROCESS

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.

Students may add or drop classes by
(a) logging into CLASS-Web or The Zone,
(b) selecting the “Student Services” menu,
(c) and then selecting “Add/Drop Classes.”

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 Wailist 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 No Grade of Record (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 NGR deadline, the student may apply for refunds 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 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).

DEADLINES FOR FULL-TERM CLASSES

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 8</td>
<td>Last day to ADD or DROP with NGR</td>
<td>In-person</td>
</tr>
<tr>
<td></td>
<td>(FULL-TERM classes ONLY)</td>
<td></td>
</tr>
<tr>
<td>February 10</td>
<td>Last day to ADD or DROP with NGR</td>
<td>Online</td>
</tr>
<tr>
<td></td>
<td>(FULL-TERM classes ONLY)</td>
<td></td>
</tr>
<tr>
<td>February 21</td>
<td>Last day to apply for Pass / No Pass</td>
<td>(FULL-TERM classes ONLY)</td>
</tr>
<tr>
<td>April 12</td>
<td>Last day to WITHDRAW with a “W”</td>
<td>In-person</td>
</tr>
<tr>
<td></td>
<td>(FULL-TERM classes ONLY)</td>
<td></td>
</tr>
<tr>
<td>April 14</td>
<td>Last day to WITHDRAW with a “W”</td>
<td>Online</td>
</tr>
<tr>
<td></td>
<td>(FULL-TERM classes ONLY)</td>
<td></td>
</tr>
</tbody>
</table>

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. Click the “Check class deadlines” link.
5. Enter the CRN.

COMMON REGISTRATION ERRORS

EXCESS UNITS
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.

CLASS OVERLAP
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.

REPEAT LIMITED EXCEEDED
The student must consult with the Counseling Division. (Refer to page 14 for more information.)

PREREQUISITE NOT MET
The student must consult with the Counseling Division. (Refer to page 14 for more information.)

MAJOR RESTRICTION
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.

ADMISSIONS AND RECORDS OFFICE
Phone: 510.723.6700
Location: Building 700, 1st floor
Email: ccarcom@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/admissions
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 to register 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.

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

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).
5. Go to your personal email account, click the link to confirm OR copy the code to the Zonemail verification screen and click “Verify.”

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.
### 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>$226 per unit</td>
<td>Non-residents of California are required to pay a tuition fee of $226 per unit in addition to the enrollment fee and basic fees.</td>
</tr>
<tr>
<td>INTERNATIONAL STUDENT TUITION</td>
<td>$226 per unit</td>
<td>The tuition fee for international students, nonimmigrant aliens or students on other types of visas is $226 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 13 for more information.)</td>
</tr>
</tbody>
</table>

(Nota: 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 DEADLINE**

January 8, 2013

### 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 94543. Allow 1-2 weeks to process payments by mail. DO NOT SEND CASH.

**IN-PERSON:** Pay with cash, check, or money order at the Admissions and Records Office (Building 700).

### 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

Beginning Spring 2013, the Chabot-Las Positas Community College District will implement a new administrative procedure regarding student refunds. The new procedure is:

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](http://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

Chabot College • Spring 2013 Class Schedule 12 510.723.6600 • www.chabotcollege.edu
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
Parking 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 or Activate 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 and activate your temporary parking permit. Once you have printed and activated your temporary permit, you will receive your permanent permit in the mail in approximately 10 business days. Follow these steps to print and activate 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 $2.00 from dispensers located in all campus parking lots.

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 provided 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.
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 OVERRIDES 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 OVERRIDES 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 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,” “F,” 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,” “F,” or “NP”) or who have dropped with a “W” (Title 5, Section 55042).

Students attempting to enroll in the same course for a fourth time will be blocked from registration.

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 the 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 a student should repeat a course because 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 55041)

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.

COUNSELING OFFICE
Phone: 510.723.7013  
Hours: Posted on website  
Location: 752, 2nd floor  
Email: cc-counseling@chabotcollege.edu  
Website: www.chabotcollege.edu/counseling
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 are encouraged to 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.

FINANCIAL AID OFFICE
Phone: 510.723.6748
Location: Building 700, 1st floor
Email: cc-finaid@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/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.

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**

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.

**URGENT TO READ: PELL GRANT LIMITS**

- Pell Lifetime Eligibility Used (LEU) Federal regulations now 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 beginning in 2012-13 school year. 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 to pursue 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.

**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 3.4%, and no rebates are offered.
- New! Effective 7/1/13, students will be ineligible for subsidized loans once they have reached 150% of their program length in attempted units.

**IMPORTANT THINGS TO KNOW**

New as a result of recent legislative changes, you should be aware of several new requirements for the federal student aid programs. Most of these changes are effective with the 2012-13 school year (July 1, 2012 - June 30, 2013). http://studentaid.ed.gov/PORTALSWebApp/students/english/recentchangesSA.jsp

Students receive all email notifications via their ZoneMail email address, directing students to check The Zone or CLASS-Web for missing information, required verification documents, awards and adjustments to awards, and academic ineligibility.

**SAP (Satisfactory Academic Progress)** - Academic eligibility is based on the student’s academic performance. (Cumulative and semester minimum 2.00 grade point average and 67% completion rate, and up to 150% of your program length in attempted hours, including units from prior colleges.) http://www.chabotcollege.edu/finaid/SAP.cfm

**Loans** - Loans are only available by manual request to students with 12 earned academic units at Chabot, and are limited based on multiple academic criteria and accumulated loan debt. The lender for the Stafford Loan Program is the Department of Education. Required loan counseling and master promissory notes are completed online.

**Part Time Enrollment / Disbursements** - Student aid awards are displayed assuming FT enrollment. A student may be eligible for aid if enrolled Part Time, and disbursements are prorated for actual enrollment. A student must be enrolled at least half time to be considered for student loans, FWS and SEOG.

**2nd Disbursement** - Enrollment will be frozen at the time of the 2nd major disbursement each semester, and 2nd disbursement amounts will be adjusted for changes in enrollment. Per federal regulation, no additional disbursement will occur for units registered for after this date.

**Late Start Classes** - Disbursement for late start classes will occur the next scheduled disbursement following the start of class. A student must be registered for those units prior to the scheduled 2nd disbursement.

**THE CALIFORNIA DREAM ACT**

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

**URGENT TO READ:**

PELL GRANT LIMITS

- Pell Lifetime Eligibility Used (LEU) Federal regulations now 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 beginning in 2012-13 school year. 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 to pursue 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.

**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 3.4%, and no rebates are offered.
- New! Effective 7/1/13, students will be ineligible for subsidized loans once they have reached 150% of their program length in attempted units.

**FINANCIAL AID OFFICE**

Phone 510.723.6748
Location: Building 700, 1st floor
Email: cc-finaid@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/finaid
School Code: 001162

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 3.4%, and no rebates are offered.
- New! Effective 7/1/13, students will be ineligible for subsidized loans once they have reached 150% of their program length in attempted units.
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 card, 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 make sure you do the following to 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.

FINANCIAL AID OFFICE
Phone: 510.723.6748
Location: Building 700, 1st floor
Email: cc-finaid@chabotcollege.edu
Website: www.chabotcollege.edu/counseling/finaid
School Code: 001162

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.

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.
### 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).

<table>
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<th>TYPE</th>
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<th>TIMES</th>
<th>ROOM</th>
<th>INSTRUCTOR</th>
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<tr>
<td>D 31726 Lec TTh</td>
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<td>1607</td>
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<td>01/22-05/31</td>
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<td>9:00 10:15</td>
<td>1609</td>
<td>YOO</td>
<td>01/22-05/31</td>
<td>OP 005</td>
<td>E = Evening Class</td>
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</tr>
</tbody>
</table>

**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.

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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.

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If Prop 30 fails, classes outlined in red are subject to cancellation.
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 30119 Lec MW 9:00-10:15 503 CASQUEIRO 01/22-05/31 OP 001
D 30118 Lec MW 10:30-11:45 503 GIOVANOLA 01/22-05/31 OP 002
D 31515 Lec MW 1:00-2:15 503 GIOVANOLA 01/22-05/31 OP 003
D 31514 Lec TTh 9:00-10:15 503 GRAVEY 01/22-05/31 OP 004
E 30168 Lec Mon 6:30-9:30 503 MILNER-ROSE 01/22-05/31 OP 011
E 30381 Lec Th 6:30-9:30 503 GIOVANOLA 01/22-05/31 OP 016

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 30524 Lab Wed 3:00-5:50 503 CASQUEIRO 01/22-05/31 OP 001
D 30391 Lab Th 3:00-5:50 503 GIOVANOLA 01/22-05/31 OP 002
E 30455 Lab Wed 6:30-9:20 503 GIOVANOLA 01/22-05/31 OP 016

ANTH 2 INTRODUCTION TO ARCHAEOLOGY 3.0 Units
Prehistoric development of human culture through studies of stone tools and other remains of the earliest human life ways up to the growth of technologically advanced civilizations. Emphasis on modern archeological theories and techniques for understanding cultural adaptation to different ecological conditions in the past. Review of important archeological case studies.

D 30709 Lec MW 10:30-11:45 558 CASQUEIRO 01/22-05/31 OP 001

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 30708 Lec TTh 1:00-2:15 503 GRAVEY 01/22-05/31 OP 001
D 31347 Lec TTh 10:30-11:45 555 GRAVEY 01/22-05/31 OP 002
E 31646 Lec Tue 6:30-9:20 503 MILNER-ROSE 01/22-05/31 OP 016

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.

D 30479 Lec Mon 2:30-5:20 504 SAEED 01/22-05/31 OP 016

ANTH 7 INTRODUCTION TO GLOBALIZATION 3.0 Units
Explores the current processes of “globalization” in the world today and the impact on people and societies. The conflicts arising out of competition over resources such as land, water and oil will be examined. Includes the impact of wars, economic and environmental disruption, leading to transnational migrations of people. Explores debates over globalization and the social movements that have arisen in response to the impact of globalization.

D 31865 Lec Tue 1:30-4:20 553 WALDO 01/22-05/31 OP 016
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 30935 Lec  MW  6:30 7:20  901 CHU 01/22-05/31 GR 071
MW  7:30 9:20  901

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 30392 Lec  MW  6:30 7:20  901 CHU 01/22-05/31 GR 071
MW  7:30 9:20  901

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 30613 Lec  TTh  1:00 1:50  905 HUANG 01/22-05/31 GR 001
TTh  2:00 3:50  905

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 30392 Lec  TTh  1:00 1:50  905 HUANG 01/22-05/31 GR 001
TTh  2:00 3:50  905

ARCH 8B   FUNDAMENTALS OF ARCH DESIGN II  4.0 Units
Continuation of the content and issues introduced in Architecture 8A. Emphasis on generating and developing design concepts, incorporating structure, materials, and energy considerations as determinates of form. Emphasis on applied traditional and digital graphic communications tools, including scale models to convey intended concepts and meanings. Prerequisite: Architecture 8A (completed with a grade of “C” or higher).
D 30390 Lec  MW  1:00 2:15  907 HUANG 01/22-05/31 GR 001
MW  2:30 3:45  907

ARCH 12   CONSTRUCTION MATERIALS  3.0 Units
Introduction to the methods and materials used in contemporary and historical building construction. Wood, steel, masonry, and concrete structural systems will be explored, as will major interior and exterior finish systems. The relationships between occupancy and construction types will be reviewed as will the influence of building codes, climate, labor supply, and economic factors.
O 31707 By Arr  3.0 Hrs/Wk ONLINE HUANG 01/22-05/31 GR ON1
ARCH 12, section ON1 is an online course with no required on campus meetings.

ARCH 16   LANDSCAPE ARCHITECTURE  2.0 Units
Principles of landscape architecture emphasizing design concepts as they relate to site, building, and client requirements. Includes site analysis, land use patterns, circulation, layout, planting materials, irrigation, and the general design process.
E 31864 Lec  Tue  6:00 6:50  907 Staff - Fi 01/22-05/31 GR 071
Lab Tue  7:00 9:50  907

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 31638 Lec  MW  9:00 9:50  905 HUANG 01/22-05/31 OP 001
MW  10:00 11:50  905

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 30489 Lec  TTh  9:00 9:50  905 Staff - Fi 01/22-05/31 GR 001
TTh  10:00 11:50  905

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 30003 Lec  MW  9:00 9:50  901 GOLOJUCH 01/22-05/31 OP 001
MW  10:00 11:50  901
MW  12:00 1:50  901
D 31471 Lec  MW  12:00 12:50  901 GOLOJUCH 01/22-05/31 OP 002
D 32393 Lec  TTh  9:00 9:50  901 GOLOJUCH 01/22-05/31 GR 003
TTh  10:00 11:50  901

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 30719 Lec  MW  9:00 9:50  901 GOLOJUCH 01/22-05/31 OP 001
MW  10:00 11:50  901
D 31648 Lec  MW  12:00 12:50  901 GOLOJUCH 01/22-05/31 OP 002
D 32394 Lec  TTh  9:00 9:50  901 GOLOJUCH 01/22-05/31 GR 003
TTh  10:00 11:50  901

ART 2C   INDIV PROJ ACAD 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).
D 31869 Lec  MW  9:00 9:50  901 GOLOJUCH 01/22-05/31 GR 001
MW  10:00 11:50  901
D 31731 Lec  MW  12:00 12:50  901 GOLOJUCH 01/22-05/31 GR 002
MW  1:00 2:50  901
D 32395 Lec  TTh  9:00 9:50  901 GOLOJUCH 01/22-05/31 GR 003
TTh  10:00 11:50  901

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 drawing techniques, compose, and evaluate drawings. Open to any student, no drawing experience required.
D 32074 Lec  MW  9:00 9:50  1006 Staff - Fi 01/22-05/31 OP 001
MW  10:00 11:50  1006
D 30004 Lec  MW  12:00 12:50  1006 Staff - Fi 01/22-05/31 OP 002
MW  1:00 2:50  1006
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).

- D 32075 Lec MW 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001
- D 31081 Lec MW 12:00 12:50 1006 Staff - Fi 01/22-05/31 OP 002

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).

- D 32076 Lec MW 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001
- D 31082 Lec MW 12:00 12:50 1006 Staff - Fi 01/22-05/31 OP 002

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).

- D 32077 Lec MW 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001
- D 31083 Lec MW 12:00 12:50 1006 Staff - Fi 01/22-05/31 OP 002

ART 12A OIL/ACRYLIC PAINTING-BEGINNING I 3.0 Units
Beginning projects in oil or acrylic painting with an emphasis on fundamental painting techniques and approaches. Strongly Recommended: Art 2A or equivalent.

- D 32440 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001
- D 32441 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 002

ART 12B OIL/ACRYLIC PAINTING-BEGINNING II 3.0 Units
Projects in oil or acrylic painting with an emphasis on fundamental painting techniques and approaches. Prerequisite: Art 12A or equivalent.

- D 32442 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001

ART 12C OIL/ACRYLIC PAINTING-ADVANCED I 3.0 Units
Advanced projects in oil or acrylic painting with an emphasis on individual creative work and development of personal ideas and style. Prerequisite: Art 12B (completed with a grade of “C” or higher).

- E 30008 Lec MW 7:00 7:50 1016 ESQUIERDO 01/22-05/31 OP 071
- E 30011 Lec MW 7:00 7:50 1016 ESQUIERDO 01/22-05/31 OP 071

ART 12D OIL/ACRYLIC PAINTING-ADVANCED II 3.0 Units
Advanced projects in oil or acrylic painting with an emphasis on individual creative work and development of personal ideas and style. Prerequisite: Art 12C or equivalent (completed with a grade of “C” or higher).

- E 30014 Lec MW 7:00 7:50 1016 ESQUIERDO 01/22-05/31 OP 071

ART 13A ACRYLIC PAINTING-BEGINNING I 3.0 Units
Projects in acrylic painting with an emphasis on fundamental painting techniques and approaches. Strongly Recommended: Art 2A or equivalent.

- D 32444 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001

ART 13B ACRYLIC PAINTING-BEGINNING II 3.0 Units
Projects in acrylic painting with an emphasis on fundamental painting techniques and approaches. Prerequisite: Art 13A or equivalent (completed with a grade of “C” or higher).

- D 32445 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001

ART 13C ACRYLIC PAINTING-ADVANCED I 3.0 Units
Advanced projects in acrylic painting with emphasis on individual creative work and development of personal ideas and style. Prerequisite: Art 13B or equivalent (completed with a grade of “C” or higher).

- D 32446 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001

ART 13D ACRYLIC PAINTING-ADVANCED II 3.0 Units
Advanced projects in acrylic painting with emphasis on individual creative work and development of personal ideas and style. Prerequisite: Art 13C or equivalent (completed with a grade of “C” or higher).

- D 32447 Lec TTh 9:00 9:50 1006 Staff - Fi 01/22-05/31 OP 001

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).

- D 30006 Lec MW 9:00 9:50 1016 ESQUIERDO 01/22-05/31 OP 001

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).

- D 30009 Lec MW 9:00 9:50 1016 ESQUIERDO 01/22-05/31 OP 001

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).

- D 30012 Lec MW 9:00 9:50 1016 ESQUIERDO 01/22-05/31 OP 001

If PROP 30 fails, classes outlined in red are subject to cancellation.
ART 16D CERAMICS - INTERMEDIATE 3.0 Units
Intermediate technical skills of wheel-thrown and hand-crafted 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).
D 30015 Lec MW 9:00  9:50  1016 THIEL 01/22-05/31 GR 001
D 30016 Lec TTh 9:00  9:50  1016 THIEL 01/22-05/31 GR 001
E 30017 Lec MW 8:00  9:50  1016 GR

ART 17 BEGINNING SCULPTURE 3.0 Units
Construction methods in clay through design of three-dimensional and relief sculptures. Includes an introduction to contemporary ceramic art history and fundamentals of firing procedures.
D 30493 Lec TTh 9:00  9:50  1012 THIEL 01/22-05/31 GR 001

ART 18 WOOD AND STONE SCULPTURE 3.0 Units
Design and carve three-dimensional and 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.
D 30872 Lec MW 9:00  9:50  1012 THIEL 01/22-05/31 OP 001

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.
D 30494 Lec MW 9:00  9:50  1012 THIEL 01/22-05/31 OP 001

ART 21 INDIVIDUAL PROJECTS SCULPTURE 3.0 Units
Projects in 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. Prerequisite: Art 17 (completed with a grade of "C" or higher).
D 31273 Lec TTh 9:00  9:50  1012 THIEL 01/22-05/31 GR 001

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 three-dimensional design quality, craftsmanship, and subject matter, with research in the history of traditional and contemporary metal sculpture.
D 31872 Lec MW 9:00  9:50  1012 THIEL 01/22-05/31 GR 001

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. May not receive credit if ART 10 has been completed.
D 32392 Lec MW 1:00  1:50  1012 THIEL 01/22-05/31 GR 001

ART 24 3-D FOUNDATIONS 3.0 Units
Introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for three-dimensional studio projects.
D 32430 Lec TTh 9:00  9:50  1012 THIEL 01/22-05/31 GR 001

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 31199 Lec MW 10:30  11:45  804 ZULIANI 01/22-05/31 GR 001
D 31198 Lec MW 12:00  1:15  804 ZULIANI 01/22-05/31 GR 001

ARTH 5 RENAISSANCE TO MODERN 3.0 Units
History of Western art from Early Renaissance through High Renaissance, Mannerism, Baroque, Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, and 20th Century developments of American art.
D 31200 Lec MW 3:00  4:15  804 ZULIANI 01/22-05/31 OP 001

ARTH 7 MULTICULTURAL HIST AMER ART 3.0 Units
A multicultural survey of American art from 1800 to the present. Special emphasis on art objects created by Native American, Asian American, African American, and Hispanic/Latino artists and artisans. Considers how art objects express the maker's identity within the specific historical, social, and political circumstances of his or her life. Addresses how male and female artists and artisans from these groups have used various art forms to assert their gender and ethnic identity in response to historical change.
E 32079 Lec Tue 6:30  9:20  804 MULLER 01/22-05/31 GR 011

ARTH 51 MUSEUM STUDIES 4.5 Units
Museum history, theory, and practice. History and theory components are lecture-based; practice components involves hands-on instruction in museum and gallery skills, culminating in the hanging of the Chabot student art show held in the Chabot Art Gallery with one to two field trips to local museums, galleries and/or historical societies.
D 31593 Lec TTh 12:00  1:15  851 MULLER 01/22-05/31 OP 001

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 online astronomy learning environment.
D 31436 Lec TTh 9:00  10:15  1902 DAVE 01/22-05/31 GR 001
D 30438 Lec TTh 1:30  2:45  1902 HILDRETH 01/22-05/31 GR 002
E 30766 Lec Wed 6:30  9:20  1902 SMITH 01/22-05/31 GR 001

If PROP 30 FAILS, CLASSES OUTLINED IN RED ARE SUBJECT TO CANCELLATION.
ASTR 20 STARS AND THE UNIVERSE 3.0 Units

Introduction to the 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 online astronomy learning environment.

D 30493 Lec MW 10:30-11:45 1902 HILDRETH 01/22-05/31 OP 001
D 30933 Lec Th 9:00-10:15 1902 DAVE 01/22-05/31 OP 002

ASTR 30 INTRO TO ASTRONOMY LAB 1.0 Unit

Introduction to laboratory principles and techniques in astronomy. Includes: observational techniques such as naked eye, binocular, and telescopic identification of stars, planets, constellations, and deep sky objects; telescope operation and imaging; spectroscopy, motions of the sun, moon, and planets.

Prerequisite/Corequisite: Astronomy 1, 10 or 20.

E 30634 Lab Mon 6:30-9:20 1810 DAVE 01/22-05/31 OP 071
E 30049 Lab Tue 6:30-9:20 1810 HILDRETH 01/22-05/31 OP 072

AUTOMOTIVE TECHNOLOGY

ATEC 1 AUTOMOTIVE ENGINES 4.0 Units

Automotive engine fundamentals including: configurations and designs, operation, diagnostic tests; disassembly, inspection, threat repair, broken bolt removal, precision measurement, assembly, timing chains and belts, valve adjustments, cooling systems, introduction to engine machining, proper use of related tools and equipment, and safety practices. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent.

E 32382 Lec Mon 6:15 8:30 1623 DAVIS 01/22-05/31 GR 071
Lab Mon 8:45 10:00 1414
Lab Wed 6:15 10:05 1414

ATEC 2 AUTOMATIC TRANSMISS & TRANSAX 3.0 Units

Automatic Transmission fundamentals including: Diagnosis, inspection, repair and adjustment of automatic transmission/transaxle assemblies, torque converters, friction materials, hydraulics, gears, manual and electronic controls, driveshaft and axle operation service and repair. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent. May not receive credit if Automotive Technology 6B+ has been completed.

D 32383 Lec Tue 8:00 9:15 1406 BAUM 01/22-05/31 GR 071
Lab Tue 9:30 11:20 1406
Lab Th 8:00 10:50 1406

ATEC 3 MANUAL TRANSMISSIONS & TRANSAX 3.0 Units

Automotive Manual Transmission fundamentals including: Diagnosis, inspection, repair and adjustment of automotive manual drive train and axle assemblies, final drives, clutches, viscous couplings, and transfer cases. Two, four and all wheel drive assemblies, service and repair. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent. May not receive credit if Automotive Technology 6B+ has been completed.

E 32384 Lec Mon 6:30 7:45 1406 SNIDER 01/22-05/31 GR 071
Lab Mon 8:00 9:15 1406
Lab Wed 6:30 9:45 TBA

ATEC 4 AUTO SUSPENSION & STEERING 3.0 Units

Automatic Suspension and Steering fundamentals including: Diagnosis, inspection, repair, and adjustment of modern automotive steering, suspension, supplemental restraint, tire pressure monitoring, common automotive steering and suspension systems, wheel alignment principles, methods of diagnosis, adjustment and repair, suspension service equipment. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent.

D 32385 Lec Wed 8:00 9:15 1635 BAUM 01/22-05/31 OP 001
Lab Wed 9:30 10:45 1426
Lab Mon 8:00 11:15 1426

ATEC 5A ELECT & ELECTRONICS FUNDAMENTAL 4.0 Units

Automotive Electrical and Electronic fundamentals including: Ohm's Law, basic electrical circuits, components, battery, starting, charging, and basic wiring systems, electrical components and the use of basic wiring diagrams for trouble shooting systems, repair of wiring circuits and correct use of diagnostic equipment. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent. May not receive credit if Automotive Technology 60 has been completed.

D 32386 Lec Th 8:00 10:15 1635 SMALL 01/22-05/31 GR 001
Lab Th 10:30 11:45 1426
Lab Tue 8:00 11:50 1426
E 32387 Lec Th 6:30 8:45 1635 ESPINOZA 01/22-05/31 GR 071
Lab Th 9:00 10:15 1426
Lab Tue 6:30 10:20 1426

ATEC 5B ELECT & ELECTRONICS SYSTEMS 3.0 Units

Automotive body electronics, vehicle lighting, instrumentation, OEM audio, navigation, and communication systems, supplemental restraint systems, starter interlock systems, computer controlled charging systems. Prerequisite: Automotive Technology 6A or equivalent. May not receive credit if Automotive Technology 71 or 71A has been completed.

D 32389 Lec Tue 1:00 2:15 1635 SMALL 01/22-05/31 GR 001
Lab Tue 2:45 4:00 1426
Lab Th 1:00 4:15 1426

ATEC 7 HEATING & AIR CONDITION SYSTEMS 2.5 Units

Automotive Heating and Air Conditioning including: Diagnosis, testing, adjustment, and repair of air conditioning, cooling and heating systems, heat and energy, psychrometrics, air flow, refrigerant recycling, equipment and controls. Prerequisite: Automotive Technology 50 (may be taken concurrently) or equivalent. Strongly Recommended: Automotive Technology 6A or equivalent. May not receive credit if Automotive Technology 62 has been completed.

D 32390 Lec Mon 8:00 9:15 1635 SMALL 01/22-05/31 GR 001
Lab Mon 9:45 11:00 1426
Lab Wed 8:00 11:15 1426

ATEC 10 ADVANCED ENGINE PERFORMANCE 3.0 Units

Automotive Engine Management Systems including: Ignition systems, combustion process, emission control devices, diagnostic practices for drivability, emissions on board diagnostic systems, vehicle systems integration, and new engine technology. Prerequisite: Automotive Technology 6A or equivalent. May not receive credit if Automotive Technology 71 or 71B has been completed.

D 32391 Lec Tue 8:00 9:15 1635 SMALL 01/22-05/31 GR 001
Lab Tue 9:45 11:00 1426
Lab Wed 8:00 11:15 1426

ATEC 50 INTRO AUTOMOTIVE TECH 3.0 Units

Automotive industry fundamentals including engine operating principles, engine teardown and diagnosis, fasterer 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.

D 32381 Lec Tue 8:00 10:15 1635 SHABDOLT 01/22-05/31 OP 001
Lab Th 8:00 10:15 1426
D 31605 Lec Wed 1:30 3:45 1635 SNIDER 01/22-05/31 OP 002
Lab Mon 1:30 3:45 1426
D 31808 Lec Thu 1:30 3:45 1635 BAUM 01/22-05/31 OP 003
Lab Tue 1:30 3:45 1426
E 30901 Lec Wed 6:30 8:45 1635 VAN BRASCH 01/22-05/31 OP 071
Lab Wed 6:30 8:45 1426

ATEC 63A INTRO ENGINE/MACHINING PROCESS 3.0 Units

Diagnosis, inspection, and repair of various engine type: machining operations, engine teardown and diagnosis, fasterer 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.

D 32391 Lec Tue 8:00 9:15 1635 MACAULEY 01/22-05/31 GR 001
Lab Tue 9:45 11:00 1414
Lab Th 8:00 11:15 1414
A strongly recommended: ATEC 8, ATEC 63A and vehicle management principles are reinforced. and repair in VANOS, Valvetronic, differential intake air systems (DISA), engine management, ignition, emissions, and performance controls. BMW Engine Electronics & Engine Technology entails the breakdown of current BMW engines and their electrical systems, including communication systems, power modules, car access systems (CAS) and voltage supply systems. Prerequisite: Automotive Technology 9901 or equivalent (completed with a grade of "C" or higher).

BMW 10 BMW TECHNICAL SYSTEMS
Introduces students to hybrid vehicle diagnosis and repairs. Students will also learn about alternative fuel vehicles available today. Students will acquire knowledge and experience on electric vehicle systems focusing on diagnosis, repair, safety, and the application and operation of alternate fuels used on today's vehicles. Prerequisite: Automotive Technology 50 or equivalent.

BMW 10 BMW BODY ELECTRONICS
BMI Body Electronics covers basic electricity, DVOM's, breakout boxes and connectors, understanding diagnostics, BMW's drive away protection system (EWS), 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.

BMW 30 BMW CHASSIS DYNAMICS
BMI 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.

BMW 40 BMW ENG ELEC & ENG TECH
BMI Engine Electronics & Engine Technology entails the breakdown of current BMW engine management systems into power supply, fuel management, engine management, ignition, emissions, and performance controls. Engine diagnosis and repair in VANOS, Valvetronic, differential intake air systems (DISA), engine and vehicle management are reinforced. Prerequisite: BMW 10, BMW 20. Strongly Recommend: ATEC 8, ATEC 63A.

BIOL 2 PRINCIPLES OF CELL/MOLECULAR
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 1 or equivalent.

BIOL 3 PRINCIPLES OF PLANT BIOLOGY
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 population genetics. Intended for biological sciences majors. Prerequisite: Mathematics 55 or equivalent (completed with a grade of "C" or higher).

BIOL 4 PRINCIPLES OF PLANT BIOLOGY & ECOLOGY
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.

BIOL 10 INTRO TO THE SCIENCE OF BIOL
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.
### BIOLOGICAL SCIENCES-(ENVIRONMENTAL SCIENCE)

#### 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.*

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<td>D 30231 Lec MW 8:30-10:20 1607 KALYAGIN</td>
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<td>E 30021 Lec Th 2:35-5:25 1607 BHANGAL</td>
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#### 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.*

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### 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.

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### BUSINESS

#### 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.

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<td>E 30888 Lec Th 2:30-4:20 1613 KLEIN</td>
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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.
Prerequisite: Business 1A (completed with a grade of "C" or higher).

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.

BUS 4  COST ACCOUNTING  3.0 Units
Principles of cost build up and techniques for gathering cost, cost control, job order, and process costing, managerial use of cost data, emphasis on application of principles. Prerequisite: Business 1B (completed with a grade of "C" or higher).

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 16  BUSINESS MATHEMATICS  3.0 Units
Mathematics to solve typical business problems including simple interest, compound interest, installment sales, trade and cash discounts, markup percents, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks, bonds, and distribution of ownership and profits.

BUS 21  HUMAN RESOURCE MANAGEMENT  3.0 Units
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.

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.

BUS-12-ON1, ON2 & ON3 are online courses with no required on-campus meetings.

BUS-14-ON1 is an online course with no required on-campus meetings.

BUS-22-ON1 is an online course with no required on-campus meetings.

If PROP 30 fails, classes outlined in red are subject to cancellation.
BUS 26 SMALL BUSINESS MANAGEMENT 3.0 Units
Application of management principles to the selection, establishment, and operation of a small business. Strongly Recommended: Business 1A or Business 7.

BUS 34 INTRO TO ADVERTISING 3.0 Units
Contributions of advertising to marketing and communication, including coordination and development of sales promotion programs, media selection, copy writing, research and budgeting.

BUS 36 INTRO TO MARKETING 3.0 Units
Survey of marketing, including consumer behavior, company and environmental analysis, market segmentation, product development, pricing, promotion, and distribution.

BUS 40 INTERNATIONAL BUSINESS 3.0 Units
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.

BUS 50A SKILLS FOR SUPERVISORS 1.0 Unit
This course will provide survival skills for new supervisors and those who aspire to move to managerial positions. Necessary skills of time management, leadership, planning, motivation, conducting meetings, communication, handling stress, conflict, and performance appraisals will be discussed. Student will be involved in a variety of management exercises, discussions, current trends in supervision, and real-world cases.

BUS 50C INTERVIEWING FOR SUCCESS 1.0 Unit
Principles and techniques of successful employment interviews: interview preparation, selling your qualifications, managing difficult qualifications, following up on the interview.

BUS 50F DEVELOPING A BUSINESS PLAN 1.0 Unit
Research, analysis and outlining logical and persuasive business plans, including market and competitive analysis financial plans, management and operational plans, and plan outlines and executive summaries.

BUS 50J TIME MANAGEMENT SKILLS 1.0 Unit
Practical tips and tools to manage time in academic and business-related situations. Setting short-term and long-term goals. Prioritization of goals and activities. Developing plans; organizing your workplace. Typical time wasters/ time leaks, including procrastination, and ways of overcoming them.

BUS 50N DEALING WITH DIFFICULT PEOPLE 1.0 Unit
Techniques for resolving and preventing interpersonal conflict in the workplace.

BUS 71 HEALTH CARE LAW 3.0 Units
Survey of the unique legal issues in health care, including HIPAA (patient privacy laws and regulations), Medicare and Medicaid reimbursement requirements, negligence/malpractice issues, advance directives, and employment law for medical staff and independent contractors.

BUS 92 EXCEL SPREADSHEETS FOR ACCTG 2.0 Units
Fundamentals of using electronic spreadsheets (Microsoft Excel) for accounting principles. 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.

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 1A GENERAL COLLEGE CHEMISTRY I 5.0 Units
Introduction to atomic structure, bonding, stoichiometry, thermochmistry, 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 35 or 35B 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.
<table>
<thead>
<tr>
<th>Code: OP = Class taken for letter grade or pass/no pass; P/N = Class taken for pass/no pass only; GR = Class taken for letter grade only • D = Day Class; E = Evening Class; O = Online Class; S = Saturday Class</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHEM 1B GENERAL CHEMISTRY II</strong> 5.0 Units</td>
</tr>
<tr>
<td>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 qualitative techniques, including instrumentation, and qualitative analysis. <strong>Prerequisite:</strong> Chemistry 1A (completed with a grade of “C” or higher).</td>
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<td><strong>CRN</strong></td>
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<td>E 31196</td>
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<tr>
<td>Lab TTh</td>
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</tbody>
</table>

| **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.** |
| **CRN** | **Day(s)** | **Times** | **Room** | **Instructor** | **Dates** | **Code** | **Sec** |
| D 30337 | Lec Mon | 6:30 9:20 | 3921 GIBSON | 01/22-05/31 | OP ON1 | OP |
| By Arr | 3.0 Hrs/Wk ONLINE | OP |
| CHEM 10, is a hybrid course conducted both on-campus (50%) and over the internet (50%). The times listed above are mandatory in class attendance time. |

| **CHEM 12B ORGANIC CHEMISTRY II** 5.0 Units |
| Continuation of Chemistry 12A with an introduction to the chemistry of aromatics, amines, carbocations, carboxylic acids, carboxylic acid derivatives, aldehydes, ketones and biochemical topics focusing on structure, synthesis, and mechanisms of reaction. Laboratory work in basic techniques, synthetic methods, and qualitative spectroscopic and chromatographic analysis techniques. Designed for students whose interests require a full year in-depth study of organic chemistry. **Prerequisite:** Chemistry 12A (completed with a grade of “C” or higher). |
| **CRN** | **Day(s)** | **Times** | **Room** | **Instructor** | **Dates** | **Code** | **Sec** |
| D 30644 | Lec Mon | 7:30 9:20 | 3932 PITCHER | 01/22-05/31 | GR | 001 |
| Lec Wed | 8:30 9:20 | 3932 | GR |
| Lab Mon | 9:30 10:20 | 3931 | GR |
| Lab Tue | 7:30 12:00 | 3931 | GR |
| D 30692 | Lec Mon | 7:30 9:20 | 3932 PITCHER | 01/22-05/31 | GR | 002 |
| Lec Wed | 8:30 9:20 | 3932 | GR |
| Lab Wed | 9:30 10:20 | 3931 | GR |
| Lab Th | 7:30 12:00 | 3931 | GR |
| D 30911 | Lec Mon | 1:00 2:50 | 3932 Staff - Sc | 01/22-05/31 | GR | 003 |
| Lec Wed | 1:00 1:50 | 3932 | GR |
| Lab Wed | 2:00 2:50 | 3931 | GR |
| Lab Fri | 10:30 1:30 | 3931 | GR |

| **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). |
| **CRN** | **Day(s)** | **Times** | **Room** | **Instructor** | **Dates** | **Code** | **Sec** |
| D 30072 | Lec TTh | 7:40 8:55 | 1908 DOCKER | 01/22-05/31 | GR | 001 |
| Lab Tue | 9:00 11:50 | 3901 | GR |
| D 30761 | Lec TTh | 7:40 8:55 | 1908 DOCKER | 01/22-05/31 | GR | 002 |
| Lab Th | 9:00 11:50 | 3901 | GR |
| E 30764 | Lec MW | 5:45 7:00 | 1904 Staff - Sc | 01/22-05/31 | GR | 071 |
| Lab Mon | 7:05 9:55 | 3901 | GR |
| E 30926 | Lec MW | 5:45 7:00 | 1904 Staff - Sc | 01/22-05/31 | GR | 072 |
| Lab Wed | 7:05 9:55 | 3901 | GR |

**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. |
| **CRN** | **Day(s)** | **Times** | **Room** | **Instructor** | **Dates** | **Code** | **Sec** |
| D 31567 | Lec MW | 9:00 10:15 | 801 KEELING-HAI | 01/22-05/31 | OP | 001 |
| D 31566 | Lec MW | 9:00 10:15 | 811 PEETERS | 01/22-05/31 | OP | 002 |
| D 31565 | Lec MW | 10:30 11:45 | 801 KEELING-HAI | 01/22-05/31 | OP | 003 |
| D 31577 | Lec MW | 10:30 11:45 | 802 WARDA | 01/22-05/31 | OP | 004 |
| D 31568 | Lec MW | 12:00 1:15 | 801 HUNTER | 01/22-05/31 | OP | 005 |
| D 31576 | Lec MW | 1:30 2:45 | 801 WARDA | 01/22-05/31 | OP | 006 |
| D 31578 | Lec MW | 10:30 11:45 | 801 STAFF-Lang | 01/22-05/31 | OP | 007 |
| D 31579 | Lec MW | 9:00 10:15 | 801 DAVIS | 01/22-05/31 | OP | 008 |
| D 31580 | Lec MW | 9:00 10:15 | 801 WARDA | 01/22-05/31 | OP | 009 |
| D 31571 | Lec MW | 10:30 11:45 | 801 STAFF-Lang | 01/22-05/31 | OP | 010 |
| D 31570 | Lec MW | 9:00 10:15 | 801 STAFF-Lang | 01/22-05/31 | OP | 011 |
| D 31572 | Lec MW | 10:30 11:45 | 801 STAFF-Lang | 01/22-05/31 | OP | 012 |
| D 31573 | Lec MW | 10:30 11:45 | 801 STAFF-Lang | 01/22-05/31 | OP | 013 |
| D 31581 | Lec Fri | 9:00 11:50 | 801 IANNIELLO | 01/22-05/31 | OP | 014 |
| D 31582 | Lec By Arr | 3.0 Hrs/Wk ONLINE | 801 IANNIELLO | 01/22-05/31 | OP | 015 |
| COMM 1-OP1 is a hybrid course with six on-campus meetings. This course meets face to face in building 300, room 354 from 9:00 am to 12:50 p.m. on the following Saturdays: January 26, February 9, March 9, April 13, April 27, and May 11. |

| **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. |
| **CRN** | **Day(s)** | **Times** | **Room** | **Instructor** | **Dates** | **Code** | **Sec** |
| D 31724 | Lec MW | 10:30 11:45 | 801 MARTINEZ | 01/22-05/31 | OP | 001 |

If PROP 30 fails, classes outlined in red are subject to cancellation.
COMM 6 INTRO TO PERFORMANCE STUDIES 3.0 Units
Exploration of historically influential activist performances and contemporary performance art/installment pieces. Development of an understanding of basic interdisciplinary performance theories from everyday life, ritual, and on-stage. Emphasis on creating, discussing, and observing performances as tools for social critique.

D 32038 Lec TTh 1:30 2:45 802 WARDA 01/22-05/31 OP CIN

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.

D 31584 Lec TTh 10:30 11:45 801 MARTINEZ 01/22-05/31 OP 002
E 31946 Lec Tue 6:30 9:20 802 MARTINEZ 01/22-05/31 OP 071

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 crisscrossing dynamics of race, ethnicity, gender, and class. Emphasis on practical application of skills for effective communication between people of different domestic and international cultures.

D 31575 Lec MW 12:00 1:15 802 MARTINEZ 01/22-05/31 OP 001

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.

D 31576 Lec MW 1:30 2:45 810 AMES 01/22-05/31 GR 001

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 31585 Lec MW 10:30 11:45 810 AMES 01/22-05/31 OP 001
E 31947 Lec Th 6:30 9:20 802 ZELL 01/22-05/31 OP 071

COMM 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 31587 Lab Tue 2:30 4:20 810 AMES 01/22-05/31 GR 001

As a condition of enrollment for this class, students will be required to sign an agreement to conform to a code of conduct.

COMM 4902 COMMUNICATION TUTOR TRAINING 2.0-3.0 Units
An introduction to tutor training for the Communication Laboratory. Through lecture and hands-on tutoring experience students will demonstrate lab procedure, specific tutor techniques, and knowledge of basic components of public speaking. Strongly Recommended: COMM 1 or equivalent.

O 32041 Lec By Arr 1.0 Hrs/Wk 803 MARTINEZ 01/22-05/31 P/N T31
Lab By Arr 3.0 Hrs/Wk 803 P/N

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 critique. Strongly Recommended: Eligibility for English 1A.

D 32037 Lec TTh 10:30 11:45 810 WARDA 01/22-05/31 OP 001

If PROP 30 fails, classes outlined in red are subject to cancellation.

Chabot College • Spring 2013 Class Schedule • 510.723.6600 • www.chabotcollege.edu
<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>INTRO TO MICROSOFT ACCESS</td>
<td>3.0</td>
<td>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 72G.</td>
</tr>
</tbody>
</table>

**CAS 72A**  ELEM COMP KEYBOARDING I  1.0 Unit

Introduction to the computer keyboard for developing correct keyboarding skills.

O 30425 By Arr  6.7 Hrs/Wk ONLINE CLINE 01/22-03/14 P/N EN1
O 31121 By Arr  6.7 Hrs/Wk ONLINE CLINE 03/18-05/15 P/N EN2
CAS 72A-EN1 & EN2 are a late start online course with no required on-campus meetings.

**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 31122 By Arr  6.7 Hrs/Wk ONLINE CLINE 03/18-05/15 P/N EN1
O 31965 By Arr  6.7 Hrs/Wk ONLINE WONG 01/22-03/14 P/N EN2
CAS 72B-EN1 & EN2 is a late start online course with no required on-campus meetings.

**CAS 72C**  COMP KEYBOARDING III  1.0 Unit

Self-paced computer keyboard review for improving keyboarding accuracy and speed. Strongly Recommended: Computer Application Systems 72A or Computer Application Systems 72B.

O 31123 By Arr  6.7 Hrs/Wk ONLINE REINOSA 03/18-05/15 P/N EN1
CAS 72C-EN1 are a late start online course with no required on-campus meetings.

**CAS 72D**  INTRO TO MICROSOFT WORD  1.0 Unit

Introduction to word processing using Microsoft Word. Strongly Recommended: Computer Application Systems 72A or Computer Application Systems 72B.

D 31857 By Arr  6.7 Hrs/Wk ONLINE REINOSA 01/22-03/14 P/N EN1
CAS 72D-EN1 is an online class with no required on-campus meetings. For important additional information, go to http://www.chabotcollege.edu/online
O 30427 By Arr  6.7 Hrs/Wk ONLINE REINOSA 03/18-05/15 P/N EN2
CAS 72D-EN2 is a late start, online class 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.

D 30426 By Arr  6.7 Hrs/Wk ONLINE REINOSA 01/22-03/14 P/N EN1
CAS 72E-EN1 is an online course with no required on-campus meetings.
O 31858 By Arr  6.7 Hrs/Wk ONLINE CLINE 03/18-05/15 P/N EN2
CAS 72E-EN2 is a late start, online course with no required on-campus meetings.

**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.

D 30428 By Arr  6.7 Hrs/Wk ONLINE WHITEHEAD 01/22-03/14 P/N EN1
CAS 72F-EN1 is an online course with no required on-campus meetings.

**CAS 72G**  INTRO TO MICROSOFT ACCESS  1.0 Unit

Introduction to databases using Microsoft Access. Strongly Recommended: Computer Application Systems 72A or Computer Application Systems 72B.

O 31966 By Arr  6.7 Hrs/Wk ONLINE WONG 01/22-03/14 P/N EN1
CAS 72G-EN1 is a late start, online course with no required on-campus meetings.

**CAS 72J**  TEN-KEY  1.0 Units

Self-paced ten-key course using the computer numeric keypad.

O 30429 By Arr  6.7 Hrs/Wk ONLINE BRICHACEK 03/18-05/15 P/N EN1
CAS 72J-EN1 is an online course with no required on-campus meetings.

**CAS 72K**  BUS ENGLISH SKILLS I  1.0 Unit

Self-paced Business English course focusing on English fundamentals as applied to business documents.

O 31214 By Arr  6.7 Hrs/Wk ONLINE BRICHACEK 01/22-03/14 P/N EN1
CAS 72K-EN1 is an online course with no required on-campus meetings.

**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 31885 By Arr  6.7 Hrs/Wk ONLINE BRICHACEK 03/18-05/15 P/N EN1
CAS 72L-EN1 is a late start, online course with no required on-campus meetings.

**CAS 72P**  INTRODUCTION TO WINDOWS  1.0 Unit

Self-paced course focusing on the fundamentals of the latest version of Microsoft operating system; working with Windows programs; customizing the Desktop; and managing files and folders. Previous computer and keyboarding skills are highly desirable.

O 31999 By Arr  6.7 Hrs/Wk ONLINE WHITEHEAD 01/22-03/14 P/N EN1
CAS 72P-EN1 is an online course with no required on-campus meetings.

**CAS 72Q**  MICROSOFT OUTLOOK  1.0 Unit

Learn the basics of using Microsoft Outlook. Use Outlook email features to send receive, reply to and forward email messages. Find out how to format, track messages and create auto-signatures. Learn to utilize the office clipboard, attach files to messages and open and save attached files. Discover how to use the calendar feature, manage contacts, and work with tasks.

O 32000 By Arr  6.7 Hrs/Wk ONLINE WHITEHEAD 01/22-03/14 P/N EN1
CAS 72Q-EN1 is a late start, online course with no required on-campus meetings.

**CAS 88A**  MICROSOFT WORD I  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.)

D 30241 Lec TTh 1:00  1:50 1611 DERMODY 01/22-05/31 GR 001
GR
O 31967 By Arr  9.0 Hrs/Wk ONLINE BRICHACEK 01/22-03/14 P/N EN1
CAS 88A-EN1 is an online course with no required on-campus meetings.

**CAS 88B**  MICROSOFT WORD II  3.0 Units

Advanced word processing techniques using Microsoft Word to produce complex business letter, memos, reports, tables, long documents, table of contents, advanced document formatting; including linking documents to other Microsoft Office applications, working with advanced graphic functions, saving documents as web pages, inserting hyperlinks and macros, creating indexes and bookmarks. Prepares students to take the Microsoft Office Specialists, (MOS) expert level certifications. Strongly Recommended: Computer Application Systems 88A.

O 31059 By Arr  9.0 Hrs/Wk ONLINE DERMODY 03/18-05/16 OP EN1
CAS 88B-EN1 is an online course with no required on-campus meetings.

If Prop 30 fails, classes outlined in red are subject to cancellation.
### 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 ergonomic keyboarding skills. This course is designed for students with disabilities.

**D 30757 Lec MW 2:30  3:20  303  GODLE 01/22-05/31  P/N 001**
**Lab MW 3:30  4:45  303  P/N**

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### 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.

**D 30758 Lec TTh 2:30  3:20  303  GODLE 01/22-05/31  P/N 001**
**Lab TTh 3:30  4:45  303  P/N**

### 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.

**D 30759 Lec Mon 2:40  5:10  2407  ALLEN 01/22-05/31  P/N 001**
**Lab MTWTh 8:00  8:50  2407  P/N**
**Lab Th 12:00  12:50  2407  P/N**
**Lab Wed 6:00  6:50  2407  P/N**
**D 31806 Lec MTW 8:00  8:50  2407  ALLEN 01/22-05/31  P/N 002**
**Lab MTWTh 8:00  8:50  2407  ALLEN 01/22-05/31  P/N 003**
**Lab Th 12:00  12:50  2407  P/N**
**Lab Wed 6:00  6:50  2407  P/N**

### 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.

**D 30760 Lec Th 3:30  4:45  2407  ALLEN 01/22-05/31  P/N 001**

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### COMPUTER SCIENCE

### CSCI 6  COMPUTER PROG- VISUAL THINKERS  3.0 Units
Students work within 2D and 3D virtual worlds to create interactive games, stories and animations. Programs are assembled using a drag-and-drop interface to bypass the abstract syntax rules required by conventional languages. Topics covered include variables, data types, expressions, input/output, logic and control flow, loops, functions, parameters, arrays, recursion, flowcharts, graphics, animation, 3D modeling, and computer game design.

**D 31497 Lec Fri 12:00  1:50  1812  TRAUGOTT 01/22-05/31  OP 001**
**Lab Fri 2:00  3:50  1812**

### CSCI 7  INTRO COMP PROGRAM CONCEPTS  3.0 Units
Introduction to computing for nonscience 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.

**D 31087 Lec MW 1:30  2:45  1813  MEHL 01/22-05/31  OP 001**
**Lab Wed 2:55  3:50  1813**
**D 30769 Lec TTh 1:30  2:45  1813  MEHL 01/22-05/31  OP 002**
**Lab Th 2:55  3:50  1813**

### 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:

**D 30816 Lec MW 12:00  12:50  1812  TRAUGOTT 01/22-05/31  OP 001**
**Lab MW 1:00  1:50  1812**
**D 31128 Lec TTh 10:30  11:20  1812  CHUN 01/22-05/31  OP 002**
**Lab TTh 1:00  1:50  1812**
**O 30768 By Arr 4.0 Hrs/Wk  ONLINE  TRAUGOTT 01/22-05/31  OP ON**

**CSCI 8-ON1** is an online course with no required on-campus meetings.
<table>
<thead>
<tr>
<th>Code</th>
<th>OP</th>
<th>Class taken for letter grade or pass/no pass; P/N = Class taken for pass/no pass only; GR = Class taken for letter grade only</th>
<th>D = Day Class; E = Evening Class; O = Online Class; S = Saturday Class</th>
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<tbody>
<tr>
<td>CRN</td>
<td>Type Day(s)</td>
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<td>OP</td>
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<tr>
<td>E 31187</td>
<td>Lec  TTh</td>
<td>6:00 7:15 1812 MEHL</td>
<td>01/22-05/31</td>
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<tr>
<td>Lab</td>
<td>TTh</td>
<td>7:20 8:35 1812</td>
<td>OP</td>
</tr>
</tbody>
</table>

**CSCI 14**  **INTRO/STRUCTURED PROGR IN C++**  4.0 Units
Intro to structured programming and problem solving using the C++ language. Problem solving techniques, algorithm design, testing and debugging techniques, and documentation standards. C++ syntax: elementary operators, data types, control structures, user-defined and library functions, basic input/output, sequential files, arrays and structs. Appropriate for students with little or no programming experience, but comfortable using computers with modern GUI operating systems. **Prerequisite:** Mathematics 55, 55B, 55L, 54 or 54L (completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process, or Computer Science 7 (completed with a grade of “C” or higher).

**CSCI 19A**  **OBJECT-ORIENTED PROG IN JAVA**  4.0 Units
Object-oriented programming methods employed to design, program, test and document intermediate level problems in the Java language. Overview of Java syntax, control structures, methods, I/O, strings, single and multidimensional arrays, recursion and exception handling. Abstract Data Types and Object-Oriented Programming principles including classes, information hiding, aggregation, inheritance, method overriding and polymorphism. Introduction to graphical user interfaces (GUIs) and applets using java.swing package. Dynamic allocation and deallocation of memory; comparison of Java references with pointers in C++. Implementation and use of linked lists. Designed to satisfy Association of Computing Machinery (ACM) guidelines for CS I as required for Computer Science and related transfer majors. **Strongly Recommended:** Computer Science 14 and Mathematics 20 (completed with a grade of “C” or higher).

**CSCI 20**  **INTRO TO DATA STRUCT IN C++**  4.0 Units
Design and implementation of larger projects in C++ using software engineering principles. Emphasis on definition and use of data structures. Includes specification of Abstract Data Types, recursion, dynamic memory allocation, stacks, linked lists, priority queues, graphs, binary trees, heaps, sorting and searching, algorithm analysis, hashing techniques, random access files. **Prerequisite:** Computer Science 15 (completed with a grade of “C” or higher).

**DENTAL HYGIENE**

**DHYG 50C**  **DENTAL HYGIENE ORIENTATION III**  0.5 Unit
Orientation for second year dental hygiene students providing information regarding scheduling for complex cases, course requirements, program policies and procedures as well as patient/clinical competencies. **Prerequisite:** Dental Hygiene 81A.

**DHYG 51**  **GENERAL AND ORAL PATHOLOGY**  4.0 Units
Oral pathology and dysfunctions of systems of the body which directly affect the oral cavity. Significance of oral and general pathology in relationship to treatment by the dental hygienist. **Corequisite:** Current enrollment in the Dental Hygiene Program.

**DHYG 52B**  **ADVANCED PERIODONTICS**  1.0 Units
Continuation of 52A. Research-based comprehensive periodontal therapy. Focus on systemic diseases and their relationship to periodontal disease and adjunct periodontal treatment modalities through the use of evidence-based research and case studies. **Prerequisite:** Dental Hygiene 52A (completed with a grade of “C” or higher).

**DHYG 55A**  **DENTAL MATERIALS**  1.0 Unit
General and specialty practice materials and techniques. **Prerequisite:** Dental Hygiene 69A (completed with a grade of “C” or higher).

**DHYG 56B**  **COMMUNITY DENTAL HEALTH II**  1.0 Unit
Continuation of Dental Hygiene 56A. Individual and community oral health problems, with emphasis on the dental hygienist as a resource person. **Prerequisite:** Dental Hygiene 56A (completed with a grade of “C” or higher).

**DHYG 58**  **DENTAL OFFICE PRACTICE**  1.0 Unit
Dental office practices based on sound dental economics, legal and ethical framework of the State Dental Practice Act, and patient needs and services. Opportunities in the dental hygiene profession. **Corequisite:** Dental Hygiene 81B.

**DHYG 69B**  **TREATMENT/EVALUATION DENT HYG**  1.0 Unit
Continued development of the principles of assessment in dental hygiene care. Prevention, non-surgical periodontal therapy and maintenance through application of the Dental Hygiene process, including assessment, planning, goal setting, implementing and evaluation used in providing dental hygiene care. Emphasis on evaluation of dental hygiene care as an essential component of the dental hygiene process. **Prerequisites:** Dental Hygiene 69A and 71A (both completed with a grade of “C” or higher). **Corequisite:** Dental Hygiene 75.

**DHYG 71B**  **CLINICAL DENTAL HYGIENE**  4.0 Units
Continuation of laboratory and clinical experiences in patient assessment with emphasis on dental hygiene care planning, goal setting and implementation of instrumentation techniques for providing prevention-oriented dental care and non-surgical periodontal therapy. Introduction to the technical skills and procedures used in the clinical practice of dental hygiene. **Prerequisite:** Dental Hygiene 71A (completed with a grade of “C” or higher). **Corequisite:** Dental Hygiene 69B and 75.

**DHYG 73**  **EDUCATIONAL THEORIES DHYG CARE**  1.5 Units
Basics of research processes associated with clinical dental hygiene practice. Teaching, learning, and research processes. Application of principles for patient education. Identification of effective environments for teaching and learning. **Prerequisites:** Dental Hygiene 69A and 71A. **Corequisite:** Dental Hygiene 69B and 71B.

**DHYG 74B**  **DENTAL RADIOGRAPHY II**  1.5 Units
Continuation of clinical experience in exposing films, group and individualized criticism of mounted films; principles of Panographic radiology; special patient needs; occlusal and pedodontic surveys; emphasis on radiographic interpretive skills. **Prerequisite:** Dental Hygiene 74A (completed with a grade of “C” or higher).
Prerequisite: Dental Hygiene 80B or Dental Hygiene 81B.

DIGM 75 MEDICAL EMERGENCIES 1.0 Unit
Prevention, recognition, and management of medical emergencies that occur in the dental setting. Corequisite: Dental Hygiene 69B and Dental Hygiene 71B.

DIGM 80B ADVANCED CLINICAL TOPICS 1.0 Unit
Continuation of skills and knowledge in dental hygiene therapy and disease control with emphasis on comprehensive patient care. Prerequisite: Dental Hygiene 80A (completed with a grade of “C” or higher). Corequisite: Dental Hygiene 81B, 82B and 83.

DIGM 81B CLINICAL PRACTICE II/DHYG 2.0 Units
Continuation of clinical experience with a variety of clinical cases of adults and children to include a broad spectrum of clinical applications. Prerequisite: Dental Hygiene 81A (completed with a grade of “C” or higher). Corequisite: Dental Hygiene 58, 80B, 82B, 83.

DIGM 82B CLINICAL EXPER SEMINAR II/DHYG 2.0 Units
Discussion and analysis of complex case-based clinical situations. Ethical, legal decision making, occupational standards and incident reporting in the clinical setting. Review of materials pertaining to the National Dental Hygiene Board and decision making, occupational standards and incident reporting in the clinical setting. Review of materials pertaining to the National Dental Hygiene Board and the Clinical Hygiene Board exams. Corequisite: Dental Hygiene 58 and 80B.

DIGM 83 PATIENTS WITH SPECIAL NEEDS 1.0 Unit
Dental Hygiene therapy on patients with special needs. Prerequisite: Dental Hygiene 80A (completed with a grade of “C” or higher). Corequisite: Dental Hygiene 80B and 81B.

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.

DIGM 32A ILLUSTRATOR I 1.5 Units
Introduction to the use of Adobe Illustrator software for digital illustration. Emphasis on the use of vector-based tools for artistic and technical drawing, enhancement of illustrations through the addition of text, gradients, patterns, transparency, and effects.

DIGM 32B ILLUSTRATOR II 1.5 Units
Continuation of the content and skills introduced in Digital Media 32A (Illustrator I). Creation of custom brushes and patterns; masking and distorting objects; simulating lights and shadow through use of gradients, blends, meshes, and 3D effects; preparing files for commercial printing. Prerequisite: Digital Media 32A or Architecture 32A or Art 32A or Photography 32A (completed with a grade of “C” or higher).

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.

DIGM 37 FLASH ACTIONSCRIPT 3.0 Units
Introduction to Adobe Flash, an authoring application for creating animation and user interfaces, with emphasis on using the ActionScript scripting language to add interactivity to web pages. Basic object-oriented programming techniques; importing and modifying images, sounds, and video clips; using interface elements such as menus, button groups, sliding controls, and text-input fields to control animation, sound, and other multimedia elements.

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.

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.

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.

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, peers, groups, school, and work. Emphasis on the continuity, observation, scientific methods, and stages of development.

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.

ECD 55 ON1 is an online class with no required on-campus meetings.
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.

D 31939 Lec  MW  9:00-10:15  502  MCCREGOR 01/22-05/31  GR  001
D 31940 Lec  TTh  10:30-11:45  558  MCCREGOR 01/22-05/31  GR  002
E 31943 Lec  Mon  6:30-9:20  558  Staff - So 01/22-05/31  GR  071
S 31942 Lec  Sat  9:00-11:50  506  CALOCA 01/22-05/31  GR  082

ECD 59  LITERACY IN EARLY CHILDHOOD  3.0 Units
Enhance the early literacy outcomes of young children by improving teachers' knowledge of early literacy development and their skills in teaching early literacy to young children from birth through school age. Strongly Recommended: Early Childhood Development 56.

S 32302 Lec  Sat  12:00-2:50  554  Staff - So 01/22-05/31  GR  082

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 30126 Lec  Th  6:30-9:20  556  Staff - So 01/22-05/31  GR  071

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, dynamics in 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 31250 Lec  TTh  1:00-2:15  504  SHERRY 01/22-05/31  GR  001
E 30239 Lec  Mon  6:30-9:20  554  Staff - So 01/22-05/31  GR  071
D 31525 By Arr  3.0 Hrs/Wk  ONLINE OZDEMIR 01/22-05/31  ON1

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. Prerequisites: Early Childhood Development 50 and Early Childhood Development 56 (both completed with a grade of “C” or higher).

D 30127 Lec  MW  12:00-1:15  3521 OZDEMIR 01/22-05/31  GR  001
Lab  MW  9:00-10:15  3521  GR

S 30128 Lec  MW  12:00-1:15  3521 OZDEMIR 01/22-05/31  GR  001
Lab  MW  9:00-10:15  3521  GR

ECD 68  PROGRAM SUPERVISION  3.0 Units
Management of Early Care and Education programs which includes: strategic planning, group dynamics, supervision of staff and volunteers, development of motivation and morale; leadership skills, functions of personnel, interviewing skills, interpersonal and group conflicts, staff evaluations, and working effectively with families and advisory boards. Designed to provide knowledge of methods and principles of working with adults in a supervisory capacity in Early Care and Education settings. Prerequisites: Early Childhood Development 62 and 63 (completed with a grade of “C” or higher).

E 31378 Lec  Th  6:30-9:20  559  Staff - So 01/22-05/31  GR  071

ECD 69  CHILD STUDY THROUGH OBSERVATION  3.0 Units
Current approaches for observing 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 32305 Lec  Sat  9:00-11:50  556  STAFF 01/22-05/31  OP  001

ECD 79  TEACH IN A DIVERSE SOCIETY  3.0 Units
Critical examination of societal and personal attitudes and beliefs, values, assumptions and biases about culture, race, language, identity, family structures, ability, socio-economic status and other issues influenced by systemic oppression. Recognize and confront barriers that interfere with ones ability to work effectively with diverse populations of children and families. Enhance teacher's skills for educating children in a pluralistic society.

E 31533 Lec  Th  6:30-9:20  504  KELLEY 01/22-05/31  OP  071

ECD 87  QUALITY ENVIROMNT INFNT/TODDLR  3.0 Units
Observation and analysis of infant/toddler classrooms. Design of interior and exterior learning environment to meet developmental needs of children birth to 36 months. Using observations and developmental charts, students will plan appropriate learning experiences for infants and toddlers. Influence of responsive and culturally sensitive relationships with children and their parents on children's development. Strongly Recommended: Early Childhood Development 67.

E 31251 Lec  Mon  6:30-9:20  559  Staff - So 01/22-05/31  GR  071

ECD 88  EARLY CHILDHOOD ENVIRONMENTS  0.5 Unit
Assessing the early childhood learning environment and analyzing the outcomes helps early childhood professionals to improve the quality of their programs. Students will understand and use the Early Childhood Environment Rating Scale (ECERS) to assess the physical environment, basic care, curriculum, schedule, program, child teacher interaction and parent and staff education of a child care setting.

S 30101 Lec  Sat  8:30-12:45  503  OGMAN 05/04-05/04  GR  E82
Lec  Sat  1:00-5:15  503  GR

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 31237 Lec  Sat  8:30-12:45  504  OGMAN 04/20-04/27  GR  E82
Lec  Sat  1:15-5:30  504  GR

Topic: “I'm not bad and I don't have ADD.” How we meet the needs of children who challenge us. Meeting dates: 4/20, 4/27.

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 discussions of on-site experiences. Prerequisite: Early Childhood Development 63 (completed with a grade of “C” or higher).

D 30128 Lec  TTh  1:00-1:50  3521 OZDEMIR 01/22-05/31  GR  001
Lab  Th  9:00-11:50  3521  GR
Current (within past 2 years) TB clearance required on the first day of class. At first class meeting, students will schedule 6 lab hours between 8:00 am-1:00 pm on Tuesday and Thursday.

E 30566 Lec  MW  5:30-6:20  3521 SHERRY 01/22-05/31  GR  002
Lab  MW  6:30-9:20  3521  GR
Current (within past 2 years) TB clearance required on the first day of class.

If PROP 30 fails, classes outlined in red are subject to cancellation.
ECD 91 ADAPTIVE CURR EXCEPTIONAL NEED 3.0 Units
Direct experience working with young children in special day classes or inclusive settings: application of best practices of both the fields of early childhood development and special education in adapting curriculum to meet the individual needs of children within an inclusive classroom setting. Observation of the assessment process by the special education team and assisting in the implementation of the educational plan. Prerequisites: Early Childhood Development 60 and 90 (completed with a grade of "C" or higher).

E 31534 Lec Mon 6:30 8:20 506 Staff - So 01/22-05/31 GR 071
Lab Fri 9:00 11:50 506 GR

Current (within past 2 years) TB clearance required on the first day of class. Instructor will arrange lab hours at first class meeting, Monday, January 23, 2012.

ECD 95 WORK EXPERIENCE 1.0-3.0 Units
College supervised on-the-job training in early childhood programs. Cooperative effort between student, supervisor and instructor to accomplish professional work objectives and broaden experiences. Corequisite: Early Childhood Development 96.
O 30129 Mon 15.0 hrs TBA TBA RODRIGGS 01/22-05/31 GR ON1
TB clearance required if doing lab hours at the Children's Center. Students will complete lab hours at their work site or with a mentor teacher. Limited hours at Early Childhood Lab Center.

ECD 96 WORK EXPERIENCE SEMINAR 1.0 Units
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 and objectives with students in early care and education settings. Corequisite: Early Childhood Development 95.
E 30130 Lec Wed 6:30 9:20 502 RODRIGGS 01/22-05/15 GR E71
Class meets on the following dates: Jan 23; Feb 6; Mar 6; Apr 3; May 1 and 15.

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 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 30131 Lec MW 9:00 10:15 551 WILLIAMS 01/22-05/31 OP 001
D 30483 Lec MW 1:30 2:45 551 WILLIAMS 01/22-05/31 OP 002
D 30132 Lec TTh 9:00 10:15 502 WILLIAMS 01/22-05/31 OP 003
E 30133 Lec Wed 7:00 9:30 551 WILLIAMS 01/22-05/31 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 55L or 55Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the mathematics assessment process.
D 30136 Lec Mon 3:00 5:50 551 WILLIAMS 01/22-05/31 OP 001
D 30135 Lec TTh 12:00 1:15 551 FLORES 01/22-05/31 OP 002
D 30821 Lec Fri 9:00 11:50 559 WILLIAMS 01/22-05/31 OP 003
E 30134 Lec Tue 7:00 9:50 556 WILLIAMS 01/22-05/31 OP 072

If Prop 30 fails, classes outlined in red are subject to cancellation.

Chabot College • Spring 2013 Class Schedule 35 510.723.6600 • www.chabotcollege.edu
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 32139 Lec Th 3:00 5:00 1802 MAYER 01/22-05/31 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 31498 Lec Th 4:00 6:00 905 MAYER 01/22-05/31 GR 001

ENGR 22 ENGINEERING DESIGN GRAPHICS 3.0 Units
D 30865 Lec MW 12:00 1:15 905 SLUTZ BARAN 01/22-05/31 GR 001
Lab MW 1:30 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. Strongly Recommended: Computer Application Systems 8 or Computer Science 8. May not receive credit if Mathematics 25 or Physics 25 has been completed.
D 30858 Lec TTh 11:00 12:50 1810 MAYER 01/22-05/31 GR 001
Lab Wed 6:00 7:15 1813 GR
Lab Wed 4:30 5:45 1813 GR

ENGR 43 ELECTRICAL CIRCUITS & DEVICES 4.0 Units
D 30859 Lec Tue 9:00 10:15 1602 MAYER 01/22-05/31 GR 001
Lab Th 9:00 10:15 1602 GR
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.
Prequisite: Chemistry 1A, Engineering 25 and Physics 4A (all completed with a grade of “C” or higher). CAN 4.

ENGLISH 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 ENGLISH Physics 4A (all completed with a grade of “C” or higher).
Prerequisite: English 101B, 102, or appropriate skill level demonstrated through English assessment process.

ENGL 1A-PU2 is part of the PUENTE Project. Section DA1 focuses on Latino authors and issues and is part of a two-semester program designed for students who intend to transfer to a four-year college.

ENGL 4-ONP is an online PACE class with required on-campus meetings on Saturday, Jan 26; Feb 23, Mar 30; Apr 20; May 18; 1:00-3:50 pm, room 510. Enrollment priority will be given to PACE students.

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.

ENGL 1A CRITICAL READING & COMPOSITION (continued)
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.

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<th>Instructor</th>
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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.

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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.

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### ENGL 102 READ/REASON/WRITACCELERATED (continued)

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This is a PACE Course. Enrollment priority will be given to PACE students.

### 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.

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### ENGL 109 FACULTY-STUDENT TUTORIAL WRAC 0.5-3.0 Units

Preparation in English for success in college and career. Self-paced, individualized instruction in reading comprehension and writing effectiveness. To register for ENGL 115, go to the WRAC Center located on the library mezzanine (Building 100) during the first week of classes, open Mon.-Thurs. 9-4 p.m. Questions? Email Homeira Foth at hfoth@chabotcollege.edu or call (510) 723-6920.

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### ENGL 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.

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</table>

### ENGL 109A REVIEW BASIC ENGLISH-ESL 6.0 Units

A comprehensive review of the structure of the simple English sentence, short writing assignments, and reading fiction and non-fiction. Reinforces fluency in reading and writing.

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<th>Room</th>
<th>Instructor</th>
<th>Dates</th>
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### ENGL 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: Grade of “pass” in ESL 110A or eligibility for ESL 110B demonstrated through ESL Placement Process.

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<td>P/N</td>
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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:** Grade of “pass” in ESL 110B or eligibility for ESL 110C demonstrated through the ESL Placement Process.

D 30197 Lec TTh 1:00-3:50  853 HOBBS 01/22-05/31 P/N 001
D 30198 Lec TTh 9:00-11:50  857 HINTZ 01/22-05/31 P/N 002
E 30814 Lec TTh 6:30-9:20  811 CONNOLLY 01/22-05/31 P/N 072

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:** Grade of “pass” in ESL 110C or eligibility for ESL 110D demonstrated through the ESL Placement Process.

D 30199 Lec TTh 9:00-11:50  2258 MEJIA 01/22-05/31 P/N 001
E 30242 Lec TTh 6:30-9:20  801 HUFGERD 01/22-05/31 P/N 071

ESL 111A PRONUNCIATION 2.0 Units
Oral English with emphasis on strategies for clear pronunciation.

D 30430 Lec Sat 9:00-9:50  558 S0 01/22-05/31 P/N 001
Lab Sat 9:55-12:45  558 01/22-05/31 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, 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 30623 Lec MW 1:30-2:45  805 IKEEDA 01/22-05/31 P/N 001

ESL 114 EDITING FOR THE ADV ESL WRITER 2.0 Units
Use of standard written English to develop personal strategies for self-editing. Designed to ease the transition between explicit ESL instruction and the fluency demands of mainstream English curriculum. **Strongly Recommended:** Eligibility for ESL 110D or eligibility for English 101A demonstrated through the English Placement Process.

D 31717 Lec TTh 1:00-2:50  807 MEJIA 2/24-5/31 P/N E01

ESL 127 ESL PRONUNCIATION 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 30912 Lab By Arr 1.5 Hrs/Wk  2351 HOBBS 01/22-05/31 P/N 001
Go to the Language Center, Building 2300, room 2351 to obtain the syllabus and schedule your orientation. For more information, email Angela Hobbs at ahobbs@chabotcollege.edu, or call (510) 723-6825.

ESL 128 FACULTY-STUDENT TUT-ORIAL - 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 30840 Lab By Arr 3.0 Hrs/Wk  2351 WAHAMAKI 01/22-05/31 P/N 001
Go to the Language Center, Building 2300, room 2351 to obtain the syllabus and schedule your first appointment. For more information, e-mail Linea Wahamaki at lwahamaki@chabotcollege.edu or call (510) 723-7420.

D 32036 Lab By Arr 3.0 Hrs/Wk  2351 HINTZ 01/22-05/31 P/N EX1
ESL 128-EX1 is for Project Excel participants. Go to the Language Center, building 2300, room 2351 to obtain the syllabus and schedule your first appointment. For more information, e-mail Hsako HINTZ at hhintz@chabotcollege.edu or call (510) 723-7428.

ESL 149J REVIEW OF BASIC ENGLISH-ESL 3.0 Units
A continuation of a comprehensive review of the structure of the simple English sentence; short writing assignments; reading fiction and nonfiction; reinforces fluency in reading and writing. **Prerequisite:** Grade of “pass” in ESL 149J.

E 32429 Lec TTh 6:30-9:20  859 S0 01/22-05/31 P/N 001

ENTREPRENEURSHIP

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

O 32069 By Arr 3.0 Hrs/Wk ONLINE COLON 01/22-05/31 OP ON1
ENTR 1-ON1 is an online course with required on-campus meetings from 6:30pm - 8:50pm in room 455 on the following Tuesdays: January 22, February 5 & 9, March 5 & 19, April 9 & 23, May 7 & 21. For important additional information, go to http://www.chabotcollege.edu/online

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.

O 31729 By Arr 3.0 Hrs/Wk ONLINE GRAVES 01/28-04/26 OP EN1
ENTR 20-EN1 is a short-term, online class with no required on-campus meetings.

ENTR 30 THE BUSINESS PLAN 3.0 Units
Development and presentation of a “ready to take to the bank for funding,” realistic, and ready to implement business plan. Business plan components will include a business concept, industry and market analysis, a marketing and organizational plan, operations plan, funding plan, and financial projections.

O 31730 Lec Tue 6:30-8:50  455 COLON 01/29-05/31 OP ON1
By Arr 3.0 Hrs/Wk ONLINE OP
ENTR 30-ON1 is an online class with required on-campus meetings from 6:30 pm - 8:50 pm in room 455 on the following Tuesdays: January 29, February 12 & 26, March 12 & 26, April 16 & 30, May 14 & 28. For important additional information, go to http://www.chabotcollege.edu/online

ETHNIC STUDIES

ES 3 INTRO MUSLIM-AMERICAN STUDIES 3.0 Units
An examination of the diversity of Muslim communities in the United States with an emphasis on comparing and contrasting their histories, cultures and experiences. Topics include: patterns of migration; religious beliefs and practice; acculturation and assimilation; political involvement; education and employment; 9/11 and its aftermath; relations with the broader Muslim world.

O 31188 By Arr 3.0 Hrs/Wk ONLINE ISAD 01/22-05/31 GR ON1
ES 3-ON1 is an online course with no required on-campus meetings.

FILM

FILM 50 BEGINNING FILM PRODUCTION 3.0 Units
Introduction to the history and theory of filmmaking as an artist medium through lectures, screenings, demonstrations, and hands-on practicum. Critical analysis and appreciation of production elements and development of skills in pre-production planning, digital cinematography, direction of actors, sound design, art direction, and post-production.

E 32081 Lec Mon 6:00-8:30  908 Staff - Fi 01/22-05/31 GR 071
Lab Mon 8:40-9:30  908 01/22-05/31 GR

FILM 89 SPECIAL STUDIES IN FILM 0.5-5.0 Units
Individual projects in Digital Video (DV) film production at the intermediate to advanced level. Development of knowledge and skills acquired in previous or current work with emphasis on current projects involving writing, producing, directing, cinematography, sound recording/sound design, lighting, art direction, production design, editing, or some combination of these. **Prerequisite:** Two of the following courses: Film 14, Film 50, Film 60 (completed with a grade of “B” or higher).

E 32097 Lab Mon 8:15-9:30  908 Staff - Fi 01/22-05/31 GR 071
**FIRE TECHNOLOGY**

**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.

**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 abatement and personal 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-reliance in an emergency.

**FT 55  FIRE PROTECTION EQUIPMENT & SYSTEMS 3.0 Units**
Features of design and operation of fire alarm systems, smoke detection systems, water-based fire suppression systems, special hazard fire suppression systems; means and adequacy of required exits; installation and maintenance of automatic, manual, and other private fire-extinguishing equipment, heat and smoke control systems; water supply for fire protection and portable fire extinguishers.

**FT 89  FIREFIGHTER 1 ACADEMY INTRO 0.5 Unit**
Orientation and evaluation of the necessary knowledge, skills and abilities to succeed in the Firefighter 1 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 90A  FIREFIGHTER 1 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.)

**FT 90B  FIREFIGHTER 1 CERT PREP II 2.0 Units**
Continuation of skills and basic knowledge necessary to perform the functions of a firefighter, engineer and captain within a fire attack team. Practice in donning breathing apparatus, knot tying, placing ladders, pulling hose, making water supply connections and using the incident command system. **Prerequisites:** Fire Technology 90A (completed with a grade of “C” or higher).

**FT 90C  FIREFIGHTER 1 CERT PREP III 2.0 Units**
Continuation of skills and basic knowledge necessary to perform the functions of a fire attack team, in multiple company exercises, which include: hose 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 a valid Emergency Medical Technician Program. **Prerequisites:** Fire Technology 90B (completed with a grade of “C” or higher).
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 an 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 application 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 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 I Academy.

S 30703 Lec TTh 5:00 9:50 1506 URNES 04/30-05/19 GR E71
Lab Sat 8:00 11:50 1564
Lec Sat 1:00 5:50 1564
Lab Sun 8:30 3:50 1564
Class meets Tuesday, Thursday, Saturday & Sunday from 4/30 to 5/19.

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 exposures without trying 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).

E 30704 Lec Tue 6:00 10:15 1506 MC PARTLAND 04/23-04/28 GR E71
Lec Th 5:00 9:15 1506
Lec U S 8:00 12:15 1564
Lec U S 1:15 5:30 1564

FT 91C I-200: BASIC ICS (INC COM SYS) 1.5 Units
Consists of 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).

E 30705 Lec TTh 5:00 9:15 1506 MC PARTLAND 04/16-04/21 GR E71
Lec U S 8:00 12:15 1506
Lec U S 1:15 5:30 1564

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 committing fatal errors on the fireground using problem-solving techniques for Fire Technology 90C (completed with a grade of “C” or higher) or a California Accredited Fire Fighter I Academy.

E 32071 Lec Tue 5:00 8:50 *081 BUELL 04/07-04/13 P/N E71
Lab Th 5:00 8:50 *081
Lab Sun 8:30 12:00 *081
Lab Sat 1:00 4:50 *081

FT 91E-FT 91F is an off-campus class that meets at the Alameda County Fire Department, 890 Island, San Leandro (office room #081). Class meets: 4/7/15, 4/11 and 4/13.

FT 95 WORK EXPERIENCE/FT 1.0-3.0 Units
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.

E 30701 By Arr 15.0 Hrs/Wk 1555 BUELL 01/18-05/24 GR 071

FT 96 WORK EXPERIENCE SEMINAR/FT 1.0 Units
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. Corequisite: Fire Technology 95.

E 30702 Lec Wed 6:00 9:20 1608 BUELL 01/23-01/30 GR 071
Lec Wed 6:00 9:20 1608
Lec Wed 6:00 9:20 1608
Lec Wed 6:00 9:20 1608


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.

O 31544 Lec MW 9:30 11:25 351 BARNEZET PA 01/22-05/31 OP ON1
By Arr 1.0 Hrs/Wk ONLINE OP
FRNC 1A-ON1 is a hybrid course with lectures conducted on-campus and one hour lab over the Internet. The class will meet Mondays & Wednesdays from 9:30-11:45 a.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 and click on the course website. For more information, contact cparrish@chabotcollege.edu

O 31545 By Arr 6.0 Hrs/Wk ONLINE BARNEZET PA 01/22-05/31 OP ON2
FRNC 1A-ON2 is an online course with no required on-campus meetings. Students must have an email account and Internet access to login to Blackboard by the first day of class, to read the announcements and see course assignments. To begin, go to http://www.chabotcollege.edu and click the course website. For more information, contact 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 31545 Lec MW 12:00 2:15 351 BARNEZET PA 01/22-05/31 OP ON1
By Arr 1.0 Hrs/Wk ONLINE OP
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 and click the course website. For more information, contact cparrish@chabotcollege.edu

For more information, contact cparrish@chabotcollege.edu

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If Prop 30 fails, classes outlined in red are subject to cancellation.
### GENERAL STUDIES

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<td>FRNC 2A-ON1 is a hybrid course with lectures conducted on-campus and one hour lab over the Internet. The class will meet Tuesdays &amp; Thursdays from 10:00-11:50 a.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 <a href="http://www.chabotcollege.edu/online">http://www.chabotcollege.edu/online</a> and click the course website. For more information, contact <a href="mailto:cparrish@chabotcollege.edu">cparrish@chabotcollege.edu</a></td>
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<td>OP ON1 By Arr 1.0 Hrs/Wk ONLINE OP</td>
<td>FRNC 2B-ON1 is a hybrid course with lectures conducted on-campus and one hour lab over the Internet. The class will meet Tuesdays and Thursdays from 10:00-11:50 a.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 <a href="http://www.chabotcollege.edu/online">http://www.chabotcollege.edu/online</a> and click the course website. For more information, contact <a href="mailto:cparrish@chabotcollege.edu">cparrish@chabotcollege.edu</a></td>
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### GEOGRAPHY

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</table>

This is a PACE course. Enrollment priority will be given to PACE students.

### GEOG 11 INTRO TO PHYS GEOG LABORATORY 1.0 Unit

Application of the concepts, techniques, tools, and materials of physical geography. Practical exercises, experiments, observations, data analyses, computer applications/simulations, and use of maps, remotely-sensed imagery, and geographic information systems. Includes location reference systems, time-space relationships, weather, climate, soils, vegetation, and landforms. Field trips/field projects may be included. **Prerequisite: Geography 1** (may be taken concurrently).

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<th>CRN</th>
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<td>E 30407 Lab Wed 6:00-8:50 507 DEVERDI</td>
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This is a PACE course. Enrollment priority will be given to PACE students.

### GEOG 2 CULTURAL GEOGRAPHY 3.0 Units

Spatial analysis of human populations, their cultural traits, and activities. Emphasis on how diverse peoples, through their interactions and through their perceptions and use of the physical environment, create distinctive cultural landscapes. Field trips may be included.

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<tr>
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### GEOG 5 WORLD REGIONAL GEOGRAPHY 3.0 Units

Regions of the world and the way humans live within those regions. Includes physical and cultural characteristics of world regions, how they are similar and how they are different, economic patterns, agriculture, industrial development and population dynamics. Emphasis on contemporary major issues and their geographic impact.

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### GEOG 8 INTRO TO WEATHER AND CLIMATE 3.0 Units

Introduction to weather and climate and their impact on and modification by human activities. Weather elements, climate controls, and data collection instrumentation. Atmospheric optics, weather prediction, severe storms, air pollution, and other topics related to everyday experience and global environmental change. Field trips and observational activities may be included.

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GEOG 12 GEOGRAPHY OF CALIFORNIA 3.0 Units
California's physical, cultural, and regional elements. The physical geographic base includes: location; geological evolution, geomorphic provinces, natural hazards and resources, climate, water resources, vegetation, and soils. Historically developed cultural themes: Native American and Hispanic origins; migration patterns, and settlements; population growth, and ethnic diversity; land use and economic activities; and Pacific Rim connections. Human geographic interactions and issues are considered throughout the course. Field trip may be included.

D 30478 Lec Th 12:00-1:15 555 GERSHENSON 01/22-05/31 OP 001

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.

D 30365 Lec MW 9:00-10:15 1908 PEREZ 01/22-05/31 OP 001
D 30081 Lec MW 10:30-11:45 1908 PINESCHI-PE 01/22-05/31 OP 002
D 30917 Lec MW 12:00-1:15 1908 LOFT 01/22-05/31 OP 003
D 30928 Lec Th 1:30-2:45 1904 Staff - P 01/22-05/31 OP 004
D 30302 Lec Th 9:00-10:15 1908 MILLER 01/22-05/31 OP 005
D 30339 Lec Th 10:30-11:45 1908 GRACE 01/22-05/31 OP 006
D 31153 Lec Th 12:00-1:15 1904 CALCAGNO 01/22-05/31 OP 007
E 30082 Lec Wed 6:00-8:30 2254 Staff - P 01/22-05/31 OP 008
D 30360 Lec Tue 7:00-9:50 805 ORVISS 01/22-05/31 OP 0P1

This is a PACE course. Enrollment priority will be given to PACE students.

O 31034 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 OP 0N1
O 31064 By Arr 3.0 Hrs/Wk ONLINE LOFFT 01/22-05/31 OP 0N2

HLTH 1-ON1 &ON2 are online courses with no required on-campus meetings.

HLTH 4 WOMEN AND HEALTH 3.0 Units
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 30338 Lec MW 12:00-1:15 2252 GRILLO 01/22-05/31 OP W01
This section (W01) is part of the Women's Studies Program.

E 31039 Lec Wed 6:30-9:50 559 ORVISS 01/22-05/31 OP 0PNOP
By Arr 2.5 Hrs/Wk ONLINE OP

HLTH 4-OPN is a hybrid PACE class with three required on-campus meetings: Jan 23; Mar 6; Apr 24; 6:30-9:50 pm, room 559. Enrollment priority will be given to PACE students.

D 30341 Lec MW 12:00-1:15 2252 PINESCHI 01/22-05/31 OP 0P2

HLTH 8 HUMAN SEXUALITY 3.0 Units
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.

D 30929 Lec Wed 1:30-4:20 859 LOFFT 01/22-05/31 OP 001

HLTH 51A BASIC MEDICAL TERMINOLOGY 4.0 Units
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 30240 Lec Th 1:30-3:20 2252 VALLELY 01/22-05/31 OP 001

D 30083 Lec MW 6:00-7:50 2252 PINIO 01/22-05/31 OP 071

HLTH 51B DISEASE PROC/ADV MED TERM 4.0 Units
Introduction to the nature of disease and to structural and functional changes of diseases as they affect the systems of the body; discussion of causes, symptoms and treatment of disease. Prerequisite: HLTH 51A (completed with a grade of “C” or higher).

D 30084 Lec MW 1:30-3:20 2252 VALLELY 01/22-05/31 OP 001

HLTH 60 RESPONDING TO EMERGENCIES 1.0 Units
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 provide First Aid. Successful completion of the knowledge and skills tests qualify for a National Safety Council First Aid and Adult CPR card.

E 30085 Lec Wed 5:30-7:20 3115 HART 01/22-03/02 OP E71
Lab Wed 7:30-9:20 3115

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. Textbooks must be purchased prior to the first day of class. Please read chapters 1-3 in First Aid book and Chapters 1-4 in CPR book prior to first class meeting.

HLTH 61 EMERGENCY RESPONSE 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.

D 30303 Lec Tue 1:00-2:50 3115 FERNANDEZ 01/22-05/31 GR 001
Lab Tue 3:00-4:50 3115 GR

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. Books must be purchased prior to the first day of class. Please read the first two chapters and Appendix 6 in the First Responder text. Please read the first 5 chapters of BLS text prior to the first day of class.

E 30305 Lec Tue 6:00-7:50 3115 FERNANDEZ 01/22-05/31 GR 071
Lab Tue 8:00-9:50 3115

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. Books must be purchased prior to the first day of class. Please read the first two chapters and Appendix 6 in the First Responder text. Please read the first 5 chapters of BLS text prior to the first day of class.

HLTH 81 EMERG MED TECH - AMBULANCE 6.5 Units
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.

Prerequisite: Health 61 (completed with a grade of “C” or higher). Corequisite: Health 83.

D 30089 Lec Wed 8:30-12:20 3115 MC INNIS 01/22-05/31 GR 001
Lab Wed 1:30-4:20 3115

D 30343 Lec Wed 4:30-5:20 3115

D 30344 Lec 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, JANUARY 4, 2013: (1) Proof of TB test (nothing older than May 1, 2012). (2) Proof of Measles, Mumps, and Rubella (MMR) (date received does not matter). (3) Proof of having started (or completed) the Hepatitis B vaccination series. (4) 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). (5) Copy of your Emergency First Responder certificate you obtained from Health 61 or through the American Red cross (front and back of card). (6) Sheet of paper with your name, address, phone number, and email address on it. Mail the above items to: Chabot College, Attention: John McInnis, EMT Coordinator, 25555 Hesperian Blvd., Hayward, CA 94545. Fax Number: 510-723-7298. Do not send the original document as you will not 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 McInnis at 510-723-6939 or jmcinnis@chabotcollege.edu

HLTH 83 PATIENT STABIL, EXTRIC & TRIAGE 0.5 Unit
Patient stabilization techniques to include safe patient extraction from a simulated motor vehicle accident. Includes triage for multi-casualty incident/disaster management. Corequisite: Health 81.

S 30366 Lec Sat 8:30-11:20 3115 MC INNIS 03/23-03/23 P/N E82
Lab Sat 12:30-4:20 3115

This course is one day only.

If PROP 30 fails, classes outlined in red are subject to cancellation.
HIS 7 US HISTORY THROUGH 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, African Europeans, 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.

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HIS 8-AN1, AN2 & AN3 are all online courses with no required on-campus meetings.

HIS 8 APN is an online PACE course with no required on-campus meetings. Enrollment priority will be given to PACE students.

HIS 27 U.S. WOMEN'S HISTORY 3.0 Units
A survey of United States women's history from its indigenous origins through the present. Emphasis on the interaction on the experiences of diverse racial/ethnic groups that include at least three of the following groups: African-Americans, Chicana/Latina Americans, Asian Americans, European Americans, Native Americans, and Middle Eastern Americans. Special areas of focus include women's role in the political, economic, social, and geographic development of the United States.

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### HIS 28 SUP INST IN US WOMEN'S HISTORY 1.0 Unit

Introduction to and review of context-based skills for effective participation and completion of U. S. Women's History. Emphasis on building skills to succeed in a history survey course. **Corequisite:** History 27.

D 32433 Lec Wed 12:00 12:50 503 Staff - So 01/22-05/31 P/N 001

### HUMANITIES

#### HUMN 50 THE ARTFUL LIFE 3.0 Units

The Arts will be examined 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.

D 31275 Lec MW 1:30 2:45 552 Staff - Fi 01/22-05/31 GR 001
D 31883 Lec TTh 12:00 1:15 559 Staff - Fi 01/22-05/31 GR 002
D 32448 Lec TTh 10:30 11:45 805 Staff - Fi 01/22-05/31 GR 003

#### HUMN 65 THE AMERICAN STYLE 3.0 Units

Humanities in 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.

D 32429 Lec MW 10:30 11:45 805 SHANNON 01/22-05/31 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. (Formerly HUMN 28)

D 31040 Lec Th 6:30 9:30 804 KENSINGER 02/07-05/23 GR AEP

This is a PACE course. Enrollment priority will be given to PACE students.

O 30983 By Arr 3.0 Hrs/Wk ONLINE Staff - Fi 01/22-05/31 GR ON1

HUMN 65-ON1 is an online class with no required on-campus meetings.

S 31041 Lec Sat 8:30 12:20 805 KENSINGER 02/02-05/11 GR EAP

This is a PACE course. Enrollment priority will be given to PACE students.

### INDUSTRIAL TECHNOLOGY

#### INTD 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.

E 31881 Lec MW 4:30 5:45 1613 AB sheer 01/22-05/31 GR 071

#### 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.

D 32399 Lec TTh 9:00 9:50 907 Staff - Fi 01/22-05/31 OP 001
Lab Th 10:00 11:15 907 OP

#### 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.

E 32400 Lec Th 6:00 8:30 907 Staff - Fi 01/22-05/31 GR 071

#### INTD 56 PROFESSIONAL PRACTICES 3.0 Units

Interior design practices including business and marketing aspects, wholesale resource development, design presentation and career preparation, contractual obligations.

D 32401 Lec Th 1:00 3:50 907 Staff - Fi 01/22-05/31 OP 001

### JAPANESE

#### JPN 18 ELEMENTARY JAPANESE 5.0 Units

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

D 30520 Lec TTh 1:00 3:15 351 CLARK 01/22-05/31 OP 001
Lab Th 2:30 4:40 352

### LIBRARY SKILLS

#### LIBS 1 LIBRARY SKILLS 1.0 Unit

Techniques of library research: development of a search strategy; use of printed resources, online catalogs and databases and the Internet; evaluation of information, particularly found on the Internet; preparation of citations and Works Cited list.

D 32439 Lec TTh 8:30 9:20 119 BUCHWALD 02/05-03/26 OP E01

#### LIBS 2 LIBRARY SKILLS VIA POP CULTURE 2.0 Units

Introduction to research techniques using Chabot College library resources. Teaches the skills needed to successfully find, evaluate, and document information in print, electronic, and Internet formats. Covers plagiarism, the ethical and legal aspects of information use, and the critical thinking skills necessary for successful college research.

D 31797 Lec TTh 12:00 1:50 119 MORRISON 03/28-05/30 GR E01

### MACHINE TOOL TECHNOLOGY

#### MTT 50 BLUEPRINT READ / SKETCH & CAD 3.0 Units

Fundamentals of freehand sketching, reading of blueprints, interpreting of commonly used symbols, pictorial drawings, orthographic projection, geometric construction, dimensioning, and sectioning. Includes a general approach to Computer Aided Drafting (CAD). Focus on subject matter relevant to Machine Tool Technology and Industrial Technology applications and local industry requirements. Designed to provide a working knowledge of methods of graphical communication.

E 31103 Lec Tue 6:30 8:20 1615 AB sheer 01/22-05/31 GR 071
Lab Th 6:30 9:20 1615

#### MTT 60A MACHINE TOOL TECHNOLOGY I 4.0 Units

Introduction to machine tool operations relating to precision measuring tools, layout methods, screw threads, bench work, drill presses, handsaws, optical and manual inspection techniques, basic lathe and vertical milling operations, and evaluation of manufacturing job opportunities. Emphasis on safe and correct use of hand and machine tools.

D 30521 Lec MT 1:00 1:50 1560 AB sheer 01/22-05/31 GR 001
Lab MT 2:00 4:50 1402

If PROP 30 fails, classes outlined in red are subject to cancellation.
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 and heat treating, basic surface and cylindrical grinding, and introduction to metric measurement. Emphasis on correct machine tool setups 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 30032 Lec WR 1:00 1:50 1560 ABHER 01/22-05/31 GR 001
Lab WR 2:00 4:50 1402
E 30033 Lec Mon 6:30 8:20 1615 JONES 01/22-05/31 GR 071
Lab Mon 8:30 10:20 1402
Lab Wed 6:30 10:20 1402

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 30315 Lab MT 2:00 4:50 1402 ABHER 01/22-05/31 GR 001
D 30522 Lab WR 2:00 4:50 1402 ABHER 01/22-05/31 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 30035 Lab MT 2:00 4:50 1402 ABHER 01/22-05/31 GR 001
D 31610 Lab WR 2:00 4:50 1402 ABHER 01/22-05/31 GR 002

MTT 66 BASIC TOOLMAKING 4.0 Units
Tool room grinding, precision measurement, precision boring, steels and heat treating, carbide cutting tools, job estimating, and basic die-making theory. Prerequisite: Machine Tool Technology 65 (completed with a grade of “C” or higher).

D 30786 Lec MR 11:00 11:50 1623 ABHER 01/22-05/31 GR 001
Lab MR 2:00 4:50 1402

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 30689 Lec Tue 6:00 7:50 1620 LONG 01/22-05/31 GR 071
Lab Th 6:00 9:50 1618
Lab Tue 8:00 9:50 1618

MTT 71B NUMERICAL CONTROL PROGRAM II 4.0 Units
Intermediate programming and operating of three-axis computer numerical controlled drilling and milling machine centers. Instruction includes intermediate contouring, helical interpolation, thread milling, sub programs, basic macro programming, conversational programming, programming with DXF files, program coding and preparation, process planning, fabrication of intermediate three-axis drill and mill parts, and laboratory “first article” inspection reports. Prerequisite: Machine Tool Technology 71A (completed with a grade of “C” or higher).

E 30034 Lec Thh 5:00 5:50 1620 LONG 01/22-05/31 GR 071
Lab Th 6:00 9:50 1618
Lab Tue 8:00 9:50 1618

MTT 81A SOLIDWORKS FOR MACHINE SHOPS 3.0 Units
The fundamentals of SolidWorks design software as it pertains to machine shop use and requirements. Instruction includes theory and laboratory practice on the use of the SolidWorks design software environment to create solid models, drawings, assemblies and how to interface SolidWorks models with CAD/CAM software. PhotoWorks Cosmos Express, eDrawings, and other third party “add-ins” will be touched on briefly. Strongly Recommended: Machine Tool Technology 71A.

E 30688 Lec Mon 5:30 7:20 1620 LONG 01/22-05/31 GR 071
Lab Mon 7:30 10:20 1618

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, Slidprt, 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 31913 Lec Wed 7:30 7:20 1620 LONG 01/22-05/31 GR 071
Lab Wed 7:30 10:20 1618

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, Slidprt, 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 31912 Lec Sat 7:00 8:50 1620 LONG 01/22-05/31 GR 082
Lab Sat 9:00 11:50 1618

MARKETING * (See course listings under BUSINESS)

MCOM 9 COLLOQUIUM-MASS COMMUNICATIONS 1.0 Unit
Special projects in Radio and TV to further skills in broadcasting.

D 3196 Mon 3:00 4:50 TBA Staff - Fi 01/22-05/31 OP 001

MCOM 14 WRITING & PHOTO PUBLICATION 1.0 Unit
Journalism, photojournalism, content development, and production for the weekly college newspaper.

D 30200 Lab Thh 1:00 1:50 2325 LEACH 01/22-05/31 OP 001
Lab Tue 12:00 12:50 2325

MCOM 15 PUBLICATIONS/EDITORIAL 3.0 Units
Journalism, photojournalism, content development, and production for the college newspaper. Production of the college newspaper, including writing, business management, graphic arts, leadership, and editing. Strongly Recommended: Eligibility for English 1A or English 52A.

D 30201 Lec Tue 1:00 1:50 2325 LEACH 01/22-05/31 GR 001
Lab Th 1:00 1:50 2325
Lab Th 2:00 3:15 2325
Lab By Arr 3.5 Hrs/Wk TBA

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 Mass Communications 31 has been completed.

D 31597 Lec MW 9:00 10:15 554 GLEN 01/22-05/31 GR 001

MCOM 41 INTRO 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. May not receive credit if Mass Communications 5 has been completed.

D 31595 Lec MW 2:30 3:45 555 LEACH 01/22-05/31 GR 001

MCOM 43 ADVERTISING SALES & MEDIA MNGNT 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 Mass Communications 8 has been completed.

D 31596 Lec Thh 10:30 12:20 122 GLEN 01/22-05/31 GR 001

If Prop 30 fails, classes outlined in red are subject to cancellation.

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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 30936 Lec MWTh 8:30 9:35 3902 STUBBLEINE 01/22-05/31 GR 001
D 30937 Lec MWTh 10:30 11:55 1608 CHAUDHURI 01/22-05/31 GR 002
E 30938 Lec TTh 4:30 6:45 1904 YEST 01/22-05/31 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 30939 Lec MWTh 9:00 10:05 1811 ALEGRE 01/22-05/31 GR 001
D 30940 Lec MWTh 10:30 11:55 1906 KOLB 01/22-05/31 GR 002
E 30941 Lec TTh 7:00 9:15 1811 BATCHelor 01/22-05/31 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). CAN MTH 22, SEQ C
D 30942 Lec MWTh 10:30 12:45 1811 FOUQET 01/22-05/31 GR 001
E 32342 Lec MWTh 7:00 9:15 1811 BATCHelor 01/22-05/31 GR 071

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.
D 30943 Lec MWTh 10:40 12:35 1801 YEST 01/22-05/31 GR 001

MTH 5 DISCRETE MATHEMATICS 4.0 Units
Sets, relations and functions; logic, methods of proof, induction; combinatorics, recursion, recurrence relations and complexity of algorithms; graphs and trees; logic circuits; automata. Designed for majors in mathematics and computer science. Prerequisite: Mathematics 1 (completed with a grade of “C” or higher). CAN CSCI 26
E 30970 Lec MWTh 4:30 6:20 1906 TRAUGOTT 01/22-05/31 GR 071

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. This course may require you to purchase a graphing calculator.
D 31502 Lec TTh 10:30 12:15 1801 Staff - Sc 01/22-05/31 GR 001
E 31503 Lec MW 7:00 8:15 1906 Staff - Sc 01/22-05/31 GR 071

MTH 16 APPLIED CALCULUS II 3.0 Units
Techniques of integration; multivariable calculus of trigonometric functions; differential equations; Taylor polynomials, Applications in business, economics and the life and social sciences. Prerequisite: Mathematics 36 or 37 and Mathematics 15 (all completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process.
D 32005 Lec TTh 5:30 7:45 1811 CREW 01/22-05/31 GR 001

MTH 20 PRE-CALCULUS MATHEMATICS 5.0 Units
Rational functions and relations with emphasis on logarithmic, exponential and the life and social sciences. Prerequisite: Mathematics 36 or 37 and Mathematics 15 (all completed with a grade of “C” or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process.
D 30945 Lec MWTh 9:00 11:15 1802 KAJIWARA 01/22-05/31 GR 001
D 30946 Lec MWTh 10:30 11:45 856 HANHAN 01/22-05/31 GR 002
D 31504 Lec MWTh 1:30 2:45 1811 CREW 01/22-05/31 GR 003
E 30949 Lec TTh 7:00 9:15 1906 YEST 01/22-05/31 GR 071
MTH 25 COMPT 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.

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 have been completed.

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 or Mathematics 55L have been completed.

MTH 43 INTRO/PROBABILITY & STATISTICS 4.0 Units
Descriptive statistics, including measures of central tendency and dispersion; correlation and regression; applications in various fields. Introduction to the use of elements of probability; tests of statistical hypotheses (one and two populations); methods of data collection and experimental design.
Prerequisite: Mathematics 54 or 54L or Mathematics 55 or 55L have been completed.

MTH 43 INTRO/PROBABILITY & STATISTICS (continued)
Prerequisite: Mathematics 54 or 54L or Mathematics 55 or 55L have been completed.

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. Prerequisite: 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.

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. Prerequisite: 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 and a graphing calculator.
This course may require you to purchase access to an online mathematics learning environment.

This is a new, experimental course 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 scsmmathdiv@chabotcollege.edu.

MTH 62 APPLIED ALGEBRA & DATA ANALYSIS 6.0 Units
Equations and formulas, linear, exponential, logarithmic and variation functions; measurement and conversions of units; exponents and scientific notation; introduction to descriptive statistics not majoring in mathematics, science, or engineering. Prerequisite: Mathematics 104 (completed with grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics Assessment process.

This is a new, experimental course 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 scsmmathdiv@chabotcollege.edu.

MTH 65 ELEMENTARY ALGEBRA 5.0 Units
Elementary concepts, including signed numbers, integral exponents, polynomials and rational expressions; linear, quadratic and rational equations; linear equations and graphs. Introduction to algebraic concepts, simplification and evaluation of operations, and geometric formulas. Prerequisite: Mathematics 104 (completed with 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.

MTH 104 PREALGEBRA (continued)
E 31742 Lec TTh 4:30-5:45 2005 Staff - Sc 01/22-05/31 OP 071
Lab Wed 4:30-5:20 2005 OP
E 31743 Lec Tue 7:00-8:50 3934 Staff - Sc 01/22-05/31 OP 072
Lab Th 7:00-7:50 3934 OP
Lab Th 8:00-8:50 3934 OP

MTH 122 MATH LAB 1.0 Unit
Provides mathematics students currently enrolled in any mathematics course with tutorial assistance from an instructor, student tutors, and fellow classmates.

MTH 123 MATH LAB 1.0 Unit
Provides mathematics students currently enrolled in any mathematics course with tutorial assistance from an instructor, student tutors, and fellow classmates.

MEDICAL ASSISTING

MEDA 70B CLIN SKILLS FOR MED ASST 2 3.0 Units
Continuation of Medical Assisting 70A. Basic and advanced clinical skills common to medical offices and clinics. Use of advanced clinical skills while assisting the physician and performing direct patient care. Prerequisite: Health 51A, Medical Assisting 70A and Medical Assisting 75 (completed with a grade of "C" or higher).

D 30104 Lec Mon 9:00 10:50 2256 VALLELY 01/22-05/31 GR 001
Lec Fri 9:00 11:50 3116 GR
Lab Wed 9:00 11:50 3116 GR
Medical Assisting is a 2-semester certificated program. Spring 2013 is the second semester. In preparation for entering the program next Fall semester the following classes may be taken this spring semester: HLTH 51A, a current American Heart Association Healthcare provider card is required; and one of the following computer classes must be completed with a "C" or better to progress in the program: CAS 8, CAS 88A OR CAS 50. For more information, visit the Medical Assisting website at http://www.chabotcollege.edu and visit the Medical Assisting web page. You may e-mail Jane Vallely at medassistvallely@yahoo.com or call (510) 723-7211. CPR may be obtained through Chabot College Community Education (510-723-7531) or off campus.

MEDA 71B ADMINISTRATIVE SKILLS 2 2.0 Units
Administrative Medical Assisting skills which include medical coding, health insurance, billing, collections, practice finances, confidentiality and development of life skills. Prerequisite: Medical Assisting 71A (completed with a grade of "C" or higher).

D 30105 Lab Wed 9:00 11:50 2256 ROSS 01/22-05/31 GR 001
Lec Wed 12:00 12:50 2256 GR
Medical Assisting is a 2-semester certificated program. Spring 2013 is the second semester. In preparation for entering the program next Fall semester the following classes may be taken this spring semester: HLTH 51A, HLTH 70A & HLTH 70B, a current American Heart Association Healthcare provider card is required; and one of the following computer classes must be completed with a "C" or better to progress in the program: CAS 8, CAS 88A OR CAS 50. For more information, visit the Medical Assisting website at http://www.chabotcollege.edu and visit the Medical Assisting web page. You may e-mail Jane Vallely at medassistvallely@yahoo.com or call (510) 723-7211. CPR may be obtained through Chabot College Community Education (510-723-7531) or off campus.

MEDA 73 CLINICAL EXPERIENCE PRACTICUM 4.0 Units
Application of principles and skills common to medical offices and clinics. Use of advanced clinical skills while assisting the physician and performing direct patient care. Prerequisite: Medical Assisting 70A and 71A and 75. Corequisite: Medical Assisting 74.

D 31045 Clin By Arr 16.0 Hrs/Wk TBA VALLELY 02/04-05/10 GR 001
Prior to placement, a physical and dental exam, immunization record and background check must be completed.

MEDA 74 CLINICAL EXPERIENCE SEMINAR 1.0 Unit
Discussion and analysis of clinical experience in a clinic setting or private physician's office. Corequisite: Medical Assisting 73.

D 30106 Lec Mon 11:00 11:50 2256 VALLELY 01/22-05/31 GR 001
MUSIC RECORDING TECHNOLOGY

MURT 22B  ELECTRONIC MUSIC II 3.0 Units
Advanced electronic music production. Projects will include audio for film and video, theatrical productions, video games, advertisements, sound effects and sound installations. Prerequisite: MURT 22A.

E 31784 Lec MW 4:00-5:00 1236 Staff - Fi 01/22-05/31 GR 071
Lab MW 3:00-4:00 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 23  AUDIO RECORDING II 3.0 Units
Advanced studio recording techniques through hands-on, student-produced recording sessions.

D 32085 Lec Fri 12:00-1:50 1236 ROSEN 01/22-05/31 GR 001
Lab Fri 10:00-11:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 24  ADVANCED MIXING TECHNIQUES 3.0 Units
Advanced multitrack mixing techniques, signal processing and audio editing in the digital audio workstation.

D 32086 Lec MW 11:00-11:50 1236 ROSEN 01/22-05/31 GR 001
Lab MW 10:00-10:50 1236 GR
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 25  LIVE SOUND REINFORCEMENT 1.0 Unit
Sound design and amplification management for live music events. Management and manipulation of audio signal flow, interconnected amplification hardware, stage monitoring, and real-time audio signal processing for live audio events.

D 31721 Lab TTh 10:45-11:50 1236 MATHESON 01/22-05/31 GR 001
Lab By Arr 2.0 Hrs/Wk TBA GR

MURT 26  MUSIC BUSINESS AND THE LAW 3.0 Units
Music copyright, publishing and licensing and record labels.

D 32087 Lec TTh 1:00-2:15 854 MATHESON 01/22-05/31 GR 001
Lab By Arr 1.0 Hrs/Wk TBA GR

MUSIC-APPLIED

MUSA 11A  JAZZ IMPROVISATION I 1.0 Unit
Major scales, chord construction, and development of melodic lines used in contemporary styles of jazz improvisation. Jazz literature for small groups of the post Bob era. Enrollment by audition or permission of instructor.

D 31279 Lab TTh 10:30-11:45 1250 PALACIO 01/22-05/31 GR 001
Lab By Arr 1.0 Hrs/Wk 1250 GR

MUSA 11B  JAZZ IMPROVISATION II 1.0 Unit
Exotic scales, altered chord construction, and development of model and intervalic concepts used in avant garde jazz improvisation. Techniques used in composing and arranging for small ensembles. Prerequisite: Music 11A (completed with a grade of "C" or higher).

D 31437 Lab TTh 10:30-11:45 1250 PALACIO 01/22-05/31 GR 001
Lab By Arr 1.0 Hrs/Wk 1250 GR

MUSA 20B  GUITAR II 1.0 Unit
Continued study and practice of the fundamentals for playing the six-string acoustic guitar. An expanded repertoire of popular songs, classical solo and ensemble music, and styles will be examined. Prerequisite: Music 20A (completed with a grade of "C" or higher) or equivalent.

D 31276 Lab MW 10:30-11:20 1245 FLORES 01/22-05/31 GR 001
Lab By Arr 3.0 Hrs/Wk TBA GR

MUSA 21B  PIANO II 1.0 Unit
Development of skills in piano performance, notation, literature. Emphasis on further development of technique and performance. Prerequisite: MUSA 21A (completed with a grade of "C" or higher) or equivalent.

E 30005 Lab Wed 12:00-1:50 1223 Staff - Fi 01/22-05/31 GR 071
Lab By Arr 2.0 Hrs/Wk TBA GR

MUSA 21M  CLASS PIANO FOR MAJORS 1.0 Unit
Skills development for music majors and minors in playing major and minor scales, diatonic chord progressions, treble and bass clef reading, and simple hands together part playing. Strongly Recommended: MUSL 2A.

E 30005 Lab Wed 12:00-1:50 1223 Staff - Fi 01/22-05/31 GR 071
Lab Mon 6:00-7:50 TBA GR

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 4.

D 30388 Lab MW 10:30-11:20 1223 RICHMAN 01/22-05/31 OP 001
Lab By Arr 2.0 Hrs/Wk TBA OP

MUSA 23B  VOICE II 1.0 Unit
Development of skills in vocal performance, notation, literature. Emphasis on further development of technique and performance. Prerequisite: MUSA 23A (completed with a grade of "C" or higher) or equivalent.

D 32018 Lab TTh 12:00-12:50 1223 CONLEY 01/22-05/31 GR 001
Lab By Arr 2.0 Hrs/Wk TBA GR

MUSA 30 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.

D 32413 Lab By Arr 4.0 Hrs/Wk TBA JOHNSON 01/22-05/31 GR 001

MUSA 40 APPLIED LESSONS- OBOE 1.0 Unit
D 32414 Lab By Arr 4.0 Hrs/Wk TBA SHIDLER 01/22-05/31 GR 002

MUSA 40 APPLIED LESSONS- BASSOON 1.0 Unit
D 32415 Lab By Arr 4.0 Hrs/Wk TBA CHOU 01/22-05/31 GR 003

MUSA 40 APPLIED LESSONS- CLARINET 1.0 Unit
D 32416 Lab By Arr 4.0 Hrs/Wk TBA BONIFILIO 01/22-05/31 GR 004

MUSA 40 APPLIED LESSONS- SAXOPHONE 1.0 Unit
D 32417 Lab By Arr 4.0 Hrs/Wk TBA ZINN 01/22-05/31 GR 005

MUSA 40 APPLIED LESSONS- TRUMPET 1.0 Unit
D 32418 Lab By Arr 4.0 Hrs/Wk TBA OTT 01/22-05/31 GR 006

MUSA 40 APPLIED LESSONS- HORN 1.0 Unit
D 32419 Lab By Arr 4.0 Hrs/Wk TBA SHANNON 01/22-05/31 GR 007

MUSA 40 APPLIED LESSONS- LOW BRASS 1.0 Unit
D 32420 Lab By Arr 4.0 Hrs/Wk TBA KENNELLY 01/22-05/31 GR 008

MUSA 40 APPLIED LESSONS- PERCUSSION 1.0 Unit
D 32421 Lab By Arr 4.0 Hrs/Wk TBA STORCH 01/22-05/31 GR 009

If PROP 30 fails, classes outlined in red are subject to cancellation.
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.

D 30019 Lec Tue 1:00–2:15 1224 HARRIS 01/22-05/31 GR 001
Lec By Arr 1.5 Hrs/Wk ONLINE  GR
Lab By Arr 1.0 Hrs/Wk TBA  GR

D 32404 Lec Th 1:00–2:15 1224 HARRIS 01/22-05/31 GR 002
Lec By Arr 1.5 Hrs/Wk ONLINE  GR
Lab By Arr 1.0 Hrs/Wk TBA  GR

O 31114 By Arr 6.7 Hrs/Wk ONLINE HARRIS 01/22-05/31 GR 001
Lab By Arr 2.2 Hrs/Wk ONLINE  GR
MUSL 1-EN2 is an online course with no required on-campus meetings.

O 30836 By Arr 6.7 Hrs/Wk ONLINE HARRIS 01/22-05/31 GR 001
Lab By Arr 2.2 Hrs/Wk ONLINE  GR
MUSL 1-EN2 is an online course with no required on-campus meetings.

MUSL 2B  HARMONY AND MUSICIANSHIP II  3.0 Units
Continue diatonic harmony through part writing and ear training exercises as typified by musical practice from 1600 to the present. Continue solfeggio, chord recognition, melodic and rhythmic dictation, diatonic four-part voice leading, and figured bass realization. Introduces harmonic dictation, cadential elaboration, non-dominant seventh chords, and tonicization/modulation to the dominant. Prerequisite: MUSL 2A (completed with a grade of “C” or higher).

D 30649 Lab MW 8:00–9:15 1223 Staff - Fi 01/22-05/31 OP 001
Lab MW 9:30–10:20 1223  OP
Lab By Arr 1.0 Hrs/Wk TBA  OP

MUSL 2D  HARMONY AND MUSICIANSHIP IV  3.0 Units
Study of advanced chromatic harmony, 20th century harmonic practices, large musical structures, style composition, harmonic, structural, and stylistic analysis, and musicianship skills including sight singing, rhythmic training, dictation, and keyboard realization. Prerequisite: MUSL 2C (completed with a grade of “C” or higher).

D 30849 Lec TTh 9:30–10:20 1223 SCHULTZ 01/22-05/31 OP 001
Lab TTh 8:00–9:15 1223  OP
Lab By Arr 1.0 Hrs/Wk TBA  OP

MUSL 3  WORLD MUSIC  3.0 Units
The study of the folk and art music of world cultures. Includes the traditional music of Sub-Saharan Africa, Middle East, China, Japan, Indonesia, India, Latin America, Europe, and Native America. Attendance at four concerts in the San Francisco Bay Area required.

D 32449 By Arr 6.7 Hrs/Wk ONLINE HARRIS 03/18-05/17 OP 001
By Arr 2.2 Hrs/Wk ONLINE  OP
MUSL 3-EN1 is an online course with no required on-campus meetings.

MUSL 4  JAZZ STYLES  3.0 Units
History, trends, and influences of the phenomenon of jazz beginning with pre-Dixieland early 1900’s covering the various eras including Swing, Be-Bop and post Be-Bop to present day.

D 30018 Lec MW 9:00–10:15 1224 PALACIO 01/22-05/31 GR 001
D 32001 Lec TTh 9:00–10:15 1224 PALACIO 01/22-05/31 GR 002

MUSL 6  BASIC MUSIC SKILLS  2.0 Units
Essentials of music through notation, time elements, melody, harmony, and tonality, texture, dynamics and knowledge of the keyboard. Sight singing and ear training.

D 30021 Lec Tue 12:00–12:50 1224 SHANNON 01/22-05/31 OP 001
Lab Th 12:00–12:50 1224  OP
Lab By Arr 3.0 Hrs/Wk TBA  OP

MUSL 8  HIST ROCK & ROLL/POPULAR MUSIC  3.0 Units
A cultural survey of original American music traditions, forms and trends influenced by social, political and economic changes including blues, jazz, early rock, the “British invasion,” rap, hip hop culture, Latino rock, heavy metal, jazz-rock fusion, electronic, modern rock.

D 31719 Lec MW 1:00–2:15 1224 SCHULTZ 01/22-05/31 GR 071
Lab By Arr 1.0 Hrs/Wk TBA  GR

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.

D 32407 Lec TTh 2:45–4:00 1245 HARRIS 01/22-05/31 GR 001
Lab By Arr 1.0 Hrs/Wk TBA  GR

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. Enrollment subject to a standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level.

E 32408 Lab Wed 7:00–9:50 1245 HARRIS 01/22-05/31 OP 011
Lab By Arr 1.0 Hrs/Wk TBA  OP

MUSP 14A  JAZZ LAB I  1.0 Unit
Reading, preparation and performance of contemporary jazz music. Opportunity to apply improvisation techniques in a small group setting. Enrollment subject to a standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level. Enrollment by audition only.

D 32405 Lec MW 1:00–2:30 1250 Staff - Fi 01/22-05/31 GR 001
D 32406 Lab TTh 1:00–2:30 1220 Staff - Fi 01/22-05/31 GR 002

If Prop 30 fails, classes outlined in red are subject to cancellation.
MUSP 14B  JAZZ LAB II  1.0 Unit
For continuing instrumentalists who want expertise 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. Prerequisite: Music 14A
(completed with a grade of “C” or higher) or equivalent.
D 31440 Lab AW 1:00 2:30 1220 Staff - Fi 01/22-05/31 GR 001
Lab By Arr 0.4 Hrs/Wk TBA
D 31877 Lab TTh 1:00 2:30 1220 Staff - Fi 01/22-05/31 GR 002
Lab By Arr 0.4 Hrs/Wk TBA

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.
D 32409 Lab TTh 1:00 2:30 1250 PALACIO 01/22-05/31 GR 001
Lab By Arr 0.4 Hrs/Wk TBA

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.
E 32410 Lab Wed 7:00 9:50 TBA PALACIO 01/22-05/31 GR 071
Lab By Arr 1.0 Hrs/Wk TBA

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.
D 31277 Lab Th 12:00 12:50 1245 STORCH 01/22-05/31 GR 001
Lab By Arr 3.0 Hrs/Wk TBA

MUSP 44  CONCERT CHOIR  1.0 Unit
Development of vocal and musical ability to interpret and perform the highest
caliber of choral literature.
D 31216 Lab TTh 10:30 11:45 1224 CONLEY 01/22-05/31 GR 001
Lab By Arr 1.0 Hrs/Wk TBA

MUSP 45  CHAMBER CHOIR  1.0 Unit
Development of sufficient vocal and musical 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.
E 31785 Lab TTh 10:30 11:45 1224 CONLEY 01/22-05/31 GR 071
Lab By Arr 1.0 Hrs/Wk TBA

NURS 53  PSYCHIATRIC NURSING  4.0 Units
Emphasis on the application 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 physiologic and psychological adaptation of families experiencing regnancy,
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 issues, 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,
with a grade of “C” or better. Satisfactory completion of or concurrent
enrollment in Nursing 57, 58, 64, and 75.
D 30442 Lec Mon 9:00 10:50 3102 MOFIDI 01/22-05/31 GR 001
Lec Th 10:00 11:50 3102
Clin Mon 11:00 12:50 3102
Clin TW 7:00 12:25 *060
Lab By Arr 3.0 Hrs/Wk TBA

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 physiologic and psychological adaptation of families experiencing regnancy,
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 issues, 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,
with a grade of “C” or better. Satisfactory completion of or concurrent
enrollment in Nursing 57, 58, 64, and 75.
D 30443 Lec Mon 10:00 11:50 3102 CROCKERHAM 01/22-05/31 GR 001
Lec Th 10:00 11:50 3102
Clin Mon 12:00 1:50 3102
Clin TW 2:45 8:00 *060
Clin Th 12:00 1:50 3102

NURS 60  ADULT HEALTH I  8.5 Units
Emphasis is on the use of the 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 biopsychosocial assessment skills, nutrition,
pharmacological and crisis intervention concepts, legal-ethical issues, and anger
management (directed inward or outwards the environment) into the care of
these patients. Prerequisites: Completion of Nursing 55, 56, 61, 69, with
a grade of “C” or better. May be taken concurrently with Nursing 57, 58, 64, 75.
D 30444 Lec Mon 10:00 11:50 3102 COCKERHAM 01/22-05/31 GR 001
Lec Th 10:00 11:50 3102
Clin Mon 12:00 1:50 3116
Clin TW 2:45 8:00 *060
Clin Th 12:00 1:50 3116

NURS 60B  ADULT HEALTH II  6.0 Units
Nursing interventions that assist the adult client in adaptation to stressors of acute
and chronic illnesses with unpredictable outcomes. Focus on caring for groups
of clients in the medical-surgical setting. Prerequisites: Nursing 88 and Nursing
88L (or equivalent) and all required nursing courses (or equivalent) in semester
one through three, and concurrent or prior enrollment in Nursing 73 and concurrent
enrollment in Nursing 66 (complete with a grade of “C” or higher).
D 30513 Lec Mon 10:00 12:20 3115 GILLIS 01/22-04/11 GR E01
Lec Th 10:00 11:50 3115
Clin Mon 9:00 9:50 3115
Clin Tue 7:00 2:05 *260
Clin Wed 7:00 2:05 *260

(continued on next page)

If Prop 30 fails, classes outlined in red are subject to cancellation.

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NURS 55B ADULT HEALTH II (continued)

**D 31884 Lec Mon 10:00-12:20 3115 Staff - P** 01/22-04/11 GR E04
**Lec Th 10:00-11:50 3115** GR
**Clin Mon 9:00-9:50 3115** GR
**Clin Th 2:45-9:50 *060** GR

*Offsite room *060 meets at LOCAL HOSPITALS HAYWARD, CA

**D 30767 Lec Mon 10:00-12:20 3115 CRISTOBAL** 01/22-04/11 GR EV1
**Lec Th 10:00-11:50 3115** GR
**Clin Mon 9:00-9:50 *192** GR
**Clin Th 7:00-2:05 *192** GR

*Offsite room *192 meets at VALLEY CARE PLEASANTON, CA

**D 31149 Lec Mon 10:00-12:20 3115 CRISTOBAL** 01/22-04/11 GR EV2
**Lec Th 10:00-11:50 3115** GR
**Clin Th 7:00-2:05 TBA** GR
**Clin Mon 9:00-9:50 TBA** GR

*Offsite room *192 meets at VALLEY CARE PLEASANTON, CA

**NURS 60C ADULT HEALTH III**

3.5 Units

Transitional skills needed by the nursing student who is completing the program. Includes skills that facilitate entry into today’s nursing practice arena.

**Prerequisite:** Physiology 2, Physiology 2L, Nursing 60B, 66 and all prior courses in the Associate Degree Nursing program (all completed with a grade “P,” “C,” or higher).

**D 30514 Lec Mon 1:00-2:50 3115 Staff - P** 04/15-05/23 GR E01
**Clin Mon 11:00-11:50 2271** GR
**Clin By Arr 23.0 Hrs/Wk *060** GR

*Offsite room *060 meets at LOCAL HOSPITALS HAYWARD, CA

**D 30515 Lec Mon 1:00-2:50 3115 Staff - P** 04/15-05/23 GR E02
**Clin Mon 11:00-11:50 2202** GR
**Clin By Arr 23.0 Hrs/Wk *060** GR

*Offsite room *060 meets at LOCAL HOSPITALS HAYWARD, CA

**D 30516 Lec Mon 1:00-2:50 3115 Staff - P** 04/15-05/23 GR E03
**Clin Mon 11:00-11:50 3115** GR
**Clin By Arr 23.0 Hrs/Wk *060** GR

*Offsite room *060 meets at LOCAL HOSPITALS HAYWARD, CA

**NURS 75 FLUID AND ELECTROLYTES**

1.0 Unit

Introduction to principles of fluid and electrolyte balance. Assessment and treatment of imbalances; parenteral therapy; acid-base balance; interpretation and application of laboratory results. 

**Satisfactory completion of all nursing courses in the first semester of the nursing curriculum (of equivalent) and concurrent enrollment in Nursing 57, 58, and 59 (or 60A) and 64 or possession of a valid California RN or LVN license. California LVN license required.**

**D 30408 Lec Mon 8:00-8:50 3115 GILLIS** 01/22-05/31 OP 001

**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-partum 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).

**D 31152 Lec Mon 9:00-10:50 3102 TELLES** 01/22-05/31 OP 001

*IMPORTANT NOTE: Students enrolling in this class MUST ATTEND a mandatory orientation Tuesday, December 11, at 10:00am, room 2271.

**NURS 82 OBSTETRICAL NURSING THEORY**

2.0 Units

Emphasis is placed on the nursing interventions that assist the child and family with adaptive processes necessary to cope with acute and chronic conditions affecting infants, children, and adolescents. The focus is also on medical/ surgical illnesses, child abuse, and cultural diversity as they affect child care. It includes application of principles of growth and development, physical assessment skills, and pharmacological concepts unique to the child. 

**Prerequisite:** Valid California LVN/LVN. license.

**D 31151 Lec Th 10:00-11:50 3102 MOFFET** 01/22-05/31 OP 001

*IMPORTANT NOTE: Students enrolling in this class MUST ATTEND a mandatory orientation on Tuesday, December 6, at 10:00am, room 225B.

**NURS 84 PRESCRIPTIVE CLINICAL SKILLS**

0.5 Unit

Gaining experience in practicing and refining selected clinical skills used in the nursing care of the patient in acute care and community based settings.

**Prerequisite:** Completion of Nursing 55 or equivalent.

D 31255 Lab By Arr 1.5 Hrs/Wk 3116 GERTON 01/22-05/31 P/N 001

**NURS 88 PATHOPHYSIOLOGY**

3.0 Units

Pathophysiological process in selected disease states in the following systems of the human body: endocrine, renal, cardiovascular, pulmonary, gastrointestinal, and neurological. Purpose and results of supporting laboratory, radiological, and other appropriate diagnostic studies used in confirming the presence or absence of the selected disease states will be explored. Critical thinking exercise, case studies and examinations. 

**Prerequisites:** Satisfactory completion of Human Physiology 1 and Microbiology 1 (or equivalent) and: satisfactory completion of (or concurrent enrollment in) Nursing 70 and possession of a valid California LVN license, or possession of a valid California RN license, or satisfactory completion of all required nursing courses in the first year of the nursing curriculum and concurrent enrollment in the second semester of the nursing program (Nursing 75, Nursing 59 or Nursing 60A or possession of a valid California LVN or RN license).

**D 31660 Lec Th 8:00-9:50 3115 CRISTOBAL** 01/22-05/31 GR ON1

*By Arr 1.0 Hrs/Wk ONLINE GR

Nursing 88-ON1 is a hybrid class.

**NURS 88L PHYSICAL ASSESSMENT**

1.0 Unit

Methodologies employed in Physical assessment in the clinical setting. Focus is on physical assessment techniques and advanced techniques utilized the status of neurological cardiac, and peripheral vascular, thoracic, musculoskeletal, integumentary, and abdominal systems. Laboratory and diagnostic tests (such as techniques of respiratory arterial blood gas analyses, pulse oximetry, and basic cardiac dysrhythmia interpretation). Health data base interviewing. 

**Prerequisite:** Satisfactory completion of Nursing 88 and Microbiology 1 (or equivalent) and: (1) satisfactory completion of (or concurrent enrollment in) Nursing 69 and Nursing 70, possession of a valid California LVN license, or satisfactory completion of all required nursing courses in the first year of the nursing curriculum and concurrent enrollment in the second semester of the nursing program and Nursing 88, or possession of a valid California RN license.

**D 31661 Lec Mon 10:00-11:50 3116 BAIARDI** 01/22-05/31 GR 001
**D 31663 Lec Mon 1:00-2:50 3115 STOUT** 01/22-05/31 GR 001
**D 31664 Lec Mon 1:00-2:50 3116 BAIARDI** 01/22-05/31 OP 001

*IMPORTANT NOTE: Students enrolling in this class MUST ATTEND a mandatory orientation Tuesday, December 11, at 10:00am, room 2271.

**NUTRITION**

**NUTR 1 THE SCIENCE OF NUTRITION**

3.0 Units

The science of nutrition including the nutrients, their functions, sources and recommended intakes. Nutritional assessment and the role of nutrition in the maintenance of health. For students majoring in the science and/or health fields. 

**Strongly Recommended:** Chemistry 30A and Math 65.

**D 30090 Lec MW 12:00-1:15 1904 CIRERA-PERE** 01/22-05/31 OP 001
**D 31220 Lec Th 10:30-11:45 804 CIRERA-PERE** 01/22-05/31 OP 002
**E 31074 Lec Tue 6:00-8:50 2254 CIRERA-PERE** 01/22-05/31 OP 071

*IMPORTANT NOTE: Students enrolling in this class MUST ATTEND a mandatory orientation on Tuesday, December 6, at 10:00am, room 225B.

O 31485 By Arr 3.0 Hrs/Wk ONLINE CIRERA-PERE 01/22-05/31 OP 001

*NUTR 1-ON1 is an online course with no required on-campus meetings.*

If Prop 30 fails, classes outlined in red are subject to cancellation.

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PHED 2SFE SWIMMING FOR EVERYONE 1.0 Unit
Students will improve their basic strokes and skills, endurance, self-confidence, and personal safety.

PHED 2ISE INTERMEDI SWIMMING FOR EVERYONE 1.0 Unit
Intermediate Swimming for Everyone is designed for students whose schedules do not allow enrollment in the traditional swim class setting.

PHED 2CW COMPETITIVE SWIMMING 1.0 Unit
Competitive Swimming is designed for elite competitive athletes capable of completing rigorous training standards required of athletes at the intercollegiate to national level.

PHOT 61 COLOR MATERIALS & PROCESSES 3.0 Units
Understanding theories of exposure, printing, and processing at various color materials. Visual problems related to color photography. Prerequisite: Photography 50.

PHIL 60 INTRO TO PHIL: ETHICS 3.0 Units
Problems of good and evil, right and wrong, individual and/or social action; principles, criteria or starting points for these issues and decisions as discussed and developed in great writings of the philosophical-literary tradition. (Formerly PHIL 2)

PHIL 50 GOD, NATURE, HUMAN NATURE 3.0 Units
Nature and range of philosophical inquiry in relation to everyday problems of humans as individuals, as citizen, as existing in nature, and as a creator of works of the arts and of the spirit. Analysis of primary philosophical documents that concentrate on these broad areas of a human's concerns. Introduction to Philosophy by the Philosophers' own works, their methods of procedure and inquiry; attention given to the development of skills for reading, analyzing, and pursuing philosophical argument.

PHYSICAL EDUCATION-FITNESS

PHED 25W SWIMMING-FITNESS 1.0 Unit
Designed as a cardiovascular activity, students will utilize a variety of strokes to increase strength and fitness.

PHED 25WI SWIMMING-BEGINNING/INTERMED 1.0 Unit
Learn to swim or practice your skills. Instruction and practice of the most fundamental elements of swimming and water safety skills.

PHED 3CD TRAIN COMPET SWIMMING & DIVING 1.5 Units
Training for competitive swimming and water polo.

PHOTOGRAPHY

PHOT 50 INTRODUCTION TO PHOTOGRAPHY 3.0 Units

PHIL 60 INTRO TO PHIL: ETHICS 3.0 Units
Problems of good and evil, right and wrong, individual and/or social action; principles, criteria or starting points for these issues and decisions as discussed and developed in great writings of the philosophical-literary tradition. (Formerly PHIL 2)

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PHED 2ASA AEROBICS/STEP AEROBICS 2 1.0 Unit
Designed to emphasize cardiovascular endurance through a variety of exercises that stimulate heart and lung activity. Combination of aerobic exercises and step aerobics.
D 31691 MW 7:30 8:45 2728 VILCHE 01/22-03/31 OP 001
D 30355 MW 9:00 10:15 2728 CALCAGNO 01/22-03/31 OP 002
D 30450 MW 10:30 11:45 2728 FRIEND 01/22-03/31 OP 003
D 31672 Ths 7:30 8:45 2728 VILCHE 01/22-03/31 OP 004
D 30655 Ths 9:00 10:15 2728 VILCHE 01/22-03/31 OP 005
D 31673 Ths 10:30 11:45 2728 SAMMONS 01/22-03/31 OP 006
D 30653 Fri 9:00 11:50 2728 VILCHE 01/22-03/31 OP 007

PHED 1AS AEROBIC SUPER CIRCUIT - ADV 0.5 Unit
Weight training with machines and circuit training to develop good muscle tone and cardiovascular fitness while burning fat.
D 32284 MW 5:30 6:25 *197 DAVIS 01/22-03/31 OP 001
D 32285 MW 6:30 7:25 *197 DAVIS 01/22-03/31 OP 002
D 32286 Ths 5:30 6:25 *197 DAVIS 01/22-03/31 OP 003
D 32287 Ths 6:30 7:25 *197 DAVIS 01/22-03/31 OP 004
Room *197 meets at ADVANCED CIRCUIT CENTER.

PHED 1ASC AEROBIC SUPER CIRCUIT 1 0.5 Unit
Developing cardiovascular efficiency, strength, muscular endurance and flexibility through the use of circuit training. Students will establish appropriate training volumes and intensities.
D 32104 MTWThFS 2.2 hrsTBA *197 DROUIN 01/22-03/31 P/N HC1
Room *197 meets at ADVANCED CIRCUIT CENTER.

PHED 2CB CARDIO BLAST 1.0 Unit
Cardio Blast is an intermediate conditioning class that emphasizes cardiovascular endurance activities using both step aerobics and regular aerobics that stimulate heart and lung activity.
D 31049 MW 7:30 8:45 2728 VILCHE 01/22-05/31 OP 001
D 30827 MW 9:00 10:15 2728 CALCAGNO 01/22-05/31 OP 002
D 30828 MW 10:30 11:45 2728 FRIEND 01/22-05/31 OP 003
D 31050 Ths 7:30 8:45 2728 VILCHE 01/22-05/31 OP 004
D 30829 Ths 9:00 10:15 2728 VILCHE 01/22-05/31 OP 005
D 30830 Ths 10:30 11:45 2728 SAMMONS 01/22-05/31 OP 006
D 30826 Fri 9:00 11:50 2728 VILCHE 01/22-05/31 OP 007

PHED 2FA FAT BURNING AEROBICS 2 1.0 Unit
Designed to build muscle and burn fat by performing aerobic exercises for cardiovascular endurance, flexibility and strength.
D 30330 MW 7:30 8:45 2728 VILCHE 01/22-03/31 OP 001
D 30363 MW 9:00 10:15 2728 CALCAGNO 01/22-03/31 OP 002
D 30509 MW 10:30 11:45 2728 FRIEND 01/22-03/31 OP 003
D 31674 Ths 7:30 8:45 2728 VILCHE 01/22-03/31 OP 004
D 31675 Ths 9:00 10:15 2728 VILCHE 01/22-03/31 OP 005
D 30510 Ths 10:30 11:45 2728 SAMMONS 01/22-03/31 OP 006
D 31676 Fri 9:00 11:50 2728 VILCHE 01/22-03/31 OP 007

PHED 2FSC FIRE SCIENCE CONDITIONING 1.0 Unit
An introductory physical conditioning and lecture course designed to prepare the fire science student for Fire Fighter Academy and pre-employment physical ability testing. Course session will address aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. Students will undergo physical assessment at the onset and conclusion of the semester.
D 30106 MW 1:00 2:15 2904 PASTORE 01/22-03/31 P/N 001
E 31061 Wed 6:00 8:50 2904 PASTORE 01/22-03/31 P/N 071

PHED 3FII FITNESS HRT/HLTH/FAT LOSS IV2 2.0 Units
Fitness Center Training for Heart Health and Fat loss. Training is how to lower body fat, develop the cardiovascular system, increase strength, muscular endurance and flexibility through the use of circuit training. Heart rate monitors will be used to teach students how to train safely and efficiently within their target heart rate zone. Students will learn how to access fitness, training and wellness information online. Computerized accountability will aid students in all variety of training principles. Students must bring a towel & student ID card and be dressed in workout attire (t-shirt and tennis shoes) for class.
D 31701 MTWThFS 4.5 hrsTBA 4051 DROUIN 01/22-03/31 OP 001

PHED 2FII FITNES HRT/HLTH/FAT LOSS IV1.5 1.5 Units
Fitness Center Training for Heart Health and Fat loss. Training is how to lower body fat, develop the cardiovascular system, increase strength, muscular endurance and flexibility through the use of circuit training. Heart rate monitors will be used to teach students how to train safely and efficiently within their target heart rate zone. Students will learn how to access fitness, training and wellness information online. Computerized accountability will aid students in all variety of training principles. Students must bring a towel & student ID card and be dressed in workout attire (t-shirt and tennis shoes) for class.
D 31701 MTWThFS 4.5 hrsTBA 4051 DROUIN 01/22-03/31 OP 001

PHED 3FII PHYSICAL FIT-LAW ENFORCEMENT 1.0 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 police officer. Course sessions will address aerobic and strength training, muscular endurance, nutrition and weight management, agility, coordination, balance and flexibility. An emphasis will be placed on injury prevention and back care. Students will undergo physical assessment at the onset and conclusion of the semester.
D 30834 MW 10:30 11:45 2904 PASTORE 01/22-03/31 OP 001

PHED 2GFW GUTS AND BUTTS WORKOUT 2 1.0 Unit
Reduce, shape, tone and strengthen the abdominal region and the buttocks and thigh areas through a series of exercises and music.
D 30473 MW 7:30 8:45 2728 VILCHE 01/22-03/31 OP 001
D 30505 MW 9:00 10:15 2728 CALCAGNO 01/22-03/31 OP 002
D 30511 MW 10:30 11:45 2728 FRIEND 01/22-03/31 OP 003
D 30476 Ths 7:30 8:45 2728 VILCHE 01/22-03/31 OP 004
D 30656 Ths 9:00 10:15 2728 VILCHE 01/22-03/31 OP 005
D 30512 Ths 10:30 11:45 2728 SAMMONS 01/22-03/31 OP 006
D 30481 Fri 9:00 11:50 2728 VILCHE 01/22-03/31 OP 007

PHED 2JFF JOG FOR FITNESS 1.0 Unit
Basic exercise and information on aerobic conditioning, stretching, and muscular strength training. Information on nutrition, dietary requirements, proper fitness equipment, and injury prevention will be presented.
D 30447 Ths 9:00 10:15 TRACK FRIEND 01/22-03/31 OP 001

PHED 2PL PILATES BASED EXERCISE 2 1.0 Unit
A gentle nonaerobic form of exercise used to build core strength and long lean muscles, bringing the body into balance, while improving posture and toning throughout.
D 31058 Ths 9:00 10:15 2920 SAMMONS 01/22-03/31 OP 001
D 31492 MW 10:30 11:45 2920 SAMMONS 01/22-03/31 OP 002

PHED 2PLS PILATES/STABILITY BALL 1.0 Unit
Go beyond the basic Pilates mat class by adding an element of instability, the stability ball. Integration of the basic movements of beginning Pilates with various exercises using the stability ball. Designed to provide an indepth and well rounded approach to building functional strength in the body with an emphasis on the core and stabilizing muscles.
D 31228 Ths 7:30 8:45 2920 SAMMONS 01/22-03/31 OP 001
PHED 2WJ POWER WALKING/JOGGING 2 1.0 Unit
Individualized activity of walking or jogging to burn fat and increase levels of fitness and energy.
D 30404 TTh 9:00-10:15 TRACK FRIEND 01/22-05/31 OP 001

PHED 2WFF WALKING FOR FITNESS 1.0 Unit
Individualized activity of walking to build endurance and muscle tone while burning fat.
D 30451 TTh 9:00-10:15 TRACK FRIEND 01/22-05/31 OP 001

PHED 2WW WOMEN’S WEIGHT TRAINING-INTER 1.0 Unit
Physical Education activity in the area of body mechanics. Designed to provide
basic information to students wishing to improve their physical fitness through
the use of machines, free weights, bikes and treadmills. Material is predicated
upon the use of sound physiological principles.
D 31269 TTh 10:30-11:45 4001 VILCHE 01/22-05/31 OP 001

PHED 2WJL WALK/JOG UNDER LIGHTS 2 1.0 Unit
Workout under the lights of the Chabot Football Field. Walk or jog to increase
cardiovascular endurance as well as increase tone and flexibility. It's never too dark.
E 31493 Wed 5:30-8:20 TRACK GRACE 01/22-05/31 OP 071

PHED 2WT WEIGHT TRAINING 2 1.0 Unit
Instruction and supervision of students with individualized fitness programs
using free weights to develop fitness, muscle tone and strength.
D 30863 MW 6:00-6:50 4001 KUBICKI 01/22-05/31 OP 001
D 30864 MW 12:00-1:15 4001 FRIEND 01/22-05/31 OP 002

PHED 2WTC WEIGHT TRAINING CIRCUIT 2 1.0 Unit
Phase-specific circuit training to develop strength, muscular endurance and
flexibility.
D 30866 MW 9:00-10:15 4001 DAVIS 01/22-05/31 P/N 001
D 30865 MW 10:30-11:45 4001 TAVIS 01/22-05/31 P/N 002
D 30867 TTh 9:00-10:15 4001 FRIEND 01/22-05/31 P/N 003
D 32477 MW 7:30-8:45 4001 VILCHE 01/22-05/31 P/N 004
E 30868 MW 4:30-5:45 4001 TAVIS 01/22-05/31 P/N 071

PHED 2WWW WOMEN’S WEIGHT TRAINING 2 1.0 Unit
Individualized weight training programs using Universal machines in order to
burn fat and develop fitness, tone and strength. Designed for women.
D 30909 TTh 10:30-11:45 4001 VILCHE 01/22-05/31 OP 001

PHED 2YCS YOGA CORE STRETCHING 1.0 Unit
Designed to present a number of exercises which will increase muscle endurance
and strength in the muscles which support the spine. It will incorporate
the awareness used in core strengthening and apply it in a safe practice of hatha
yoga. The student will practice traditional yoga postures in addition to breathing
exercises and methods of relaxation.
D 31238 MW 12:00-1:15 2728 AL TENBACH 01/22-05/31 OP 001
D 31085 MW 1:30-2:45 2728 AL TENBACH 01/22-05/31 OP 002

PHED 2YOC CONTINUING YOGA 1.0 Unit
Yoga asanas, balance postures, breathing exercises, and sequence work
requiring more strength than needed in the regular yoga class. Designed for the
experienced yoga student who wishes to challenge the basic yoga postures with
more advanced variations.
D 31655 MW 12:00-1:15 2728 AL TENBACH 01/22-05/31 OP 001
D 31656 MW 1:30-2:45 2728 AL TENBACH 01/22-05/31 OP 002

PHED 2YOI YOGA BEGINNING/INTERMEDIATE 1.0 Unit
Continuing yoga student will have the opportunity to explore more intermediate
variations on beginning yoga asanas. This class will include more work with vinyasa,
and sequence work, and varied breathing practice and relaxation techniques.
D 30482 MW 12:00-1:15 2728 AL TENBACH 01/22-05/31 OP 001
D 31654 MW 1:30-2:45 2728 AL TENBACH 01/22-05/31 P/N 002

PHED 2IP SPORTS CONDITIONING 0.5 Unit
A fitness program designed for those interested in participating in intercollegiate
athletics.
D 31486 MTWth 10:00-1:15 SFLD GRACE 01/02-01/17 OP E01
D 31666 MW 3:45-5:50 2500 ANGER 03/25-05/22 OP E02
D 31487 MTWth 11:00-1:50 FIELD TAVIS 12/26-01/17 OP E03
D 31488 Daily 1:00-3:05 2500 AYE 12/16-01/18 OP E04
D 32042 Daily 8:00-10:05 POOL KUBICKI 12/26-01/18 OP E05

PHYSICAL EDUCATION-INDIVIDUAL SPORTS

PHED 2AR ARCHERY 1.0 Unit
Techniques of shooting target archery with emphasis on proper form. Equipment
will be provided.
D 31155 MW 10:30-11:45 AFLD IGWE 01/22-05/31 OP 001
D 30001 TTh 10:30-11:45 AFLD IGWE 01/22-05/31 OP 002

PHED 2AR A INTERMEDIATE ARCHERY 1.0 Unit
Intermediate Archery is designed for individuals who possess basic archery
skills, and who are familiar with basic archery concepts. Class activity includes
consultation to determine status, observation, discussion and feedback designed
to promote improvement in shooting mechanics.
D 31051 MW 10:30-11:45 AFLD IGWE 01/22-05/31 OP 001
D 30654 Th 10:30-11:45 AFLD IGWE 01/22-05/31 OP 002

PHED 2BD BADMINTON 2 1.0 Unit
Basic skills of badminton with emphasis on strategy for singles, doubles and
mixed doubles.
D 32288 Fri 9:00-11:50 2500 MORRIS 01/22-05/31 OP 001

PHED 2BDT BADMINTON-TOURNAMENT 1.0 Unit
A competitive experience emphasizing the fundamentals of strategies in single
and doubles.
D 32289 Fri 9:00-11:50 2500 MORRIS 01/22-05/31 OP 001

PHED 2TN2 TENNIS-NOVICE-LEVEL 2 1.0 Unit
For students who have had elementary instruction but have played very little
since. For others who know the general idea of strokes, tactics and strategy, but
have played too little to be able to apply their strokes to play.
E 31264 MW 3:00-5:15 COURT MORRIS 01/22-05/31 OP 071

PHED 2TN1 TENNIS-BEGINNING/INTERMEDIATE2 1.0 Unit
Instruction in the basic fundamentals of tennis including the forehand, backhand
and serve. Also includes singles and doubles.
D 31631 Th 10:30-11:45 COURT MORRIS 01/22-05/31 OP 001
D 31623 MW 3:00-5:15 COURT MORRIS 01/22-05/31 OP 071

PHED 2T13 TENNIS-INTERMEDIATE-LEVEL 3 1.0 Unit
Review of the techniques of the forehand and backhand drives and volleys,
varieties of serves, lobs, and smashes; instruction in court strategy for singles and
doubles; use of spin on all shots for control and variety.
E 31266 MW 3:00-5:15 COURT MORRIS 01/22-05/31 OP 082
PHED 2TA4 TENNIS-ADVANCE-LEVEL 4 1.0 Unit
Review of fundamental strokes and shots with emphasis on provisions for individual differences and preferences while emphasizing mechanically sound techniques. Practice in using a variety of game plans and in playing against those plans. Drill covering five basic play situations: serving, returning serves, baseline rallies, going to the net and playing the net, and playing against the net player. Competition will be provided in form of "play for practice."
S 31265 Sat 12:00 2:50 COURT MORRIS 01/22-05/31 OP 001

PHED 2TN2 TENNIS-NOVICE-LEVEL 2 0.5 Unit
For students who have had elementary instruction but have played very little since. For others who know the general idea of strokes, tactics and strategy, but have played too little to be able to apply their strokes to play.
S 31608 Sat 10:00 11:50 COURT MORRIS 01/22-05/31 OP 001

PHED 1TN1 TENNIS-BEGINNING/INTERMEDIATE 0.5 Unit
Instruction in the basic fundamentals of tennis including the forehand, backhand and serve. Also includes singles and doubles.
S 31607 Sat 10:00 11:50 COURT MORRIS 01/22-05/31 OP 002

PHD 31 INTERCOLLEGIATE BASKETBALL 1.0 Unit
Training for intercollegiate competition. Daily practice.
D 30582 Daily 3:00 3:50 2500 AYE 01/22-05/31 OP 001

PHD 33 INTERCOLLEGIATE GOLF 2.0 Units
Training for intercollegiate competition. Daily Practice.
D 30584 Daily 3:30 5:20 TBA PAPACHRISTO 01/22-05/31 OP 001
Offsite room *052 meets at LAS POSITAS GOLF COURSE, 909 CLUBHOUSE DRIVE LIVERMORE, CA.

PHD 34 INTERCOLLEGIATE TENNIS 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30585 Daily 2:30 4:20 COURT MORRIS 01/22-05/31 OP 001

PHD 35 INTERCOLLEGIATE TRACK & FIELD 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30586 Daily 3:35 5:25 TRACK ROBINSON 01/22-05/31 OP 001

PHD 37 INTERCOLLEG SWIMMING & DIVING 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30587 Daily 3:00 4:50 POOL KUBICKI 01/22-05/31 OP 001

PHD 41 WOMEN'S INTERCOLLEGIATE BSKTBL 1.0 Unit
Training for intercollegiate competition. Daily practice.
D 30588 Daily 12:00 1:50 2500 ANGER 01/02-03/15 OP E01

PHD 42 WOMEN'S INTERCOLLEGIATE SOFTBL 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30589 Daily 3:00 4:50 SFLD GRACE 01/22-05/31 OP 001

PHD 44 WOMEN'S INTERCOLLEGIATE TENNIS 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30579 Daily 2:30 4:20 COURT MORRIS 01/22-05/31 OP 001

PHD 45 WOMEN'S INTERCOLLEGIATE TRACK/FIELD 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30581 Daily 3:35 5:25 TRACK ROBINSON 01/22-05/31 OP 001

PHD 47 WOMEN'S INTERCOLLEGIATE SWIM/DIVING 2.0 Units
Training for intercollegiate competition. Daily practice.
D 30580 Daily 3:00 4:50 POOL KUBICKI 01/22-05/31 OP 001

PHYSICAL EDUCATION-MARTIAL ARTS

PHD 3DCF DEFENSIVE COMPETITIVE FOOTBALL 1.5 Units
Specifically designed to give the student of advanced ability an opportunity to train, review practice and learn the basic fundamental skills required to become a successful defensive football player.
D 31956 Daily 1:30 2:20 FIELD FRIEND 01/22-05/31 OP 001

PHD 3JU JUDO 1.0 Unit
Designed to acquaint the beginner with the history and elementary arts of judo while improving physical and mental development.
D 30002 MW 9:00 10:15 2920 SIROY 01/22-05/31 OP 001

PHD 2JUA JUDO-ADVANCED 1.0 Unit
Designed to acquaint the advanced student with more advanced judo techniques and be able to compete in judo tournaments. It is also designed to improve physical development (Renshindo) and mental development (Shushindo). It promotes many aspects of physical fitness, neuromuscular development and mental discipline.
D 30421 MW 9:00 10:15 2920 SIROY 01/22-05/31 OP 001

PHYSICAL EDUCATION-TEAM SPORTS

PHD 3BA BASEBALL-ADVANCED 1.5 Units
Physical education sections are organized to include activities in four areas. Advanced baseball is included in the area of team sports. This course is specifically designed to give the student of advanced ability an opportunity to review and practice the basic fundamental skills relative to the game of baseball with other students of similar ability.
D 31956 Daily 1:30 2:20 FIELD FRIEND 01/22-05/31 OP 001

PHD 2FPL FOOTBALL PASSING LEAGUE 1.0 Unit
Compete in an organized league. Sign up as a team or a free agent. League schedule will follow a practice game schedule.
D 32290 MW 10:30 11:45 2500 AYE 01/22-05/31 OP 001
D 32291 Thh 10:30 11:45 2500 AYE 01/22-05/31 OP 001

PHD 2BKL BASKETBALL LEAGUE 1.0 Unit
Compete in an organized league. Sign up as a team or a free agent. League schedule will follow a practice game schedule.
D 32292 MW 10:30 11:45 2500 AYE 01/22-05/31 OP 001
D 32293 Thh 10:30 11:45 2500 AYE 01/22-05/31 OP 001

PHD 2BKT TOURNAMENT BASKETBALL 1.0 Unit
Emphasis on basic skills of basketball strategies and team play.
D 32294 Th 6:00 8:50 2500 AYE 01/22-05/31 OP 001

PHD 2FPL FOOTBALL PASSING LEAGUE 1.0 Unit
Play in a competitive Spring Football Passing League.
D 30487 Wed 4:00 6:50 FIELD CALCAGNO 01/22-05/31 OP 001

PHD 2FT TOUCH FOOTBALL 1.0 Unit
A competitive experience, will stress basic fundamentals and team play of touch football.
D 30486 Mon 4:00 6:50 FIELD CALCAGNO 01/22-05/31 OP 001

PHD 3DCF DEFENSIVE COMPETITIVE FOOTBALL 1.5 Units
Specifically designed to give the student of advanced ability an opportunity to train, review practice and learn the basic fundamental skills required to become a successful defensive football player. Prerequisite: A student must have completed
D 31030 Thh 1:30 3:45 4001 Staff - P 01/22-05/31 OP 001
PHED 3OCF OFFENSIVE COMPETITIVE FOOTBALL 1.5 Unit
Specifically designed to give the student of advanced ability an opportunity to train, review practice, and learn the basic fundamental skills required to become a successful offensive football player. Prerequisite: A student must have competed on an interscholastic team, or a high school varsity team, or its equivalent to be eligible for the class.

D 31031 MW 1:30 3:45 4001 CALCAGNO 01/22-05/31 OP 001

PHED 2SC SOCCER 1.0 Unit
Basic fundamentals of soccer including offensive and defensive strategies. Open to all skill levels.

D 30331 MW 12:00 1:15 SFLD IGWE 01/22-05/31 OP 001
D 32478 MW 9:00 10:15 2500 IGWE 01/22-05/31 OP 002
D 32479 Th 9:00 10:15 2500 IGWE 01/22-05/31 OP 003

PHED 3TCS TRAINING-COMPETITIVE SOCCER 1.5 Units
Designed to give the student an understanding and training in the advanced principles of competitive soccer. Training and skill development will be combined in practice and applied in game situations. Prerequisite: Successful completion of the elementary soccer course at Chabot College, or interscholastic or intercollegiate team competition.

D 31032 MWF 2:30 3:55 FIELD IGWE 03/18-05/24 OP E01
D 32031 TThF 2:30 3:55 FIELD BATHELT 03/19-05/24 OP E02

PHED 2FSB FAST PITCH SOFTBALL 2 1.0 Unit
Designed for females who are competing on the Women's Intercollegiate Softball Team.

D 32068 MW 1:30 2:45 SBFLD GRACE 01/22-05/31 OP 001

PHED 3TCV TRAIN COMPETITIVE VOLLEYBALL 1.5 Units
Previous instruction in ball handling, spiking, serving and team play.

D 31029 MWF 7:30 8:55 2500 SAMMONS 01/22-05/31 OP 001

PHED 2VBI VOLLEYBALL-BEGINNING/INTERMED2 1.0 Unit
Instruction in the basic fundamentals of volleyball including offensive and defensive strategies, especially for beginners and intermediate players.

E 32297 Mon 6:00 9:05 2500 SAMMONS 01/22-05/31 OP 071

PHED 2VBT VOLLEYBALL-TOURNAMENT 1.0 Unit
Emphasis on basic skills of volleyball strategies and team play.

E 32298 Mon 6:00 9:05 2500 SAMMONS 01/22-05/31 OP 071

PHED 3TCW TRAINING COMPETITIVE WRESTLING 1.5 Units
Study, training and practice of the skill needed to compete in the sport of wrestling. Practice of maneuvers requiring a high degree of wrestling skill or ability. Review and practice of fundamental skills, practice of advanced skill, such as: takedowns, double single, high-crotch, ducks, drags, shucks, whizzer series, cross body ride series, stand-up series and roll series. Prerequisite: A student must have competed on an interscholastic team, or a high school varsity team, or its equivalent to be eligible for this class.

D 31165 MTW 1:30 2:50 2900 SIROY 01/22-05/31 OP 001

PHED 4 BASIC HEART RATE TRAINING 1.0 Unit
Students learn how to improve fitness utilizing pulse and a heart rate monitor. They will learn how to create a balanced long exercise program using heart rate as a guide.

O 30913 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 OP ON1
PHED 4-ON1 is an online course with no required on-campus meetings.

PHED 6 PHYSICAL FITNESS ASSESSMENTS 0.5 Unit
Physical Fitness Assessments will measure body composition, flexibility, muscular strength and endurance. Students will develop and understand a summary of their fitness status, as well as an exercise prescription to maintain or improve their physical fitness level.

D 30765 Lec By Arr 0.5 Hrs/Wk ONLINE VILCHE 01/22-05/31 P/N01
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 2904. Assessment times are: Tuesday, January 29, 1:00pm and 5:00pm; Thursday, January 31, 12 noon.

PHED 16 COLLEGE SUCCESS FOR ATHLETES 1.0 Unit
Designed to aid 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 30591 By Arr 1.0 Hrs/Wk ONLINE DROUIN 01/22-05/31 GR ON1
PHED 16-ON1 is an online course with no required on-campus meetings.

PHED 17 INTRO ATHLETIC TRAINING 4.0 Units
Introduction to basic taping skills, therapeutic modalities, and rehabilitation principles associated with the field of athletic training. There is a strong emphasis on injury prevention, recognition and management. Designed to be preparatory for a career in athletic training.

D 30593 Lec MW 9:00 10:15 1904 MILLER 01/22-05/31 OP 001
Lab By Arr 3.0 Hrs/Wk 2906 OP

PHED 18 HEALTH/FITNESS FOR YOUR DISABILITY 3.0 Units
Application of current health teachings to individuals and life. Physiological, psychological, and social perspectives of health will be covered. Emphasis on knowledge, attitudes and behaviors that will contribute to a healthy individual. 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.

O 30594 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 OP ON1
PHED 18-ON1 is an online course with no required on-campus meetings.

PHED 20 INTRODUCTION TO PHYS EDUCATION 3.0 Units
Survey of physical education with emphasis on the basic elements, foundations, career opportunities and the relationship of physical education to other fields.

O 31809 By Arr 3.0 Hrs/Wk ONLINE MILLER 01/22-05/31 OP ON1
PHED 20-ON1 is an online course with no required on-campus meetings.

PHED 23 SPORTS OFFICIATING 2.0 Units
Theory and practical application of sports officiating with emphasis on the rules, techniques and mechanics of officiating.

E 32198 Lec Mon 5:30 7:00 TBA Staff - P 03/04-05/25 OP E71
Lab Wed 5:30 7:00 TBA OP
Lab Sat 10:00 1:25 TBA OP

PHED 27 PRINC COACHING INTERSCHOLASTIC 2.0 Units
Theory, principles and ethics of coaching interscholastic sports with emphasis on the fundamentals and techniques of coaching. Course completion certificate available upon completion (with grade of "C" or higher).

D 31027 Lec TTh 10:30 11:20 2904 FRIEND 01/22-05/31 OP 001
Lab Tue 5:00 5:50 BFLD OP
D 31158 Lec MW 2:30 3:20 TBA PAPACHRISTO 01/22-05/31 OP 002
Lab Tue 2:30 3:20 *052 OP
Offsite room *052 meets at LAS POSITAS GOLF COURSE, 909 CLUBHOUSE DRIVE LIVERMORE, CA. First class meeting held in Main Gymnasium, bldg.2500.

If PROP 30 fails, classes outlined in red are subject to cancellation.
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. Current assessment of fitness level, designing a personal fitness and nutritional plan. May not receive credit if NUTR 57 has been completed.

O 32105 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 GR ON1
PHED 57-ON1 is an online course with no required on-campus meetings.

PHYS

PHYS 2B • INTRODUCTION TO PHYSICS II 4.0 Units
Electro-circuits, electromagnetic waves, optics and modern physics. Prerequisite: Physics 2A (completed with a grade of “C” or higher), CAN PHYS 4, PHYS SEQ A
D 31506 Lec MWF 8:30-9:20 1806 ALEXANDER 01/22-05/31 GR 001
Lab Wed 9:25-10:15 1806 ALEXANDER
E 30065 Lec Mon 6:30-9:20 1806 ALEXANDER 01/22-05/31 GR 071
Lab Wed 6:30-9:20 1806

PHYS 4A • GENERAL PHYSICS I 5.0 Units
Introduction to the principles of Newtonian mechanics using calculus as needed. Vectors, kinematics, dynamics, energy, momentum, rotation, oscillations, gravitation, and fluids. Prerequisite: Mathematics 1 (completed with a grade of “C” or higher). This course may require you to purchase access to an online physics learning environment.
D 30069 Lec Mon 1:30-4:20 1802 ALEXANDER 01/22-05/31 GR 001
Lec Wed 12:10-1:00 1810
Lab Wed 1:30-4:20 1810
D 30070 Lec Mon 1:30-4:20 1802 ALEXANDER 01/22-05/31 GR 002
Lec Fri 12:10-1:00 1810
Lab Fri 1:30-4:20 1810

PHYS 4B • GENERAL PHYSICS II 5.0 Units
Thermodynamics, electric fields, electric currents, magnetic fields, induced currents, and alternating circuits. Prerequisite: Physics 4A and Mathematics 2 (both completed with a grade of “C” or higher). This course may require you to purchase access to an online physics learning environment.
D 31236 Lec MW 1:30-2:45 1902 HILDRETH 01/22-05/31 GR 001
Lec Mon 3:00-3:50 1902
Lab Fri 1:30-4:20 1806

PHYS 4C • GENERAL PHYSICS III 5.0 Units
Electromagnetic spectrum, including reflection, refraction, diffraction, interference, polarization, fluids, sound waves and thermodynamics. Prerequisites: Physics 4B and Mathematics 3 (both completed with grade of “C” or higher). This course may require you to purchase access to an online physics learning environment. CAN PHYS 14, PHYS SEQ B
D 30071 Lec MF 1:30-2:45 1908 DAVE 01/22-05/31 GR 001
Lec Mon 3:00-3:50 1908
Lab Wed 1:30-4:20 1806

PHYS 5 • MODERN PHYSICS 3.0 Units
Special relativity and modern physics, including photons, quantum mechanics, atoms, solids, nuclear physics, particle physics and cosmology. Prerequisite: Physics 4B (completed with grade of “C” or higher).
E 32112 Lec TTh 5:00-6:15 1806 DAVE 01/22-05/31 GR 071

PHYS 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 System 8 or Computer Science 8. May not receive credit if Engineering 25 or Mathematics 25 has been completed.
D 30861 Lec Tue 1:00-2:50 1810 MAYER 01/22-05/31 GR 001
Lab Wed 6:00-7:15 1813
Lab Wed 4:30-5:45 1813

POLITICAL SCIENCE

POS 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.
D 31786 Lec MW 9:00-10:15 506 NELSON 01/22-05/31 OP 001
D 31787 Lec MW 12:00-1:15 506 NELSON 01/22-05/31 OP 002
D 31788 Lec TTh 9:00-10:15 506 PARKER 01/22-05/31 OP 003
D 31789 Lec TTh 10:30-11:45 506 PARKER 01/22-05/31 OP 004
D 31790 Lec TTh 1:30-2:45 506 NOORI 01/22-05/31 OP 005
E 31791 Lec Wed 6:00-8:50 555 NOORI 01/22-05/31 OP 071
O 31792 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 OP ON1
POS 1-ON1 is an online course with no required on-campus meetings.

POS 20 • COMPARATIVE GOVERNMENT 3.0 Units
Contemporary forms of government, institutions and political problems of selected national governments. Strongly Recommended: Eligibility for English1A and Political Science 1.
D 31945 Lec TTh 10:30-11:45 503 NOORI 01/22-05/31 GR 001

POS 25 • INTRO TO POLITICAL THEORY 3.0 Units
Various theoretical approaches to politics, including selected political thinkers from ancient times to the present, and the application of political theory to current political realities. Strongly Recommended: Eligibility for English 1A and completion of Political Science 1.
D 31794 Lec Mon 5:00-7:50 556 FORTUNA 01/22-05/31 GR 001

POS 30 • INTERNATIONAL RELATIONS 3.0 Units
Introduction to international politics, theories, and global institutions, focusing on international actors and their interactions with one another. Emphasis on current events.
D 31975 Lec TTh 1:30-2:45 552 PARKER 01/22-05/31 GR 001

POS 51 • STUDENT LEADERSHIP LABORATORY 1.0-2.0 Units
Practical application of effective student leadership skills. Includes, but is not limited to, conducting and attending meetings, holding office hours, sitting on committees, and planning and attending campus events. Students will attend and participate in Associated Student meetings, club, or shared governance meetings to receive credit for this course.
D 32431 Lab Wed 3:00-5:50 105 PARKER 01/22-05/31 P/N 001
D 32432 Lab Mon 3:00-5:50 105 PARKER 01/22-05/31 P/N 002
Lab Wed 6:00-8:50 105 P/N

PSY

PSY 1 • GENERAL PSYCHOLOGY 3.0 Units
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 31677 Lec MW 9:00-10:15 556 ESTEPA 01/22-05/31 GR 001
D 31678 Lec MW 10:30-11:45 556 ESTEPA 01/22-05/31 GR 002
D 31679 Lec Mon 3:00-5:50 505 RAHMANY 01/22-05/31 GR 003
D 31680 Lec TTh 7:30-8:45 551 MORIN 01/22-05/31 GR 004
D 31681 Lec TTh 9:00-10:15 551 MORIN 01/22-05/31 GR 005
D 31682 Lec TTh 10:30-11:45 556 NIJJAR 01/22-05/31 GR 006
D 31683 Lec TTh 12:00-1:15 556 NIJJAR 01/22-05/31 GR 007
D 31684 Lec Tue 1:30-4:20 556 NIJJAR 01/22-05/31 GR 008
D 32045 Lec TTh 10:30-11:45 503 NOORI 01/22-05/31 GR 009
E 31685 By Arr 3.0 Hrs/Wk ONLINE GRACE 01/22-05/31 GR ON1
POS 1-ON1 is an online course with no required on-campus meetings.

If Prop 30 fails, classes outlined in red are subject to cancellation.
PSY 1 GENERAL PSYCHOLOGY (continued)

O 31687 By Arr 3.8 Hrs/Wk ONLINE ESTEPA 01/22-05/31 GR EN3
O 31690 By Arr 3.8 Hrs/Wk ONLINE PIERSON 01/22-05/31 GR EN6

PSY 1:ON1-ON6 is an online course with no required on-campus meetings.

O 31705 Lec Sat 8:00 9:50 856 EGUSA 01/22-05/31 GR OPN
By Arr 2.9 Hrs/Wk ONLINE
PSYC 1-OPN is a hybrid PACE course with required on-campus meetings on Saturday, Jan 26; Feb 2; Mar 2; Apr 13; May 11; 8:00-9:50 am, room 856. Enrollment will be given to PACE students.

PSY 2 PSYCHOLOGICAL METHODOLOGY 3.0 Units
Introduction to scientific method in the study of human and animal behavior. Designing, performing, and reporting behavioral science experiments and surveys. Fundamentals of research design, hypothesis testing, and reasoning in inferential statistics. Strongly Recommended: Psychology 1.

D 31691 Lec MW 12:00 1:15 559 PIERSON 01/22-05/31 GR 001
D 31692 Lec Tue 1:30 4:20 557 PIERSON 01/22-05/31 GR 002

PSY 3 SOCIAL PSYCHOLOGY 3.0 Units
Introduction to theories and concepts that explain individual behavior in social settings. Topics include research methods, social perception, social cognition, beliefs, prejudice/discrimination, interpersonal relationships, aggression, and group behavior. Strongly Recommended: Psychology 1.

D 31693 Lec MW 12:00 1:15 557 ESTEPA 01/22-05/31 GR 001

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.

D 32067 Lec MW 10:30 11:45 1904 BARDE 01/22-05/31 GR 001

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 31694 Lec Th 7:00 9:50 557 DICKINSON 01/22-05/31 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.

D 31997 Lec MW 1:30 2:45 559 DICKINSON 01/22-05/31 GR 001
D 32312 Lec Tue 6:30 9:20 552 DICKINSON 01/22-05/31 GR 0P1
This is a PACE course. Enrollment priority will be given to PACE students.

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, adaptive and maladaptive behavior and group and individual interaction. Strongly Recommended: English 1A or 52A.

E 31706 Lec Wed 6:30 9:50 506 GRIMM 02/06-05/22 GR EP1
This is a PACE course. Enrollment priority will be given to PACE students.

If PROP 30 fails, classes outlined in red are subject to cancellation.
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 31154 Lec Th 10:00-10:50 552 WILSON 01/22-05/31 OP 001
E 30145 Lec Wed 4:30-6:20 502 PLAZA 01/22-05/31 OP 071
O 31696 By Arr 2.0 Hrs/Wk ONLINE STAFF 01/22-05/31 OP ON1

PSCN 12 SELF-ESTEEM FOR SUCCESS 2.0 Units
D 31225 Lec Wed 10:00-11:50 3924 ACACIO 01/22-05/31 GR 001
Course discusses self-esteem as a core of personality and behavior related to our capacity to learn and grow. In this experientially oriented class, we will be exploring strategies to build your self-esteem and enhance your motivation.

PSCN 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.

O 31645 By Arr 3.0 Hrs/Wk ONLINE HARBIN 01/22-05/31 OP AN1
PSCN 13-AN1 is an online course with no required on-campus meetings.

PSCN 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 30147 Lec MW 10:30-11:20 553 TRIPP 01/22-05/31 OP 001
D 30984 Lec Th 1:00-1:50 558 PLAZA 01/22-05/31 OP 002

PSCN 20 THE COLLEGE EXPERIENCE 2.0 Units
Academic programs, college policies, student rights and responsibilities, graduation and transfer requirements, student services, campus resources and activities. Designed for first time, returning, and re-entry students to ease transition into college and maximize successful matriculation through college towards academic/vocational goals. May not be taken for credit if General Studies 20 has been completed.

D 30213 Lec MW 10:30-11:20 552 ALLEN 01/22-05/31 OP 001
This section (001) is a DSPS section.

PSCN 26 COLLEGE SUCCESS/CHICANO EXPER 1.0 Unit
Investigation of the relationship between Chicano cultural experiences and college success. Emphasis on examination of how Chicano cultural experience can affect collegiate success.
D 32131 Lec Mon 12:00-12:50 861 GENERA 01/22-05/31 OP PU2
D 31512 Lec Wed 12:00-12:50 861 GENERA 01/22-05/31 OP PU2

PSCN 80 OCCUP COMM SERVICE HUMAN SERV 2.0 Units
Community service experience (54-80 hours) in a human services setting approved by Psychology-Counseling faculty as related to student's Human Services major or classes at Chabot. Cooperative effort between student and service site supervisor to accomplish agreed upon work objective and broaden experiences for the term enrolled. Input and volunteer experience discussion focused on building working relationships and providing appropriate services to clients.
D 30985 Lec Wed 12:00-12:50 852 DALE 01/22-05/31 OP 001
Lab By Arr 3.0 Hrs/Wk TBA 01/22-05/31 OP 001
PSCN 80-001 focuses on strengthening human service skills through service learning. Students will work in the community and meet with instructor weekly to support the student's learning and performance on-site. Working independently will be important for success in this class. Open to PSCN Human Service majors and non-majors.

If PROP 30 fails, classes outlined in red are subject to cancellation.
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 31035 Lec Th 1:00 1:50 811 MCLEAN 01/22-05/31 OP 001
Lab By Arr 3.0 Hrs/Wk TBA

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.

D 30120 Lec MW 9:00 10:15 355 LOPEZ YANEZ 01/22-05/31 GR 001
D 30314 Lec TTh 1:30 2:45 355 LOPEZ YANEZ 01/22-05/31 GR 002
D 30471 Lec MW 1:30 2:45 355 LOPEZ YANEZ 01/22-05/31 GR 003

D 30121 Lec TTh 9:00 10:15 355 BARDE 01/22-05/31 GR 004
D 30569 Lec TTh 10:30 11:45 355 LOPEZ YANEZ 01/22-05/31 GR 005
E 31145 Lec Mon 6:30 9:20 355 VIALL 01/22-05/31 GR 071

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 30122 Lec MW 10:30 11:45 355 LOPEZ YANEZ 01/22-05/31 GR 001
E 30123 Lec Wed 6:30 9:20 355 DADDIE 01/22-05/31 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 31271 Lec MW 10:30 11:45 355 LOPEZ YANEZ 01/22-05/31 GR 001
E 31549 Lec Wed 6:30 9:20 355 DADDIE 01/22-05/31 GR 071

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 30770 Lec MW 9:00 10:15 504 MENDOZA 01/22-05/31 OP A01
D 30771 Lec MW 10:30 11:45 504 MENDOZA 01/22-05/31 OP A02
D 31996 Lec MW 7:30 8:45 504 RICHARDSON 01/22-05/31 OP A03
D 31240 Lec TTh 9:00 10:15 504 MENDOZA 01/22-05/31 OP A04
D 30772 Lec MW 12:00 1:15 553 MENDOZA 01/22-05/31 OP CIN
D 30774 Lec Fri 10:00 12:00 504 AHMED 01/25-05/17 OP AE1
E 31241 Lec Mon 6:00 8:50 504 ROBINSON 01/22-05/31 OP A71
E 30775 Lec Tue 6:30 9:20 504 AHMED 01/22-05/31 OP A72
O 30776 By Arr 3.0 Hrs/Wk ONLINE GRANT 01/22-05/31 OP AN1
SOCI 1-AN1 is an online course with no required on-campus meetings.

If Prop 30 fails, classes outlined in red are subject to cancellation.

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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 32301 Lec MTWTh 7:45 8:50 359 ZERMENO 01/22-05/31 OP 001
Lab Th 11:00 11:50 352 OP
O 31560 Lec MW 10:30 12:45 353 MOON 01/22-05/31 OP ON1
By Arr 1.0 Hrs/WK ONLINE OP

SPAN 1B-ON1 is an online course with no on-campus meetings. Students must have an email account Internet access to login to Blackboard by the first day of class, Tuesday, January 22, to read the announcements and see course assignments. To begin, go to http://www.chabotcollege.edu/online. Contact the instructor for more information at cmoon@chabotcollege.edu

D 31554 By Arr 6.0 Hrs/WK ONLINE MOON 01/22-05/31 OP ON2
SPA 1B-ON2 is an online course with no on-campus meetings. Students must have an email account Internet access to login to Blackboard by the first day of class, Tuesday, January 22, to read the announcements and see course assignments. To begin, go to http://www.chabotcollege.edu/online. Contact the 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 31555 Lec MW 9:00 10:50 359 ZERMENO 01/22-05/31 OP 001
Lab Th 11:45 12:35 352 OP

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 31561 Lec TTh 9:00 10:50 359 ZERMENO 01/22-05/31 OP 001
Lab Th 12:40 1:30 352 OP

THEATER ARTS

THTR 11  STAGE TO FILM  3.0 Units
Major plays which subsequently have been made into films. Analysis of each play script augmented by a viewing and analysis of the film adaptation. Major areas of concentration vary from semester to semester.

D 32411 Lec Mon 12:00 2:50 859 HASSAN 01/22-05/31 GR 001

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 30855 Lec Th 10:30 12:20 859 LE PELL 01/22-05/31 OP 001

THTR 20  INTRO TO DESIGN FOR THEATER  3.0 Units
Introduction to the techniques and theories of designing for theatrical productions. Each semester course will focus on some of the major areas of design in theater, i.e., lighting, sets, costumes, sound, make-up. Recommended for non-drama as well as drama majors.

D 31732 Lec Mon 12:00 1:50 1328 AMAYO-HASSA 01/22-05/31 GR 001
Lec Wed 12:00 1:50 1328 GR
Lab Wed 1:00 1:50 TBA GR

THTR 30  EMERGING WORK  3.0 Units
Participation in experimental workshop plays, original student scripts, and other projects, possibly leading to scheduled performances.

D 32412 Lec Th 1:00 2:15 1328 LE PELL 01/22-05/31 GR 001

THTR 47  COLLEGE THEATER ACTING  3.0 Units
Participation in main season production or project. Enrollment is for the duration of the production. By audition only.

D 31219 Daily 3:30 5:00 1328 MULLENNIK 01/22-05/31 OP 001

THTR 48  COLLEGE THEATER TECHNICAL  1.0-6.0 Units
Participate 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 30856 Th 6:00 8:50 1340 HASSAN 01/22-05/31 OP 071
Sat 10:00 1:30 1340

THTR 50  PRODUCTION MANAGEMENT  1.0-6.0 Units
Basic building blocks of producing a show, from the choice of materials to the staging of a play from a broad range of historical periods. Organizing department productions, including student fund-raisers, student original projects, theater week, and the main stage productions. Personnel management, coordinating regular production meetings, reconciling budget considerations, aesthetic demands, and practical matters. The business operations of all the scheduled productions, including promotions and front-of-house duties.

E 30857 Lec By Arr 1.0 Hrs/Wk 1103 LE PELL 01/22-05/31 OP 071
By Arr 3.0 Hrs/Wk TBA

TUTORING

TUTR 1A  TUTORING THEORY AND PRACTICE  0.5 Unit
Training for college tutors to acquire specific skills and techniques for tutoring in academic and vocational subject areas and basic skills. Required course for tutors participating in Chabot College Learning Connection tutoring programs. Corequisite: Tutoring 1B (Content-Area Training for Tutors) or equivalent.

D 31588 Lec Tue 5:05 6:35 355 KUNKEL 01/29-05/14 P/N E01
TUTR 1A-E01 meets on five Fridays (Feb. 1, Feb. 22, Mar. 15, Apr. 12, and May 14) in room 355, from 5:05 - 6:35 p.m.

D 31871 Lec Fri 3:00 4:30 355 KUNKEL 02/01-05/17 P/N E02
TUTR 1A-E02 meets on five Fridays (Feb. 1, Feb. 22, Mar. 15, Apr. 12, and May 17) in room 355, from 3:00 - 4:30 p.m.

If Prop 30 fails, classes outlined in red are subject to cancellation.

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TUTR 1B GENERAL TUTOR TRAINING 0.5 Unit
Training for college tutors to acquire skills and techniques for tutoring in specific content areas. Required course for tutors participating in Chabot College Learning Connection tutoring programs. Corequisite: Tutoring 1A.
D 31589 Lec Fri 1:25 2:55 357 MARTINEZ 02/01-05/17 P/N E01
TUTR 1B-E01 meets on five Fridays (Jan. 27, Feb. 10 Mar. 2, Apr. 6, and May 4) in room 357, from 1:25 - 2:55 p.m.

TUTR 1B MATH TUTOR TRAINING 0.5 Unit
D 31590 Lec Fri 11:55 1:25 1803 GOUVEA 02/01-05/17 P/N E02
TUTR 1B-E02 meets on two Fridays (Feb. 1, Feb. 22, Mar. 15, and Apr. 2 and May 17) in room 1706, from 11:45 - 1:40 p.m.

TUTR 1B CHEMISTRY TUTOR TRAINING 0.5 Unit
D 31591 Lec Tue 1:00 2:30 3924 SAWHNEY 02/05-05/07 P/N E03
TUTR 1B-E03 meets on five Tuesdays (Feb. 5, Mar. 5, Mar. 19, Apr. 16, and May 7) in room 3924, from 1:00 - 2:30 p.m.

TUTR 1B ENGLISH (WRAC) TUTOR TRAINING 0.5 Unit
D 31592 Lec Th 3:00 4:10 504 FOTH 01/31-05/16 P/N E04
TUTR 1B-E04 meets on seven Thursdays (Jan. 31, Feb. 7, Feb. 21, Mar. 7, Mar. 28, Apr. 18, and May 16) in room 504 from 3:00 - 4:10 p.m.

TUTR 1B WORLD LANGUAGES TUTOR TRAINING 0.5 Unit
D 31653 Lec Tue 12:00 12:50 351 BARNEZET PA 02/01-05/07 OP E05
TUTR 1B-E05 meets on nine Tuesdays (Jan. 29, Feb. 5, Feb.19, Feb. 26, Mar. 5, Mar. 19, Apr. 9, Apr. 16, and May 7) in room 351, from 12:00 - 12:50 p.m.

TUTR 1B ESL TUTOR TRAINING 0.5 Unit
D 31870 Lec Fri 1:30 2:45 2351 UCHIYAMA 01/25-05/17 P/N EX1
TUTR 1B-E01 meets on six Fridays (Feb. 1, Feb. 8, Feb. 22, Mar. 8, Apr. 12, and May 10) in room 2351, from 1:30 - 3:00 p.m.

TUTR 31 CHABOTLINK PEER ADVISOR TRNG 1.0 Unit
Skills, techniques, leadership training and information needed by peer advisors to help students gather information and explore practical strategies for academic success. College policies, campus resources, programs and services, student rights and responsibilities, general educational planning (including graduation and transfer requirements), major offerings, public speaking, listening strategies. Required for all peer advisors participating in the ChabotLink Program.
D 31878 Lec Fri 8:30 12:35 751 DALE 02/02-04/19 P/N E01
The training sessions for TUTR 31 are on four Fridays (Feb. 22, Mar. 8, Mar. 22 and Apr. 19) from 8:30-12:35 in room 751. For more information, contact ValJeann Dale at vdale@chabotcollege.edu

TUTR 200 SUPRVD LEARN ASSIST-IND STUDY 0.0 Units
Individualized student tutoring (supplemental learning assistance) provided to students requesting assistance or referred by a counselor or an instructor. Trained tutors and instructors will provide tutoring in basic skills, academic and vocational subject matter areas including mathematics, English, science, social science, humanities and a variety of general education courses vital to the overall success and retention of students.
D 31890 By Arr 2.0 Hrs/Wk TBA KUNKEL 01/22-05/31 OP 001

If PROP 30 fails, classes outlined in red are subject to cancellation.
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 31930 Lab Mon 8:00 11:15 1416 RAVEICA 01/22-05/31 OP 001
Lab Wed 8:00 10:15 1416  
Lab Th 8:00 10:15 1416  
E 31933 Lab Mon 7:00 9:15 1416 JURICH 01/22-05/31 OP 071
Lab Wed 7:00 10:15 1416  
E 31934 Lab Tue 8:00 10:15 1416 PLASENCIA 01/22-05/31 OP 072
Lab Wed 7:00 10:15 1416  
S 31935 Lab Sat 9:00 11:50 1416 RAVEICA 01/22-05/31 OP 082
Lab Sat 1:30 4:20 1416  

WELD 69A  FABRICATION & INSTALL PIPE SYST  3.0 Units
Theory and practical application of pipe joint preparation and design, API (American Petroleum Institute) and AWS (American Welding Society) welding codes specification for pipe and pipe fittings, analysis of joint configuration, plasma and flame cutting of pipes, wire and electrodes selections, pipe welding blue print and welding symbols, SMAW, GMAW, and GTAW of pipe joints, non-destructive and destructive test and qualitative concepts of evaluation.

Prerequisite: Welding Technology 64B or equivalent.

D 32435 Lab Sat 9:00 11:50 1416 RAVEICA 01/22-05/31 GR 082
Lec. Sat 12:00 12:50 1560  
Lab Sat 1:30 2:20 1416  

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 31937 Lec Sat 8:00 8:50 1560 RAVEICA 01/22-05/31 OP 082
Lab Sat 9:00 11:50 1416  

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.

D 31938 Lec Sat 8:00 8:50 1560 RAVEICA 01/22-05/31 OP 082
Lab Sat 9:00 11:50 1416  

WORLD LANGUAGES

WORL 1L  WORLD LANGUAGES LAB  0.5 Unit
World language grammar, pronunciation, conversation. Exploration of cultural components related to the target language. Corequisite: Concurrent enrollment in a World Language course: 1A, 1B, 2A, or 2B.

D 31957 Lab By Arr 1.5 Hrs/Wk 2351 MOON 01/22-05/31 P/N 001
Below is a summarized list of short-term and late-start classes for the Spring 2013 semester. Refer to the class listings (pages 19 through 66) for greater detail. If Prop 30 fails, classes highlighted in red are subject to cancellation.

### SPECIAL SESSION

- **PHED 15P**
  - E04 Sports Conditioning
  - 1/12-6/18
  - 2/12-6/17
  - 2/12-6/18
  - 1/12-6/17
  - 2/12-6/18
  - 1/12-6/17
  - 2/12-6/18
  - 1/12-6/17
  - 2/12-6/18
  - 1/12-6/17
  - 2/12-6/18
  - 1/12-6/17

### JANUARY

- **TUTR 1B**
  - E01 English (WRAC) Tutor Training
  - 1/31-5/16

### FEBRUARY

- **TUTR 1B**
  - E02 Math Tutor Training
  - 2/01-5/17

### MARCH

- **TUTR 31**
  - E01 ChabotLink Peer Advisor Trng
  - 2/22-4/19

### APRIL

- **TUTR 1B**
  - E01 ESL Tutor Training
  - 2/05-5/07

### MAY

- **TUTR 1B**
  - E04 English (WRAC) Tutor Training
  - 1/15-5/16

### SHORT-TERM & LATE-START CLASSES

The page contains a list of short-term and late-start classes for the Spring 2013 semester, including class codes, titles, days, times, and instructors' names. Some courses are highlighted in red, indicating they are subject to cancellation if Prop 30 fails.
## ONLINE CLASSES

Below is a summarized list of online classes for Spring 2013 semester. Refer to the class listings (pages 19 through 66 for greater detail. If Prop 30 fails, classes highlighted in red are subject to cancellation.

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LEARNING COMMUNITIES

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 students who meet the qualifications for enrollment. Students will be required to participate in all course and program activities. Students will simultaneously enroll in English 1A-DAR and African-American History 21. For more information, call 510.723.6747.
*(DARAJA section #’s = DAR, DA#)

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.

PACE: EVENING/SATURDAY/ONLINE DEGREE & TRANSFER 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.
*(PACE section #’s= OP#, EP#, APN, EPN)

SPRING 2013 CLASSES

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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
*(Puente Project section #’s = PU#, PUE)
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. Simply follow the directions on the Talk A Phone for assistance. (Refer to the campus map on page 83 for Emergency Talk A Phone locations.)

EMERGENCY CAMPUS TELEPHONES
These telephones can be found in all of our elevators and buildings. The telephones are marked “Emergency Telephone” and most are contained inside a red or white metal box mounted to the wall. Simply open the box, 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.

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

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 must obtain authorization from their supervisor and must notify the on-duty campus safety officer of their presence. 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 activated 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 2302, Bldg. 2300. 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.

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DEPARTMENT OF SAFETY AND SECURITY
Location: Room 2302 at the southeast corner of the first floor of Bldg. 2300, adjacent to the cafeteria.
Office Hours: 6:30am to 10pm, Monday through Friday,
NON-DISCRIMINACIÓN POLICY & FERPA

NON-DISCRIMINACIÓN 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-disiscrimination requirements in the American with Disabilities Act: Gerald Shimada, Dean, Special Programs & Services, Bldg. 768A, 510-723-6956.

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 officers 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
Dean of Special Programs & Services
Bldg. 768A, 510-723-6956

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 of Human Resources, 925.485.5261.
Asuntos de Estudiantes / Asuntos de Discriminación: Gerald Shimada, Dean, Special Programs & Services, Bldg.700, 510-723-6956.

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 if the student believes that the records are 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: name, address, telephone number, date of birth, major field of study, degrees and awards received and 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 FERPA OFFICIALS
Student Records
Paulette Lino
510.723.2665

Student Discipline
Gerald Shimada
Dean, Special Programs & Services
510.723.6956
ASSOCIATE IN ARTS DEGREE REQUIREMENTS

A student is eligible for graduation with the Associate in Arts Degree after completing all General Education requirements and all major requirements, plus electives (if necessary) to total 60 semester units of work with a cumulative grade point average of 2.0 or better. All classes in the major have to be completed with a “C” or “P.”(Title V §55063)

GENERAL EDUCATION REQUIREMENTS

Area A: LANGUAGE & RATIONALITY
   A.1. English Composition (3 units)
   A.2. Writing & Critical Thinking (3 unit)
   A.3. Communications & Analytical Thinking (3 units)

Area B: NATURAL SCIENCE (3 units)

Area C: HUMANITIES (3 units)

Area D: SOCIAL & BEHAVIORAL SCIENCES (3 units)

Area E: WELLNESS (3 units)
   E.1. Areas of Health (3 units)
   E.2. Physical Education (1 unit)

Area F: AMERICAN INSTITUTIONS (3 units)

AMERICAN CULTURES REQUIREMENT (grade of “C” required)
Course can be counted in appropriate GE area.

MATH PROFICIENCY REQUIREMENT (grade of “C” required).
Math units can be counted in Area A.3.

Math units can be counted in Area A.3.

See below and next page for list of courses to satisfy each area. Except for American Cultures and Math Proficiency, courses may be used in only one area.

AMERICAN CULTURES

The American Cultures requirement is for new and returning students effective Fall 1995 and thereafter. To satisfy this requirement, you must 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. The following Chabot College courses satisfy the American Cultures requirement:

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 8
Psychology-Counseling 1, 4, 13
Sociology 1, 3, 30

See below and next page for list of courses to satisfy each area. Except for American Cultures and Math Proficiency, courses may be used in only one area.

MATH PROFICIENCY

Effective for all students admitted (or retuning) Fall 2009 or thereafter, completed with a grade of “C” or higher. (Title V §55063)

Proficiency in mathematics must be demonstrated by either:
1. Passing the Math Proficiency Test (see Math Division Office, Building 2000 for information) or
2. Mathematics 1, 2, 15, 16, 20, 31, 33, 36, 37, 43, 47, 54, 54L, 55, 55B, 55L, 57

ADDITIONAL GRADUATION REQUIREMENTS

1. All requirements for the major must be met with a grade of “C” or “P” plus electives to total 60 semester units, overall GPA of 2.0 or better is necessary. (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. 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 residency at Chabot College in general education, major and/or elective courses. (See Engineering major for specific residency requirements.)

4. All courses in the major need to have at least a grade of “C” or “P.” There are limitations on the number of “P” units allowed for the degree. (See the college catalog.)

5. All official college transcripts from other colleges must be submitted to the Admissions and Records Office before a graduation evaluation may be completed.

OTHER GRADUATION INFORMATION

Commencement exercises are held in late May or early June. All students receiving degrees during the current academic year are cordially invited to participate.

Students may receive degrees or certificates at the end of any semester or the summer session. Students must petition no later than the fifth instructional week of the semester in which they plan to complete the requirements. The “Request for Course Evaluation for AA/AS Degree or Certificate” form is available at the Admission and Records Office or online.

NOTE: The material in this publication has been prepared from the 2012-14 college catalog. Chabot College, however, does not assume responsibilities for inaccuracies or changes in the information contained herein after the date of publication.
### A. LANGUAGE AND RATIONALITY

**A.1 English Composition**

*Complete a minimum of 3 SEM units*

- English 1A
  - Effective for all students admitted Fall 2009 or thereafter - complete with a grade of "C" or higher (Title V §55063)

**A.2. Writing & Critical Thinking:**

*Complete a minimum of 3 SEM units*

- Business 10
- German 2A*, 2B*
- English 4, 7
- Italian 2A*, 2B*
- French 2A*, 2B*

**A.3. Communication and Analytical Thinking:**

*Complete a minimum of 3 SEM units*

- Business 14, 16, 31
- Chinese 1A*, 1B*
- Communication Studies 1, 2B, 10, 11*, 20, 30, 46
- Computer Application 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
- Mathematics 1, 2, 12, 15, 16, 20, 31, 33, 36, 37, 40, 43, 47, 54, 54L, 55A, 55B, 55L, 57, 65, 65B, 65L
- Psychology 5
- Spanish 1A*, 1B*
- Theater Arts 3, 25*

### B. NATURAL SCIENCE

*Complete a minimum of 3 SEM units* (A lab is not requirement however, underlined courses denote a lab)

- Anatomy 1
- Anthropology 1*, 1L, 13
- Astronomy 10, 20, 30
- Biology 2, 2A, 2B, 2C, 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*
- Microbiology 1
- Physical Education 17
- Physical Science 15
- Physics 2A, 4A, 4B, 4C, 5, 11
- Physiology 1

### C. HUMANITIES

*Complete a minimum of 3 SEM units*

- Architecture 2A, 2B, 4A, 4B, 8A, 8B, 12, 14, 16
- Art 2A, 3A, 16A, 17, 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 11, 12, 13, 20, 21, 22, 24, 25, 26, 28, 30, 32, 31, 33, 38, 45, 48

*(Continued at the top of the next column)*

### C. HUMANITIES (continued)

- 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, 75
- Italian 1A*, 1B*, 2A*, 2B*
- Japanese 1A*, 1B*
- Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 5, 8
- Music (MUSP) 12, 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, 25*, 47, 48, 50

### D. SOCIAL AND BEHAVIORAL SCIENCES

*Complete a minimum of 3 SEM units*

- Administration of Justice 45, 50, 60, 70
- Anthropology 1*, 2, 3, 4, 5, 7, 8, 12
- Business 12, 17, 36, 40, 42
- Communication Studies 11*, 50
- Early Childhood Development 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*, 25*, 27*, 44
- Health 8
- Mass Communications 40, 41
- Political Science 1*, 2, 3, 4, 5, 6, 8, 12, 33, 45
- Psychology 1, 2, 3, 4, 5, 6, 8, 10, 11, 30
- Sociology 1, 2, 3, 4, 5, 6, 8, 10, 11, 30

### E. WELLNESS (E1 & E2)

**E.1. Areas of Health:**

*Complete a minimum of 3 SEM units*  
Choose Option A. or B.

- **A.** Choose one of the following classes.
  - Early Childhood Development 54 or Nutrition 4
  - Physical Education 18, 65

- **B.** AA Degree in Nursing or Dental Hygiene

**E.2. PHYSICAL EDUCATION:**

*Complete a minimum of 1 SEM unit*

- Physical Education (activity) 1, 2, 3, 4, 5, 6, 10, 13, 13R, 14, 30-48, 50, 58
- 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. AMERICAN INSTITUTIONS:

*Complete a minimum of 3 SEM units*

- History 7*, 8*, 12*, 20*, 21*, 22*, 25*, 27*, or Political Science 1*, 12*

To access this form online, please go to: [www.chabotcollege.edu/counseling/articulation.cfm](http://www.chabotcollege.edu/counseling/articulation.cfm)
ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

A student is eligible for graduation with the Associate in Science Degree after completing all General Education requirements and all major requirements, plus electives (if necessary) to total 60 semester units of work with a cumulative grade point average of 2.0 or better. All classes in the major have to be completed with a “C” or “P.” (Title V:55063)

GENERAL EDUCATION REQUIREMENTS

Area A: LANGUAGE & RATIONALITY
   A.1. English Composition (3 units)
   A.2. Communications & Analytical Thinking (3 units)
Area B: NATURAL SCIENCE (3 units)
Area C: HUMANITIES (3 units)
Area D: SOCIAL & BEHAVIORAL SCIENCES (3 units)
Area E: WELLNESS (3 units)
   E.1. Areas of Health (3 units)
   E.2. Physical Education (1 unit)
AMERICAN CULTURES REQUIREMENT (grade of “C” required)
Course can be counted in appropriate GE area.
MATH PROFICIENCY REQUIREMENT (grade of “C” required).
Math units can be counted in Area A.2.

See below and next page for list of courses to satisfy each area.
Except for American Cultures and Math Proficiency, courses may be used in only one area.

AMERICAN CULTURES

The American Cultures requirement is for new and returning students effective Fall 1995 and thereafter. To satisfy this requirement, you must 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. The following Chabot College courses satisfy the American Cultures requirement:

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 8
Psychology-Counseling 1, 4, 13
Sociology 1, 3, 30

Courses taken at Las Positas, even with the same name and number, may not satisfy this requirement. See a counselor for assistance.

MATH PROFICIENCY

Effective for all students admitted (or retuning) Fall 2009 or thereafter, completed with a grade of “C” or higher. (Title V §55063) Proficiency in mathematics must be demonstrated by either:

1. Passing the Math Proficiency Test (see Math Division Office, Building 2000 for information) or
2. Mathematics 1, 2, 15, 16, 20, 31, 33, 36, 37, 43, 47, 54, 54L, 55, 55B, 55L, 57

ADDITIONAL GRADUATION REQUIREMENTS

1. All requirements for the major must be met with a grade of “C” or “P” plus electives to total 60 semester units, overall GPA of 2.0 or better is necessary. (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. 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 residency at Chabot College in general education, major and/or elective courses. (See Engineering major for specific residency requirements.)
4. All courses in the major need to have at least a grade of “C” or “P.” There are limitations on the number of “P” units allowed for the degree. (See the college catalog.)
5. All official college transcripts from other colleges must be submitted to the Admissions and Records Office before a graduation evaluation may be completed.

OTHER GRADUATION INFORMATION

Commencement exercises are held in late May or early June. All students receiving degrees during the current academic year are cordially invited to participate.

Students may receive degrees or certificates at the end of any semester or the summer session. Students must petition no later than the fifth instructional week of the semester in which they plan to complete the requirements. The “Request for Course Evaluation for AA/AS Degree or Certificate” form is available at the Admission and Records Office or online.

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### ASSOCIATE IN SCIENCE DEGREE

**CHABOT COLLEGE – General Education and Graduation Requirements for Associate in Science**

**Effective Fall 2012, Spring 2013, Summer 2013**

<table>
<thead>
<tr>
<th><strong>A. LANGUAGE AND RATIONALITY</strong></th>
<th><strong>CIPN</strong></th>
<th><strong>Need</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A.1 English Composition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete a minimum of 3 SEM units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English 1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effective for all students admitted Fall 2009 or thereafter - complete with a grade of 'C' or higher (Title V §55063)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**A.2. Communication and Analytical Thinking:**

Complete a minimum of 3 SEM units

- Business 14, 16, 31
- Chinese 1A*, 1B*
- Communication Studies 1, 2B, 10, 11*, 20, 30, 46
- Computer Application 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
- Mathematics 1, 2, 12, 15, 16, 20, 31, 33, 36, 37, 40, 43, 47, 54, 54L, 55, 55A, 55B, 55L, 57, 58, 65, 65B, 65L
- Psychology 5
- Spanish 1A*, 1B*
- Theater Arts 3, 25*

**B. NATURAL SCIENCE**

Complete a minimum of 3 SEM units

(A lab is not requirement however, underlined courses denote a lab)

- Anatomy 1
- Anthropology 1*, 1L, 13
- Astronomy 10, 20, 30
- Biology 2A, 2B, 4, 6, 10, 25, 31, 50
- Biotechnology 20, 30, 40
- Chemistry 1A*, 2A, 10, 30A, 30B, 31
- Environmental Science 10, 11, 12
- Geography 1*, 1L, 8, 20*, 21*, 22*
- Microbiology 1
- Physical Education 17
- Physical Science 15
- Physics 2A, 4A, 4B, 4C, 5, 11
- Physiology 1

**C. HUMANITIES**

Complete a minimum of 3 SEM units

- Architecture 2A, 2B, 4A, 4B, 6A, 8B, 12, 14, 16
- Art 2A, 3A, 10, 16A, 17, 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 11, 12, 13, 20, 21, 22, 24, 25, 26, 28, 30, 31, 32, 33, 38, 45, 48

(Continued at the top of the next column)

- 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, 75
- Italian 1A*, 1B*, 2A, 2B
- Japanese 1A*, 1B*
- Music (MUSL) 1, 2A, 2B, 2C, 2D, 3, 4, 5, 8
- Music (MUSP) 12, 14A, 44, 45
- Philosophy 50, 60, 65, 70
- Photography 20, 50, 53A
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<table>
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<tr>
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<th><strong>CIPN</strong></th>
<th><strong>Need</strong></th>
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<tr>
<td><strong>Complete a minimum of 3 SEM units</strong></td>
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- Economics 1, 2, 5, 10, 12
- Entrepreneurship 1
- Ethnic Studies 1, 2, 3
- Geography 1*, 2*, 3, 4, 5, 10, 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, 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 SEM unit

Choose one of the following classes

- Early Childhood Development 54 or Health 1, 4 or Nutrition 1 or Physical Education 18 or 65 or

- Physical Education (activity) 1, 2, 3, 4, 5, 6, 10, 13, 13R, 14, 30-48, 50, 62

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 GENERAL EDUCATION REQUIREMENT**

Complete a minimum of 3 SEM units

For course requirements see specific major listed in the 2011-12 Chabot College catalog

*G.E. Specific Course _______________________

[To access this form online, please go to: www.chabotcollege.edu/counseling/articulation.cfm]
CSU GE BREADTH REQUIREMENTS

EFFECTIVE FALL 2012, SPRING 2013, SUMMER 2013

COMPLETING CSU GENERAL EDUCATION-BREADTH (CSU/GEB)

Chabot College students have the opportunity to complete all of their lower division CSU/GE requirements for the BA/BS Degree prior to transferring to any of the 23 California State Universities. By following the pattern of General Education (GE) requirements on the next page, students will be eligible for “Certification of General Education Breadth Requirements.”

TWO TYPES OF CSU GE CERTIFICATION

FULL CSU/GE CERTIFICATION

The student is eligible for full CSU/GE certification when they have completed the required number of units and courses in each GE Area, A-E and U.S. History, Constitution and American Ideals.* This student will not have to complete additional lower division GE requirements that may be required at that CSU school. This student will be responsible for additional upper division units, typically 9 semester (12 quarter) units, in GE, after transfer.

* Area F: U.S. History, Constitution and American Ideals is not a part of CSU/GE Certification, however the courses that comprise this requirement can be counted in the Area D “Human Social, Political and Economic Institutions and Behavior.”

PARTIAL CSU/GE CERTIFICATION

Partial CSU/GE Certification is granted when one or more GE Areas have been completed. A student who transfers to a CSU with partial GE Certification will not have to complete additional GE requirements in that same GE area upon transfer. They may have to complete additional lower division GE requirements in other GE areas that were not certified, plus additional units of upper division GE, typically 9 semester (12 quarter) units.

TRANSFER AS A JUNIOR

To transfer as a junior (upper division transfer) to a CSU, you must:
1. Complete Areas A1, A2, A3 and B4 with a grade of “C” or “P” or better. (See next page.)
2. Complete an additional 18 units from CSU/GE areas A-E, (including the units from above) for a total of 30 GE units.
3. All courses would need to have a grade “C” or “P” or better.
4. Complete an overall total of 60 semester (90 quarter) CSU transferable units with a cumulative GPA of 2.0 (“C”).
5. See the CSU Transferable Course list (an alphabetical listing of CSU Transferable courses from Chabot).
6. Individual CSUs may have different GPA requirements for transfer and admissions into specific programs.
7. See a Counselor if you have questions.
8. Students completing CSU/GE as part of the “Associate Degree for Transfer” are required to complete Areas A-E.
9. Completing American Institutions is not a requirement for the “Associate Degrees for Transfer”.

ADDITIONAL CERTIFICATION REQUIREMENTS

1. No more than 39 semester (58.5 quarter) units may be certified for the CSU GE Breadth Requirements.
2. No more than 30 semester (45 quarter) units may be certified in Areas B through D combined.
3. Upon transfer, the student may be expected to complete a minimum of 9 semester units (upper division) of General Education Breadth Requirements at the CSU granting the baccalaureate degree and other specific graduation requirements of the transfer school.

FULL CSU / GE CERTIFICATION

<table>
<thead>
<tr>
<th>GE AREA</th>
<th>AT CHABOT COLLEGE</th>
<th>AT TRANSFER INSTITUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area A: Language and Communication</td>
<td>9 lower division semester units</td>
<td>3 upper division semester units</td>
</tr>
<tr>
<td>Area B: Natural Science and Math</td>
<td>9 lower division semester units</td>
<td>3 upper division semester units</td>
</tr>
<tr>
<td>Area C: Arts/Humanities</td>
<td>9 lower division semester units</td>
<td>3 upper division semester units</td>
</tr>
<tr>
<td>Area D: Social Science</td>
<td>9 lower division semester units</td>
<td>3 upper division semester units</td>
</tr>
<tr>
<td>Area E: Self Development</td>
<td>3 lower division semester units</td>
<td>3 upper division semester units</td>
</tr>
<tr>
<td>Area F: American Institutions</td>
<td>6-8 lower division units*</td>
<td>3 upper division semester units</td>
</tr>
</tbody>
</table>

Certification of GE Breadth Requirement does not happen automatically; you must request CSU/GE certification at the time that you request your final transcript to be sent to the CSU school of your choice. File your request with the Admissions and Records Office.

NOTE: The material in this publication has been prepared from CSU/GE handouts as carefully as possible. Chabot College does not assume responsibility for inaccuracies or changes in the information contained herein after the date of publication.
**CSU GE BREADTH REQUIREMENTS**

**CHABOT COLLEGE**

Effective Fall 2012, Spring 2013, Summer 2013

*Courses (A-E) may be listed in more than one area, but shall not be counted in more than one area. Exception: courses taken in Area F can be used in Area D*

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### [A.] ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING

Select at least one course from each group. (9 sem. units)

**A1** Communication Studies 1, 20, 30

**A2** English 1A

**A3** Communication Studies 46, English 4, English 7, History 5, Math 12

Courses for A1, A2, A3 must have a grade of "C" or better

---

### [B.] SCIENTIFIC INQUIRY AND QUANTATIVE REASONING

Select at least one course from Group B1, B2, and B4. At least one course must include a laboratory B3. Underlined laboratory courses. Some labs are separate classes. (9 sem. units)

**B1** - Physical Sciences
- Astronomy 10, 20, 30
- Biotechnology 20
- Chemistry 1A, 1B, 5, 8, 10, 12A, 12B, 30A, 30B, 31
- Geology 1, 1F, 3F
- Physics 15
- 2A, 2B, 2A, 2B, 5

**B2** - Life Science
- Anatomy 1
- Anthropology 1*, 1L, 13
- Biology 2, 2A, 2B, 6, 10, 15, 31, 50
- Environmental Science 10, 11
- Microbiology 1
- Physiology 1

**B3** - Lab Science Requirement (B3)

Any underlined number satisfies this requirement.

**B4** - Mathematics (Must have grade of "C" or better)
- Mathematics 1, 2, 3, 4, 6, 8, 15, 16, 20, 31, 33, 36, 37, 40, 43

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### [C.] ARTS AND HUMANITIES:

Select at least one or two courses from each of the two discipline areas C1 and C2. (9 sem. units)

**C1** - Arts (Art, Dance, Music, Theatre)
- Architecture 14
- Art History 1, 4, 5, 6, 7, 20, 51
- Film 50, 60
- Music (MUSL) 1, 3, 4, 5, 8
- Photography 20
- Theater Arts 1, 5, 7, 10, 11, 12, 16, 40

**C2** - Humanities (Literature, Philosophy, Foreign Languages)
- Chinese 1A, 1B
- Communication Studies 2A, 5, 6
- English 11, 12, 13, 20, 21*, 22*, 24, 25, 26, 28, 30, 32, 38, 48
- French 1A, 1B, 2A, 2B
- General Studies 31*
- German 1A, 1B, 2A, 2B
- History 1*, 2*, 3*, 4*
- Humanities 50, 60, 65, 68, 72, 75
- Italian 1A, 1B, 2A, 2B
- Japanese 1A, 1B
- Philosophy 50, 60, 65, 70
- Religious Studies 50, 84, 65, 70, 72
- Sign Language 64, 65
- Spanish 1A, 1B, 2A, 2B, 5

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### [D.] SOCIAL SCIENCES:

Select courses from at least two different disciplines, D1 through D0. (9 sem. units)

**D1** - Anthropology & Archaeology
- Anthropology 1*, 2, 3, 4, 5*, 7, 8, 12

**D2** - Economics
- Economics 1, 2, 5, 10, 12

**D3** - Ethnic Studies
- Anthropology 5*
- English 21*, 22*
- Ethnic Studies 1, 2, 3
- History 19*, 20*, 21*, 22*, 25*
- Psychology - Counseling 4
- Sociology 10

**D4** - Gender Studies
- English 33
- General Studies 31*
- History 27*
- Sociology 6*

**D5** - Geography
- Geography 2, 3, 5, 10, 12, 20

**D6** - History
- History 1*, 2*, 3, 4, 7, 8, 12, 19*, 20*, 21*, 22, 25*, 27*, 44

**D7** - Interdisciplinary Social or Behavioral Science
- Business 17, 36
- Communication Studies 11, 50
- Computer Application Systems 50
- Early Childhood Development 52, 56, 62, 67
- Geography 10
- Mass Communication 40, 41
- Psychology - Counseling 1, 13

**D8** - Political Science, Government, and Legal Institutions
- Administration of Justice 45, 80
- Political Science 1, 12, 20, 25, 30, 45

**D9** - Psychology
- Psychology 1, 2, 3, 6, 12*, 33

**D0** - Sociology and Criminology
- Administration of Justice 50
- Sociology 1, 2, 3*, 4, 5, 6*, 30*

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### [E.] LIFELONG LEARNING AND SELF DEVELOPMENT

<table>
<thead>
<tr>
<th>Courses</th>
<th>3 sem. units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Studies 10</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Development 54, 56</td>
<td></td>
</tr>
<tr>
<td>Environmental Science 12</td>
<td></td>
</tr>
<tr>
<td>Health 1, 4, 8, 16</td>
<td></td>
</tr>
<tr>
<td>Nutrition 1, 6, 8</td>
<td></td>
</tr>
<tr>
<td>Physical Education Activity 1, 2, 3, 5, 13, 13R, 14, 25, 26, 27, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 48, 50 (limit 2 sem. units of all activity classes)</td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: AREA E. waived and 3 units granted for students with a DD-214*

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### [F.] CSU graduation requires completion of US History, Constitution and American Ideals Requirement.

One of the following combinations will satisfy this requirement:

**Group 1:** History 7 and
One class from the following:
- History 8, 12, 21, 22, 25, or 27
- Political Science 1

**Group 2:** Political Science 1 and
One class from the following:
- History 7, 8, 20, 21, 22, 25, or 27

Total 6 sem. units.

**NOTE:** POSC 12 is coded as US-3 and can be applied as necessary with a US-1 and US-2 to complete this requirement.

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To access this form online, please go to: [www.chabotcollege.edu/counseling/articulation.cfm](http://www.chabotcollege.edu/counseling/articulation.cfm)
INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a general education pattern of courses which community college transfer students can use to fulfill lower-division general education requirements for either the CSU or UC systems, without the need, after transfer, to take additional lower-division general education courses.

The IGETC is not a part of the admissions requirements for CSU or UC; however, full completion of IGETC can be used as a selection criteria for specific programs and majors. We advise you to complete the entire IGETC pattern by end of the Spring term of the year you plan to transfer.

For information about the courses required for lower division major preparation use ASSIST (www.assist.org).

The IGETC is not advisable for all transfer students. While all CSU’s accept IGETC, some colleges within the UC system do not. Students who intend to transfer into high unit majors, such as engineering, business or some pre-professional programs, should concentrate on completing the prerequisites for the major that the college screens to determine eligibility.

The IGETC will probably be most useful for those students wishing to keep their options open before making a final decision about transferring to a particular UC or CSU campus.

It is strongly recommended that students consult with a counselor to determine which general education pattern is best for their transfer goals.

Using IGETC to complete lower division general education requirements is a great way to save time and money in terms of completing GE graduation requirements at UC or CSU. It may be just right for you. It is very important, however, that you consult with a counselor in developing your IGETC educational plan. While every assurance is taken in providing up-to-the-minute accurate written information, our counselors are your best resource. Please make an appointment today to discuss what IGETC can do for you.

GUIDELINES USING THE IGETC

1. Most students who use IGETC will complete all sections which will qualify them for full certification of the appropriate UC or CSU options. Partial certification is defined as completing all but two (2) courses on the IGETC pattern. The student petitions for certification and either the complete or partial certification is sent by Chabot to the designated CSU or UC where the student is planning on attending. If the student is partially IGETC certified, the CSU or UC will inform the student what classes they need to complete and what the completion deadline is for that campus. Please note: IGETC Areas 1 and 2 need to be completed to meet minimum UC or CSU admissions requirements.

2. All IGETC courses must be completed with a grade of “C” or “P” or better.

3. CSU transfers are required to complete the Oral Communications (AREA 1. Group 1C) requirement. It is recommended they also complete the U.S. History, Constitution and American Ideals (AI) requirement even though it is not part of IGETC Certification nor required for admissions to CSU. Courses used to meet this requirement may also be used to satisfy IGETC Subject Area requirements, however, CSU campuses do have the discretion whether to allow courses to satisfy the CSU U.S. History, Constitutions and American Ideals (AI) graduation requirement to count in both 4F and to meet the AI graduation requirement.

4. UC transfers need to complete the Foreign Language requirement. If you completed this requirement in high school or at another college, you will need to send Chabot College an official high school (or college) transcript. UC transfers are not required to complete the Oral Communications (Area A, Group C) or U.S. History, Constitution or American Ideals requirements.

5. Courses taken at other 4-year institutions, except for foreign institutions, can be used to certify IGETC. Students should be aware, however, that placement of courses within IGETC subject areas may vary from college to college. Placement of a course will be based on the college of attendance and its IGETC pattern at the time the course was taken. (See a counselor for assistance.)

6. Students who initially enroll at a UC campus, then leave and attend a community college, and subsequently return to the same UC campus are considered “readmits” and as such may not use IGETC. However if the student attends a different UC, then the use of IGETC is allowed. CSU does not have a system-wide policy that addresses this issue. See a counselor if you have questions about this notation.

Certification of IGETC does not happen automatically; you must request IGETC certification at the time that you request your final transcript to be sent to the CSU OR UC school is made. In most cases IGETC Certification is completed by the last community college attended. File your request with the Admissions and Records Office.

NOTE: The IGETC pattern on the next page applies to courses completed in Fall, 2012, Spring, 2013 and Summer, 2013. If you completed courses prior to these semesters, please consult the IGETC pattern for the year you completed the course. Consult with a counselor for clarification. Chabot College does not assume responsibility for inaccuracies or changes in the information contained herein after the date of publication.
**IGETC - Effective Fall 2012, Spring 2013, Summer 2013**

(* A course may be listed in more than one area, but shall not be certified in more than one area. (+) Transfer credit may be limited by UC or CSU or both. C=Completed IP=In Progress N=Needs to Complete

### AREA 1 - ENGLISH COMMUNICATION
CSU certification requires 3 courses - one from each group below (Group A, B, and C). UC certification requires 2 courses - one from Group A and one from Group B.

<table>
<thead>
<tr>
<th>Group 1A: English Composition</th>
<th>Group 1B: Critical Thinking</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1 course, 3 sem. units)</td>
<td>(1 course, 3 sem. units)</td>
</tr>
<tr>
<td>English 1A</td>
<td>English 4 or English 7</td>
</tr>
</tbody>
</table>

**Group 1C: Oral Communication (CSU Only)**
(1 course, 3 sem. units)

| Communication Studies 1, 20 or 46 |

### AREA 2A - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING
(1 course, 3 sem. units)

| Math 1, 2, 3, 4, 6, 8, 15, 16, 20*, 31, 33, 40, 43 |

### AREA 3 - ARTS AND HUMANITIES
(At least 3 courses, 9 sem. units). At least one course must be from the ARTS area and one course must be from the HUMANITIES area.

<table>
<thead>
<tr>
<th>3A ARTS:</th>
<th>3B HUMANITIES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History 1, 4, 5, 6, 7, 20</td>
<td>English 20, 21, 22, 24, 25, 26, 28, 30, 32, 33, 38, 45, 48</td>
</tr>
<tr>
<td>Music (MUSL) 1, 3, 4, 5, 8</td>
<td>Humanities 60, 68, 75</td>
</tr>
<tr>
<td>Photography 20</td>
<td>Italian 2A, 2B</td>
</tr>
<tr>
<td>Theater Arts 10, 11, 12</td>
<td>French 2A, 2B</td>
</tr>
</tbody>
</table>

### AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES:
(At least 3 courses, 9 sem. units). Courses MUST be completed from at least TWO disciplines or from an Interdisciplinary Sequence.

<table>
<thead>
<tr>
<th>4A Anthropology</th>
<th>4B Economics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 1*, 2, 3, 4, 5, 7, 8, 12</td>
<td>Economics 1, 2, 3, 4, 5*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4C Ethnic Studies</th>
<th>4D Psychology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethnic Studies 1, 2, 3</td>
<td>Psychology 1, 2, 3, 6, 12, 33</td>
</tr>
<tr>
<td>Psychology-Counseling 4</td>
<td>Psychology-Counseling 13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4E Geography</th>
<th>4F History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography 2, 3, 5, 12</td>
<td>History 1*, 2*, 3*, 4*, 7, 8, 12, 19, 20, 21, 22, 25, 27*</td>
</tr>
</tbody>
</table>

### AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES
(At least 2 courses, 7-9 sem. units) One course Physical Science and One course Biological Sciences. A lab must be included in either selection. (Underlined classes contain a lab. Some labs are offered as a separate class.

<table>
<thead>
<tr>
<th>5A PHYSICAL SCIENCE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy 10*, 20*, 30</td>
</tr>
<tr>
<td>Biotechnology 20</td>
</tr>
<tr>
<td>Chemistry 1A*, 1B*, 5, 8, 10*, 12A, 12B, 30A*, 30B*, 31</td>
</tr>
<tr>
<td>Geography 1, 8, 1L</td>
</tr>
<tr>
<td>Physical Science 1B</td>
</tr>
<tr>
<td>Physics 2A*, 2B*, 4A*, 4B*, 4C*, 5, 11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5B BIOLOGICAL SCIENCES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1</td>
</tr>
<tr>
<td>Anthropology 1*, 1L, 13</td>
</tr>
<tr>
<td>Biology 2A, 2B, 4, 6, 10*, 25, 31*, 50</td>
</tr>
<tr>
<td>Environmental Science 10*, 11*</td>
</tr>
<tr>
<td>Microbiology 1</td>
</tr>
<tr>
<td>Physiology 1</td>
</tr>
</tbody>
</table>

### LANGUAGE OTHER THAN ENGLISH (UC ONLY Requirement):
Proficiency equivalent to two years of high school study in the same language. This requirement can be satisfied by: (1) Proficiency equivalent to two years of high school study in the same language completed with a “C” or better, (2) earning a 3 or higher on the Foreign Language Advanced Placement Test, (3) earning a score of 500 or better on the College Board Achievement Test or (4) as a native speaker of a language other than English, demonstration of foreign language proficiency, (5) or complete one of the following courses:

- Chinese 1B
- French 1B
- German 1B
- Italian 1B
- Japanese 1B
- Spanish 1B or American Sign Language 65

(Other languages may apply, see a counselor)

### CSU GRADUATION REQUIREMENT - U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS
While this 6 unit requirement is not part of IGETC Certification, it is recommended that students transferring to the CSU system complete the two courses. Courses used for this requirement MAY be used to satisfy AREA 4 requirements...

### Total 6 sem. units.

One of the following combinations will satisfy this requirement.

**Group 1:** History 7 and

- One class from:
  - History 8, 12, 21, 22, 25, 27 or
  - Political Science 1

**Group 2:** Political Science 1 and

- One class from:
  - History 7, 8, 20, 21, 22, 25, 27

(Note: POSC 12 is coded as US-3 and can be applied as necessary with a US-1 and US-2 to complete this requirement)

The material in this publication has been prepared from IGETC handouts as carefully as possible. See www.ASSIST.org for additional information.

To access this form online, please go to: www.chabotcollege.edu/counseling/articulation.cfm
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, MTThF, MT, MTh, MF, WF, M only, W only, & Daily classes

GROUP II: TTh classes; also TThF, TW, TWTth, TF, ThF, WTh, MTTh, TWTTh, and T only classes

GROUP III: Classes scheduled “by arrangement” and Th only and F only classes

<table>
<thead>
<tr>
<th>EXAMINATION TIME</th>
<th>FRIDAY MAY 24</th>
<th>TUESDAY MAY 28</th>
<th>WEDNESDAY MAY 29</th>
<th>THURSDAY MAY 30</th>
<th>FRIDAY MAY 31</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30-9:20 am</td>
<td>GROUP I – 7, 7:30 7:45, 7:50 am classes</td>
<td>GROUP II – 7, 7:30, 7:45 am classes</td>
<td>GROUP II – 9, 9:30, 9:45 am classes</td>
<td>Group I 8, 8:30 am classes</td>
<td>Group III – 7:30, 7:45 am classes</td>
</tr>
<tr>
<td>8:00-9:50 am</td>
<td>Group I 8, 8:30 am classes</td>
<td>Group II 8, 8:30 am classes</td>
<td>Group I 9, 9:30, 9:45 am classes</td>
<td>Group II 10, 10:30 am classes</td>
<td>Group III 9, 9:45, 10, 10:45 am classes</td>
</tr>
<tr>
<td>10:00-11:50 am</td>
<td>GROUP I – 10, 10:30, 10:40 am classes</td>
<td>Group I 10, 11, 11:30 am classes</td>
<td>Group I 11, 11:30 am classes</td>
<td>Group II 10, 10:30 am classes</td>
<td>Group III 10, 10:45 am classes</td>
</tr>
<tr>
<td>12:00-1:50 pm</td>
<td>GROUP I – 1, 1:15, 1:30, 1:45 pm classes</td>
<td>GROUP I – 1, 1:15, 1:30 pm classes</td>
<td>Group I 12, 12:30, 12:45 pm classes</td>
<td>Group I 12, 12:30, 12:45 pm classes</td>
<td>Group III 11, 11:30 am, 12 pm classes</td>
</tr>
<tr>
<td>2:00-3:50 pm</td>
<td>Group I 2, 2:30 pm classes</td>
<td>Group I 2, 2:30 pm classes</td>
<td>Group I 3, 3:30 pm classes</td>
<td>Group II 3, 3:30 pm classes</td>
<td>Group III 2, 3, 4 pm classes</td>
</tr>
</tbody>
</table>

(Common block times in **BLUE**.)

### LATE AFTERNOON, EVENING and SATURDAY CLASSES

<table>
<thead>
<tr>
<th>SCHEDULED CLASS MEETING DAYS</th>
<th>SATURDAY MAY 18</th>
<th>MONDAY MAY 20</th>
<th>TUESDAY MAY 28</th>
<th>WEDNESDAY MAY 29</th>
<th>THURSDAY MAY 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday only classes</td>
<td>Final Exam Day*</td>
<td></td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
</tr>
<tr>
<td>Tues. only &amp; Tues/Thurs classes</td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
</tr>
<tr>
<td>Mon/Wed &amp; Wed. only classes</td>
<td></td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday only classes</td>
<td></td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday only classes</td>
<td>Final Exam Day*</td>
<td></td>
<td></td>
<td>Final Exam Day*</td>
<td></td>
</tr>
</tbody>
</table>

* Meet at the REGULAR MEETING ROOMS AND TIMES. Final examinations should be scheduled for TWO HOURS.