



Fall 2020 Course Offerings:

ERC General Education (GE) Requirements

<https://roosevelt.ucsd.edu/academics/gen-ed/index.html>

*Be sure that you do not repeat a course you already have credit for! *

- All ERC Transfer students must take MMW 121 (letter grade only).
- Review the **Transfer Agreements and GEs** page on the New Triton Advising page in the Virtual Advising Center (VAC) at <http://vac.ucsd.edu> for more GE information.

For questions regarding Fall 2020 course offerings, see the [UC San Diego Fall 2020 Schedule of Classes FAQs](#).
Visit [UC San Diego's Coronavirus Portal](#) for the latest information for the campus community.

FINE ARTS (COURSE MUST BE AT LEAST 4-UNITS):

Fine Arts Lower Division Courses:

Music

MUS 1A. Fundamentals of Music A (4)

This course, first in a three-quarter sequence, is primarily intended for students without previous musical experience. It introduces music notation and basic music theory topics such as intervals, scales, keys, and chords, as well as basic rhythm skills. **Prerequisites:** none.

MUS 2A. Basic Musicianship (4)

Primarily intended for music majors. Development of basic skills: perception and notation of pitch and temporal relationships. Introduction to functional harmony. Studies in melodic writing. Drills in sight singing, rhythmic reading, and dictation. **Prerequisites:** passing score on proficiency exam. Must be taken in sequence. Music majors must be concurrently enrolled in MUS 2AK, 2BK, and 2CK (Basic Keyboard). **MUS 2AK. Basic Keyboard (2):** Scales, chords, harmonic progressions, transposition, and simple pieces. **Prerequisites:** concurrent enrollment in MUS 2A, B, C.

MUS 4. Introduction to Western Music (4)

A brief survey of the history of Western music from the Middle Ages to the present. Much attention will be paid to the direct experience of listening to music and attendance of concerts. Class consists of lectures, listening labs, and live performances. **Prerequisites:** none.

MUS 5. Sound in Time (4)

An examination and exploration of the art and science of music making. Topics include acoustics, improvisation, composition, and electronic and popular forms. There will be required listening, reading, and creative assignments. No previous musical background required. **Prerequisites:** none.

MUS 6. Electronic Music (4)

Lectures and listening sessions devoted to the most significant works of music realized through the use of computers and other electronic devices from the middle of this century through the present. **Prerequisites:** none

MUS 7. Music, Science, and Computers (4)

Exploration of the interactions among music, science, and technology, including the history and current development of science and technology from the perspective of music. **Prerequisites:** none.

MUS 8. American Music: Jazz Cultures(4)

Jazz is one of the primary foundations for American music in the twentieth and twenty-first centuries. This course highlights the multicultural and international scope of jazz by taking a thematic rather than a chronological approach to the subject, and by highlighting the music and lives of a diverse array of jazz practitioners from around the country and around the world. Students may not receive credit for both MUS 8 and MUS 8GS. **Prerequisites:** none.

MUS 9. Symphony (4)

The symphonic masterworks course will consist of lectures and listening sessions devoted to a detailed discussion of a small number of recognized masterworks (e.g., Mozart, Beethoven, Berlioz, Stravinsky, Ligeti, etc.). **Prerequisites:** none.

MUS 13. Worlds of Music (4)

Through surveying selected musical traditions and practices from around the world, this course explores the ways in which music both reflects and affects social, cultural, and ecological relationships. Specific case studies will be covered through lectures, films, and listening sessions. **Prerequisites:** none.

MUS 15. Popular Music (4)

A course on popular music from different time periods, covered through lectures, films, and listening sessions. May be repeated once for credit. **Prerequisites:** none.

MUS 17. Hip-Hop (4)

This class presents a broad chronological overview of the development of hip-hop as a musical form from the late 1970s through today. It examines the development of the style in relation to direct context and to earlier African-American musical and cultural forms, and considers the technological and legal issues that have impacted its development. **Prerequisites:** none.

Mus 19. Blacktronika: Afrofuturism (4)

The course you have selected does not have a published description or has had a substantial change to the course title and/or course description since the publication of the [General Catalog](#). Please contact the [department](#) offering this course for the complete course description.

MUS 33A. Introduction to Composition I (4)

First course in a sequence for music majors and nonmajors pursuing an emphasis in composition. The course examines "sound" itself and various ways of building sounds into musical structures and develops skills in music notation. Students compose solo pieces in shorter forms. Students may not receive credit for both MUS 33 and 33A. **Prerequisites:** MUS 2C or consent of instructor.

Theatre and Dance

TDAC 1. Introduction to Acting (4)

A beginning course in the fundamentals of acting: establishing a working vocabulary and acquiring the basic skills of the acting process. Through exercises, compositions, and improvisations, the student actor explores the imagination as the actor's primary resource, and the basic approach to text through action. **Prerequisites:** none.

TDDE 1. Introduction to Design for the Theatre (4)

A survey of contemporary and historical concepts and practices in the visual arts of the theatre; studies in text analysis, studio processes and technical production; elementary work in design criticism, scale model making, and costume design. A course serving as an introduction to theatre design and production.

TDDM 1. Introduction to Dance Making (4)

Explores the concepts and processes of dance making through creative projects, discussions, and the examination of major dance works. Recommended preparation: No prior dance experience required. Open to all levels.

Prerequisites: none.

TDDM 5. Site Specific Dance and Performance (4)

The study of dance and performance creation in relation to the environment, political activism, happenings, and ritual. Students explore ideas within the unique attributes of architecture, natural landscapes, public spaces, visual art, historic landmarks, and cultural contexts. Recommended preparation: No prior dance experience needed. Open to all levels. **Prerequisites:** none.

TDGE 1. Introduction to Theatre (4)

An introduction to fundamental concepts in drama and performance. Students will attend performances and learn about how the theatre functions as an art and as an industry in today's world. **Prerequisites:** none.

TDGE 5. A Glimpse into Acting (4)

An introductory course on acting fundamentals for students without an acting background. Through analysis of acting on film, students will explore the actor's craft and practice these skills in studio exercises to better understand how an actor approaches a text. **Prerequisites:** none.

TDGE 10. Theatre and Film (4)

Theatre and Film analyzes the essential differences between theatrical and cinematic approaches to drama. Through selected play/film combinations, the course looks at how the director uses actors and the visual languages of the stage and screen to guide and stimulate the audience's responses. **Prerequisites:** none.

TDGE 11. Great Performances on Film (4)

Course examines major accomplishments in screen acting from the work of actors in films or in film genres. May be taken for credit three times. **Prerequisites:** none.

TDGE 25. Public Speaking (4)

This course is designed to establish a clear understanding of the fundamentals of effective oral communication. The methodologies explore the integration of relaxation, concentration, organization, and clear voice and diction as applied to various public speaking modes. **Prerequisites:** none.

TDHT 10. Introduction to Play Analysis (4)

An introduction to the fundamental techniques of analyzing dramatic texts. Focus is on the student's ability to describe textual elements and their relationships to each other as well as on strategies for writing critically about drama. **Prerequisites:** none.

TDHT 21. Ancient and Medieval Theatre (4)

Ancient and medieval theatre. Explores the roots of contemporary theatre in world performance traditions of ancient history with a focus on humans' gravitation toward ritual and play. Examples come from Egypt, Greece, Rome, Mesoamerica, Japan, China, India, Indonesia, Persia, and England. **Prerequisites:** none.

TDMV 2. Beginning Contemporary Dance (2-4)

Introduction to contemporary somatic approaches to dance, building fundamental technical skills, kinetic and perceptual awareness, efficiency, and artistic expression. Choreographic sequences are analyzed through time space coordination and dynamics. Movement exploration includes improvisation and composition. May be taken for credit six times. **Prerequisites:** none. ****Must be taken for 4-units to complete the Fine Arts GE.**

Fine Arts Upper Division Courses:**Music****MUS 101A. Music Theory and Practice I (4)**

Study of modal counterpart in the style of the sixteenth century. Two-voice species counterpoint studies. Analysis of music of the period. Musicianship studies: sight-singing, dictation, and keyboard skills. **Prerequisites:** MUS 2C and 2CK.

MUS 103A. Seminar in Composition I (4)

First part in composition course sequence. Individual projects will be reviewed in seminar. Techniques of instrumentation will be developed through examination of scores and creative application. Assignments will include short exercises and analysis, and final project for standard ensemble. **Prerequisites:** MUS 33C.

MUS 103D. Honors Seminar in Composition (4)

Advanced individual projects for senior music majors pursuing honors in composition. Projects will be critically reviewed in seminar with fellow students and faculty composers. **Prerequisites:** MUS 103A-B-C and admission into the Department of Music Honors Program in composition. Department stamp required.

MUS 111. Topics/World Music Traditions (4)

A study of regional music in their repertory, cultural context, and interaction with other traditions. Topics vary. May be taken for credit up to three times. **Prerequisites:** none.

MUS 114. Music of the Twentieth Century (4)

An exploration of materials and methods used in the music of our time. There will be an extra discussion group for music majors. May be repeated once for credit. **Prerequisites:** none.

MUS 120A. History of Music in Western Culture I (4)

First part of intensive historical, analytical, and cultural-aesthetic examination of music in Western culture from the ninth through the twenty-first centuries. Considers both sacred and secular repertoires, from Gregorian chant through early opera, c. 800–1600. **Prerequisites:** MUS 1C or 2C or passing grade on proficiency exam. Music majors should be enrolled concurrently in MUS 101A. Department stamp required for nonmajors.

MUS 126. Blues: An Oral Tradition (4)

This course will examine the development of the Blues from its roots in work-songs and the minstrel show to its flowering in the Mississippi Delta to the development of Urban Blues and the close relationship of the Blues with Jazz, Rhythm and Blues, and Rock and Roll. (Cross-listed with ETHN 178.) **Prerequisites:** none.

MUS 130. Chamber Music Performance (2–4/0)

Instruction in the preparation of small group performances of representative instrumental and vocal chamber music literature. May be taken for credit six times, after which students must enroll for zero units. **Prerequisites:** consent of instructor through audition.

****Must be taken for 4-units to complete the Fine Arts GE.**

MUS 132. Proseminar in Music Performance (4)

Individual or master class instruction in advanced instrumental performance. For declared music majors and minors. Students must be simultaneously enrolled in a performance ensemble or nonperformance music course. May be taken six times for credit. **Prerequisites:** audition and department stamp.

MUS 132R. Recital Preparation (4)

Advanced instrumental/vocal preparation for senior music majors pursuing honors in performance. Repertoire for a solo recital will be developed under the direction of the appropriate instrumental/vocal faculty member. Special audition required during Welcome Week preceding fall quarter. **Prerequisites:** by audition only; MUS 132. Department stamp required.

MUS 132V. Proseminar in Vocal Instruction (4)

Individual instruction in advanced vocal performance. For declared music majors and minors. Students must be simultaneously enrolled in a performance ensemble or nonperformance music course and in the Vocal Master Class, MUS 32VM. May be taken six times for credit. **Prerequisites:** audition and department stamp.

MUS 134. Symphonic Orchestra (4)

Repertoire is drawn from the classic symphonic literature of the eighteenth, nineteenth, and twentieth centuries with a strong emphasis on recently composed and new music. Distinguished soloists, as well as The La Jolla Symphony Chorus, frequently appear with the orchestra. The La Jolla Symphony Orchestra performs two full-length programs each quarter, each program being performed twice. May be repeated six times for credit. **Prerequisites:** audition and department stamp required.

MUS 137A. Jazz Theory and Improvisation (4)

Study of jazz theory and improvisation, focused on fundamental rhythmic, harmonic, melodic, and formal aspects of modern jazz style. Application of theoretical knowledge to instruments and concepts will be reinforced through listening, transcription work, and composition and improvisation exercises. First course of a yearlong sequence. **Prerequisites:** MUS 2A-B-C, proficiency exam, or consent of instructor.

MUS 171. Computer Music I (4)

(Formerly MUS 160C.) A practical introduction to computer techniques for desktop audio editing, MIDI control, and real-time music algorithms using the MAX programming environment. Recommended preparation: completion of MUS 170. **Prerequisites:** none; restricted to music majors, ICAM-music and ICAM-visual arts majors and minors, or consent of instructor.

MUS 173. Electronic Music Production and Composition (4)

(Formerly MUS 162.) Creative music production using digital audio workstations (DAWs), emphasizing hands-on composition projects including tempo warping, beat and tonality matching, virtual drum kits, chord progressions, sound processing and effects, arrangement, and remixing in the context of both popular and experimental genres. Existing works are analyzed and dissected for aesthetic value and production technique. **Prerequisites:** none; restricted to music, ICAM-music, and ICAM-visual arts majors and minors, or consent of instructor.

MUS 173. Electronic Music Production and Composition (4)

(Formerly MUS 162.) Creative music production using digital audio workstations (DAWs), emphasizing hands-on composition projects including tempo warping, beat and tonality matching, virtual drum kits, chord progressions, sound processing and effects, arrangement, and remixing in the context of both popular and experimental genres. Existing works are analyzed and dissected for aesthetic value and production technique. **Prerequisites:** none; restricted to music, ICAM-music, and ICAM-visual arts majors and minors, or consent of instructor.

MUS 174A. Audio/MIDI Studio Techniques I (4)

First class in a yearlong sequence. Surveys hardware and software resources in an advanced analog/digital and media studio. Required course for use of the studio. Topics include: electronic and computer music, digital and analog audio signal mixing and manipulation, studio devices, interfacing, compositional applications, MIDI synchronization, performance and student projects. 174A focuses on signals, mics, device-based recording, mixing, monitoring.

Prerequisites: MUS 170; restricted to music, ICAM-music, and ICAM-visual arts majors and minors, or consent of instructor.

Theatre and Dance**TDAC 101. Acting I (4)**

This course focuses on beginning scene study with an emphasis on exploring action/objective and the given circumstances of a selected text. **Prerequisites:** THAC or TDAC 1 or consent of instructor.

TDAC 102. Acting II (4)

Further study in the application of the given circumstances to a text and the development of characterization. **Prerequisites:** TDAC 101.

TDAC 108. Advanced Topics (4)

Advanced topics in acting, such as avant-garde drama, commedia, or Beckett, for students who possess basic acting techniques. May be taken for credit four times. **Prerequisites:** TDAC 102.

TDAC 112. Senior Seminar in Acting (4)

An in-depth study seminar focused on special issues in acting as they relate to contemporary theatre. Of particular interest to students who plan to pursue a career in this area of theatre. **Prerequisites:** TDAC 102.

TDAC 122. Ensemble: Undergraduate Production (4)

Participation in a fully staged theatre production directed by an MFA or PhD student for the Department of Theatre and Dance. Admission by audition only. A maximum of four units may be used for major credit. **Prerequisites:** consent of the instructor; department stamp.

TDAC 123. Advanced Studies in Performance (4)

Participation in a fully staged season production that is directed by a faculty member or guest for the Department of Theatre and Dance. Admission by audition only. A maximum of four units may be used for major credit.

Prerequisites: consent of the instructor; department stamp.

TDDE 130. Assistant Designer (2–6)

A production-oriented course that continues to introduce students to the fundamentals of design assisting. Laboratory format allows the student to work with faculty, graduate, or advanced undergraduate theatre designers, doing research, developing design concepts, and supporting the designer in a number of professional ways. May be taken for credit two times. **Prerequisites:** THDE or TDDE 1, any upper-division undergraduate theatre design class, THPR or TDPR 1, 2, 3, or 5; and consent of instructor; department stamp.

****Must be taken for 4-units to complete the Fine Arts GE.**

TDDE 131. Special Topics in Theatre Design (4)

A course designed to expose the theatre design students to a variety of specialized topics that will vary from quarter to quarter. May be taken for credit three times. **Prerequisites:** THDE or TDDE 1 or consent of instructor.

TDDE 132. Undergraduate Main Stage Production: Design (4)

A course that will guide a student in a design assignment on the undergraduate main stage production. Specialized topics dependent on the design requirements of the production. May be taken for credit three times. **Prerequisites:** THDE or TDDE 1 and THDE or TDDE 101 or THDE or TDDE 121, or THDE or TDDE 131, or consent of instructor.

TDDR 101. Stage Management (4)

Discussion and research into the duties, responsibilities, and roles of a stage manager. Work to include studies in script analysis, communication, rehearsal procedures, performance skills, and style and conceptual approach to theatre. THGE or TDGE 1, THAC or TDAC 1, and THDE or TDDE 1 recommended.

TDDR 108. Text Analysis for Actors and Directors (4)

This is an introductory class in the process of understanding the play script. The class will focus on analyzing the story and the underlying dramatic structure in terms of dramatic action. Objectives, actions, choices, given circumstances, and character will be examined. **Prerequisites:** upper-division standing or consent of instructor.

TDGE 125. Topics in Theatre and Film (4)

Great films and the performance of the actors in them are analyzed in their historical, cinematic, or theatrical contexts. This course examines the actor's contribution to classic cinema and the social and aesthetic forces at work in film. **Prerequisites:** upper-division standing or consent of instructor.

TDHD 176. Dance History—Special Topics (4)

An in-depth exposure to an important topic in dance history, theory, aesthetics, and criticism. Topics vary from quarter to quarter. **Prerequisites:** TDTR 10, upper-division standing.

TDHT 101. Topics in Dramatic Literature and Theatre History (4)

An in-depth exposure to an important individual writer or subject in dramatic literature and/or theatre history. Topics vary from quarter to quarter. Recent courses have included Modern French Drama, and the History of Russian Theatre. No prior knowledge in theatre history is needed. May be taken for credit three times. **Prerequisites:** upper-division standing or consent of instructor.

TDHT 107. American Theatre (4)

In this course we will examine representative plays and playwrights who write about the "American" experience from a variety of historical periods and diverse cultural communities. Playwrights will include Glaspell, O'Neill, Williams, Hansberry, Valdez, Yamauchi, Parks, Kushner, Mamet, Greenberg, Hwang, Letts, and Cruz. Theatre companies will include The Group, Provincetown Players, San Francisco Mime Troupe, East/West Players, Teatro Campesino, Spiderwoman, and Cornerstone. TDHT 107 is an approved Diversity, Equity, and Inclusion (DEI) course. No prior knowledge in theatre history is needed. **Prerequisites:** upper-division standing or consent of instructor.

NATURAL SCIENCE
(FOR NON-SCIENCE / NON-MATH / NON-ENGINEERING
MAJORS):

Non-Science Major Natural Science Lower Division:

Anthropology

ANTH 2. Human Origins (4)

An introduction to human evolution from the perspective of physical anthropology, including evolutionary theory and the evolution of the primates, hominids, and modern humans. Emphasis is placed on evidence from fossil remains and behavioral studies of living primates. *Prerequisites: none.*

Biology

BILD 10. Fundamental Concepts/Modern Bio (4)

An introduction to the biochemistry and genetics of cell organisms illustrations are drawn from microbiology and human biology. Course is designed for nonbiology students and open to nonbiology majors only. Note: Students may not receive credit for BILD 10 after receiving credit for BILD 1.

BILD 20. Human Genetics in Modern Society (4)

Fundamentals of human genetics and introduction to modern genetic technology such as gene cloning and DNA finger printing. Applications of these techniques, such as forensic genetics, genetic screening, and genetic engineering. Social impacts and ethical implications of these applications. This course is designed for nonbiology students and does not satisfy a lower-division requirement for any biology major. Open to nonbiology majors only. *Prerequisites: none.*

BILD 30. Biology of Plagues: Past & Present (4)

An introduction to diseases caused by viruses, bacteria, and parasites, and the impact of these diseases on human society. Topics include the biology of infectious disease, epidemiology, and promising new methods to fight disease. *Prerequisite: none.*

Chemistry

CHEM 11. The Periodic Table (4)

Introduction to the material world of atoms and small inorganic molecules. Student may not receive credit for both Chem 4 and Chem 11. *Prerequisite: none.*

Cognitive Science

COGS 11. Minds and Brains (4)

How damaged and normal brains influence the way humans solve problems, remember or forget, pay attention to things; how they affect our emotions; and language in daily life. *Prerequisite: none.*

COGS 17. Neurobiology of Cognition (4)

Introduction to the organization and functions of the nervous system. Topics include molecular, cellular, developmental, systems, and behavioral neurobiology. Specifically, structure and function of neurons, peripheral and central nervous systems, sensory, motor, and control systems, learning and memory mechanisms. Students may not receive credit for both Biology 12 and Cognitive Science 17. *Prerequisite: none.*

Environmental Science

ENVR 30. Environmental Issues: Natural Sciences (4)

Examines global and regional environmental issues. The approach is to consider the scientific basis for policy options. Simple principles of chemistry and biology are introduced. The scope of problems includes: air and water pollution, climate modification, solid waste disposal, hazardous waste treatment, and environmental impact assessment. *Prerequisites: none.*

Scripps Institute of Oceanography

SIO 12. History of the Earth and Evolution (4)

Evolution of the Earth from its origin in the early solar system to formation of continents and ocean basins, and how the planet became habitable. It examines the geologic record of evolution, extinction, plate tectonics, and climate changes through time. *Prerequisites: none.*

SIO 15. Natural Disasters (4)

Introduction to environmental perils and their impact on everyday life. Geological and meteorological processes, including earthquakes, volcanic activity, large storms, global climate change, mass extinctions throughout Earth's history, and human activity that causes and prevents natural disasters. *Prerequisites: none.*

SIO 30. The Oceans (4)

Presents modern ideas and descriptions of the physical, chemical, biological, and geological aspects of oceanography, and considers the interactions between these aspects. Intended for students interested in the oceans, but who do not necessarily intend to become professional scientists. *Prerequisites: none. (F)*

SIO 40. Life and Climate on Earth (4)

Explores life on Earth and its relationship to the environment—past, present, and future. Topics include origins of life, earth history, elemental cycles, global climate variability and human impacts on our environment. *Prerequisites: none.*

SIO 50. Introduction to Earth and Environmental Sciences (6)

This course is an introduction to how our planet works, focusing on the formation and evolution of the solid earth, and the processes affecting both its surface and interior. Labs and field trips complement and extend the lecture material. *Prerequisite: none. Program and/or materials fee may apply.*

Physics

PHYS 5. Stars and Black Holes (4)

An introduction to the evolution of stars, including their birth and death. Topics include constellations, the atom and light, telescopes, stellar birth, stellar evolution, white dwarfs, neutron stars, black holes, and general relativity. This course uses basic algebra, proportion, radians, logs, and powers. Physics 5, 7, 9, and 13 form a four-quarter sequence and can be taken individually in any order. *Prerequisite: none.*

PHYS 10. Concepts in Physics (4)

Course is for nonscience majors. Topics covered are motion, energy, heat, waves, electric current, radiation, light, atoms and molecules, nuclear fission and fusion. This course emphasizes concepts with minimal mathematical formulation. Recommended prep: college algebra.

PHYS 13. Life in the Universe (4)

An exploration of life in the Universe. Topics include defining life; the origin, development, and fundamental characteristics of life on Earth; searches for life elsewhere in the Solar System and other planetary systems; space exploration; and identifying extraterrestrial intelligence. This course uses basic algebra, proportion, radians, logs, and powers. Physics 5, 7, 9, and 13 form a four-quarter sequence and can be taken individually in any order. *Prerequisites: none*

Psychology

PSYC 2. General Psychology: Biological Foundations (4)

This course provides an introductory survey of the relationship between human behavior and brain function. Specific areas of emphasis include vision and other sensory processes, memory, motivation, attention, and cognition. *Prerequisites: none*

NATURAL SCIENCE
(FOR SCIENCE / MATH / ENGINEERING MAJORS):

Science Major Natural Science Lower Division:

Biology

BILD 1. The Cell (4)

An introduction to cellular structure and function, to biological molecules, bioenergetics, to the genetics of both prokaryotic and eukaryotic organisms, and to the elements of molecular biology.

BILD 2. Multicellular Life (4)

An introduction to the development and the physiological processes of plants and animals. Included are treatments of reproduction, nutrition, respiration, transport systems, regulation of the internal environment, the nervous system, and behavior. *Prerequisites: BILD 1.*

BILD 3. Organismic and Evolutionary Biology (4)

The first principles of evolutionary theory, classification, ecology, and behavior; a phylogenetic synopsis of the major groups of organisms from viruses to primates. **Prerequisite:** none.

Chemistry

CHEM 4. Basic Chemistry (4)

Chemistry 4 is for science majors with insufficient preparation to start the Chem 6 sequence. Topics include nomenclature, stoichiometry, basic reactions, bonding, and the periodic table. May not receive credit for both Chem 4 and Chem 11. Recommended: concurrent enrollment in Math 3C, 4C or 10A or higher. **Prerequisite:** none.

CHEM 6A. General Chemistry I (4)

First quarter of a three-quarter sequence intended for science and engineering majors. Topics include: atomic theory, bonding, molecular geometry, stoichiometry, types of reactions, and thermochemistry. May not be taken for credit after Chem 6AH. Recommended: proficiency in high school chemistry and/or physics; concurrent or prior enrollment in Math 10A or 20A. **Prerequisite:** none.

CHEM 6B: General Chemistry II (4)

Second quarter of a three-quarter sequence intended for science and engineering majors. Topics include: covalent bonding, gases, liquids, and solids, colligative properties, physical and chemical equilibria, acids and bases, solubility. May not be taken for credit after Chem 6BH. **Prerequisites:** Chem 6A or 6AH and Math 10A or 20A. Recommended: concurrent or prior enrollment in Math 10B or 20B.

CHEM 6C. General Chemistry III (4)

Third quarter of a three-quarter sequence intended for science and engineering majors. Topics include: thermodynamics, kinetics, electrochemistry, coordination chemistry, and introductions to nuclear, main group organic, and biochemistry. May not be taken for credit after Chem 6CH. **Prerequisites:** Chem 6B or 6BH. Recommended: completion of Math 10B or 20B

Physics

PHYS 1A. Mechanics (3)

First quarter of a three-quarter introductory physics course geared towards life-science majors. Equilibrium and motion of particles in one and two dimensions in the framework of Newtonian mechanics, force laws (including gravity), energy, momentum, rotational motion, conservation laws, and fluids. Examples will be drawn from astronomy, biology, sports, and current events. **Prerequisites:** Mathematics 10A or 20A.

Corequisites: Physics 1AL and Mathematics 10B or 20B

PHYS 1AL. Mechanics Laboratory (2)

Physics laboratory course to accompany PHYS 1A. Experiments in mechanics.

Prerequisites: Mathematics 10A or 20A.

Corequisites: Physics 1A and Mathematics 10B or 20B

PHYS 1B. Electricity & Magnetism (3)

Second quarter of a three-quarter introductory physics course geared towards life-science majors. Electric fields, magnetic fields, DC and AC circuitry.

Prerequisites: PHYS 1A or 2A, 1AL or 2BL, and Math 10B or 20B. **Corequisites:** Physics 1BL and Math 10C or 20C or 11

PHYS 1BL. Electricity & Magnetism Laboratory (2)

Physics laboratory course to accompany PHYS 1B. Experiments

in electricity and magnetism. Course materials fee may apply. **Prerequisite:**

Physics 1A or 2A, 1AL or 2BL, and Mathematics 10B or 20B. **Corequisites:**

Physics 1B and Mathematics 10C or 20C or 11

PHYS 1C. Waves, Optics & Modern Physics (3)

Third quarter of a three-quarter introductory physics course geared toward life-science majors. The physics of oscillations and waves, vibrating strings and sound, the behavior of systems under combined thermal and electric forces, and the interaction of light with matter as illustrated through optics and quantum mechanics. Examples from biology, sports, medicine, and current events.

Prerequisites: Physics 1B or 2B, 1BL or 2CL, and Math 10C or 20C or 31BH or 11. **Corequisites:** Physics 1CL.

PHYS 1CL. Waves, Optics, and Modern Physics Laboratory (2)

Physics laboratory course to accompany Physics 1C. Experiments in waves, optics, and modern physics. Program or material fee may apply. **Prerequisites:** Physics 1B or 2B, 1BL or 2CL, and Math 10C or 20C or 31BH or 11.

Corequisites: Physics 1C.

PHYS 2A. Physics—Mechanics (4)

A calculus-based science engineering general physics course covering vectors, motion in one and two dimensions, Newton's first and second laws, work and energy, conservation of energy, linear momentum, collisions, rotational kinematics, rotational dynamics, equilibrium of rigid bodies, oscillations, gravitation. Students may not receive credit for PHYS 2A and 4A. **Prerequisites:** Math 20A **Corequisites:** Math 20B

PHYS 2B. Physics—Electricity & Magnetism (4)

Continuation of PHYS 2A covering charge and matter, the electric field, Gauss's law, electric potential, capacitors and dielectrics, current and resistance, electromotive force and circuits, the magnetic field, Ampere's law, Faraday's law, inductance, electromagnetic oscillations, alternating currents and Maxwell's equations. **Prerequisites:** PHYS 2A or 4A and Math 20A-B **Corequisite:** Math 20C

PHYS 2C. Physics—Fluids, Waves, Thermodynamics & Optics (4)

Continuation of PHYS 2B covering fluid mechanics, waves in elastic media, sound waves, temperature, heat and the first law of thermodynamics, kinetic theory of gases, entropy and the second law of thermodynamics, geometric optics, interference and diffraction. **Prerequisites:** PHYS 2A or 4A, and Math 20A-C **Corequisite:** Math 20D

PHYS 2D. Physics—Relativity and Quantum Physics (4)

A modern physics course covering atomic view of matter, electricity and radiation, atomic models of Rutherford and Bohr, relativity, X-rays, wave and particle duality, matter waves, Schrödinger's equation, atomic view of solids, natural radioactivity. **Prerequisites:** Physics 2A or 4A, 2B, and Math 20D. **Corequisites:** Math 20E or 31CH (prior completion is sufficient).

QUANTITATIVE / FORMAL SKILLS
(FOR NON-SCIENCE / NON-MATH / NON-ENGINEERING
MAJORS):

Non-Science Major Quantitative/Formal Skills Lower Division:

Formal Logic

- **Philosophy**

PHIL 10. Introduction to Logic (4)

Basic concepts and techniques in both informal and formal logic and reasoning, including a discussion of argument, inference, proof, and common fallacies, and an introduction to the syntax, semantics, and proof method in sentential (propositional) logic. *Prerequisite: none*

PHIL 12. Scientific Reasoning (4)

Strategies of scientific inquiry: how elementary logic, statistical inference, and experimental design are integrated to evaluate hypotheses in the natural and social sciences. *Prerequisite: none*

Statistics

- **Cognitive Science**

COGS 14A. Introduction to Research Methods (4)

Introduction to the scientific method. Methods of knowledge acquisition, research questions, hypotheses, operational definitions, variables, control. Observation, levels of measurement, reliability, validity. Experimentation and design: between-groups, within-subjects, quasi-experimental, factorial, single-subject. Correlational and observational studies. Ethics in research.

- **Computer Science and Engineering**

CSE 3. Fluency in Information Technology (4)

Introduces the concepts and skills necessary to effectively use information technology. Includes basic concepts and some practical skills with computer and networks. *Prerequisite: none.*

- **Human Developmental Sciences**

HDS 60. Intro to Statistical Analysis (4)

Course provides an intro to descriptive and inferential statistics, core tools in the process of scientific discovery, and interpretation of research. *Prerequisite: none.*

- **Mathematics / Calculus**

MATH 11. Calculus-Based Introductory Probability and Statistics (5)

Events and probabilities, conditional probability, Bayes' formula. Discrete and continuous random variables: mean, variance; binomial, Poisson distributions, normal, uniform, exponential distributions, central limit theorem. Sample statistics, confidence intervals, hypothesis testing, regression. Applications. Introduction to software for probabilistic and statistical analysis. Emphasis on connections between probability and statistics, numerical results of real data, and techniques of data analysis. *Prerequisites: AP Calculus BC score of 3, 4, or 5, or MATH 10B or MATH 20B.*

- **Mechanical and Aerospace Engineering**

MAE 5. Quantitative Computer Skills (4)

Introductory course for non-engineering majors. Use of computers in solving problems; applications from life sciences, physical sciences, and engineering. Students run existing computer programs and complete some programming in BASIC. *Prerequisite: none.*

- **Management - Rady School of Management**

MGT 3. Quantitative Methods in Business (4)

Introduction to techniques to develop/analyze data for informed tactical and strategic management decisions: statistical inference, probability, regression analysis, and optimization. Using these analytic approaches, theory-based formulas, and spreadsheets, students explore managerial applications across all areas of business activity. *Prerequisites: none.*

- **Psychology**

PSYC 60. Intro to Statistics (4)

Course provides an intro to social psychology. Topics may include emotion, aesthetics, behavior medicine, person perception, attitudes and attitude change and behavior. *Prerequisites: none.*

- **Sociology**

SOCI 60. Practice of Social Research (4)

This course introduces students to the fundamental principles of the design of social research. It examines the key varieties of evidence, sampling methods, logic of comparison, and causal reasoning researchers use in their study of social issues. Will not receive credit for SOCI 60 and SOCL 60. *Prerequisites: none.*

QUANTITATIVE / FORMAL SKILLS
(FOR SCIENCE / MATH / ENGINEERING MAJORS):

Science Major Quantitative/Formal Skills Lower Division:

Computer Programming

- **Cognitive Science**

COGS 9. Introduction to Data Science (4)

Concepts of data and its role in science will be introduced, as well as the ideas behind data-mining, text-mining, machine learning, and graph theory, and how scientists and companies are leveraging those methods to uncover new insights into human cognition. *Prerequisite: none*

COGS 18. Introduction to Python (4)

This class will teach fundamental Python programming skills and practices, including the "Zen of Python." Students will focus on scientific computing and learn to write functions and tests, as well as how to debug code using the Jupyter Notebook programming environment. Students with limited computing experience may take COGS 3 for preparation. *Prerequisite: none*

- **Computer Science and Engineering**

CSE 8B. Introduction to Computer Science: Java II (4) Continuation of the Java language. Continuation of programming techniques. More on inheritance. Exception handling. CSE 8B is part of a two-course sequence (CSE 8A and CSE 8B) that is equivalent to CSE 11. Students should consult the "CSE Course Placement Advice" web page for assistance in choosing which CSE course to take first. Students may not receive credit for CSE 8B and CSE 11.

Prerequisites: CSE 8A; restricted to undergraduates. Graduate students will be allowed as space permits.

- **Electrical and Computer Engineering**

ECE 15. Engineering Computation (4)

Students learn the C programming language with an emphasis on high-performance numerical computation. The commonality across programming languages of control structures, data structures, and I/O is also covered. Techniques for using MatLab to graph the results of C computations are developed. *Prerequisites: a familiarity with basic mathematics such as trigonometry functions and graphing is expected but this course assumes no prior programming knowledge.*

- **Mathematics / Calculus**

MATH 3C. Pre-Calculus (4)

Functions and their graphs. Linear and polynomial functions, zeroes, inverse functions, exponential and logarithm, trigonometric functions and their inverses. Emphasis on understanding algebraic, numerical and graphical approaches making use of graphing calculators. (No credit given if taken after Math 4C, 1A/10A, or 2A/20A.) Three or more years of high school mathematics or equivalent recommended. **Prerequisite:** *Math Placement Exam qualifying score.*

MATH 4C. Pre-Calculus for Science and Engineering (4) Review of polynomials. Graphing functions and relations: graphing rational functions, effects of linear changes of coordinates. Circular functions and right triangle trigonometry. Reinforcement of function concept: exponential, logarithmic, and trigonometric functions. Vectors. Conic sections. Polar coordinates. Three lectures, one recitation. (No credit given if taken after Math 10A or 20A. Two units of credit given if taken after Math. 3C.) **Prerequisite:** *Math Placement Exam qualifying score, or Math 3C with a grade of C or better.*

MATH 10A. Calculus I (4)

Differentiation and integration of algebraic functions. Fundamental theorem of calculus. Applications. (No credit given if taken after or concurrently with Math 20A.) **Prerequisite:** *Math Placement Exam qualifying score, or AP Calculus AB score of 2, or SAT II Math 2C score of 600 or higher, or Math 3C with a grade of C or better, or Math 4C with a grade of C– or better.*

MATH 10B. Calculus II (4)

Integral calculus of functions of one variable, with applications. Antiderivatives, definite integrals, the Fundamental Theorem of Calculus, methods of integration, areas and volumes, separable differential equations. (No credit given if taken after or concurrently with Math 20B.) **Prerequisite:** *AP Calculus score of 3, 4, or 5 (Or equivalent AB subscore on BC exam), or Math 10A, or Math 20A.*

MATH 10C. Calculus III (4)

Introduction to functions of more than one variable. Vector geometry, partial derivatives, velocity and acceleration vectors, optimization problems. (No credit given if taken after or concurrent with 20C.) **Prerequisite:** *AP Calculus BC score of 3, 4, or 5, or MATH 10B, or MATH 20B.*

MATH 20A. Calculus for Science and Engineering (4)

Foundations of differential and integral calculus of one variable. Functions, graphs, continuity, limits, derivative, tangent line. Applications with algebraic, exponential, logarithmic, and trigonometric functions. Introduction to the integral. (**Prerequisite:** *Math Placement Exam qualifying score, or test score*)

MATH 20B. Calculus for Science and Engineering (4)

Integral calculus of one variable and its applications, with exponential, logarithmic, hyperbolic, and trigonometric functions. Methods of integration. Polar coordinates in the plane. (Two units of credits given if taken after Math 10B or Math 10C.) **Prerequisite:** *AP Calculus AB score of 4, or 5, or AP Calculus BC score of 3, or Math 20A with a grade of C– or better, or Math 10B with a grade of C– or better, or Math 10C with a grade of C– or better.*

MATH 20C. Calculus and Analytic Geometry for Science and Engineering (4)

Vector geometry, vector functions and their derivatives. Partial differentiation. Maxima and minima. Double integration. Two units of credit given if taken after Math 10C. *Credit not offered for both Math 20C and 31BH.* **Prerequisite:** *AP Calculus BC score of 4, or 5, or Math 20B with a grade of C– or better.*

LANGUAGE:

List of approved course offerings for language is available on the ERC website:

<https://roosevelt.ucsd.edu/academics/gen-ed/index.html#Language>

REGIONAL SPECIALIZATION - EUROPE
(COURSES MUST BE UPPER-DIVISION):

History

HIEU 103. Decline and Fall of the Roman Empire (4)

This course discusses the history of imperial Rome and its successor states between the second and seventh centuries AD. It considers whether the Roman Empire fell or if one should instead speak of Roman continuity amidst political and religious change.

HIEU 106. Egypt, Greece, and Rome (4)

This course is a survey of the political, social, and cultural history of the ancient Mediterranean. It focuses on the ancient empires in the Near East (Sumer, Babylon, Assyria, Persia), Egypt, Greece, and Rome.

HIEU 115. The Pursuit of the Millennium (4)

The year 2000 provokes questions about the transformation of time, culture, and society. Taking the year 1000 as a touchstone, this class examines the history of apocalyptic expectations in the Middle Ages through a close scrutiny of both texts and art.

HIEU 127D. Sport in the Modern World (4)

This course looks at sport in all of its social, cultural, political, and economic aspects. The starting point will be the emergence of modern sport in nineteenth-century Britain, but the focus will be global. Since the approach will be topical rather than chronological, students should already have a good knowledge of world history in the nineteenth and twentieth centuries. Students may not get credit for both HIEU 127 and HIEU 127D.

HIEU 139. Sex and Gender from the Renaissance to the French Revolution (4)

This course places gender and sexuality at the center of European history from the Renaissance to the French Revolution. We examine the distinct roles that men and women played in the period's major events. We track how practices and understandings of gender and sexuality shifted during the four centuries between 1500 and 1800.

HIEU 144. Topics in European History (4)

Selected topics in European history. Course may be taken for credit up to three times as topics vary.

HIEU 146. Fascism, Communism, and the Crisis of Liberal Democracy: Europe 1919–1945 (4)

A consideration of the political, social, and cultural crisis that faced Western liberal democracies in the interwar period, with emphasis on the mass movements that opposed bourgeois liberalism from both the left and the right.

HIEU 154. Modern German History: From Bismarck to Hitler (4)

An analysis of the volatile course of German history from unification to the collapse of the Nazi dictatorship. Focus is on domestic developments inside Germany as well as on their impact on European and global politics in the twentieth century.

HIEU 171 Special Topics in Twentieth-Century Europe (4)

This course alternates with HIEU 170. Topics will vary from year to year. **Prerequisites:** background in European history.

HISC 107. The Emergence of Modern Science (4)

The development of the modern conception of the sciences, and of the modern social and institutional structure of scientific activity, chiefly in Europe, during the eighteenth and nineteenth centuries.

REGIONAL SPECIALIZATION – MIDDLE EAST
(COURSES MUST BE UPPER-DIVISION):

Economics

ECON 165. Middle East Economics (4)

Socioeconomic development in the Arab world, Iran, and Turkey. Historical perspective; international trade and fuel resources; education, health, and gender gaps; unemployment and migration; population and environment; Islam and democracy. **Prerequisites:** ECON 1 and 3.

History

HINE 116. The Middle East in the Age of European Empires (1798–1914) (4)

Examines the contacts of the late Ottoman Empire and Qajar Iran with Europe from the Napoleonic invasion of Egypt to World War I, the diverse facets of the relationship with the West, and the reshaping of the institutions of the Islamic states and societies.

HINE 119. US Mid-East Policy Post-WWII (4)

An examination of post-WWII Middle East conflicts, including the Israeli-Arab conflicts, the Lebanese Civil War, and the Gulf War of the 1980s. The roles of the superpowers and Middle Eastern states during the period.

Linguistics

Linguistics/Heritage Languages (LIHL) 117F. Persian for Persian Speakers (4)

For students who comprehend informal spoken Persian but wish to improve their communicative and sociocultural competence and their analytic understanding. Language functions for oral communication, reading, writing, and family life/festivals; dialect and language style differences; structure and history of Persian. LIHL 117F, LIHL 117W, and LIHL 117P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

Linguistics/Heritage Languages (LIHL) 137F. Advanced Persian for Persian Speakers (4)

Instruction stresses language function required for advanced oral communication, reading, writing, and cultural understanding in professional contexts, with emphasis on domestic culture. High-level vocabulary and texts; dialect differences and formal language styles (registers). Advanced structural analysis and history of Persian. LIHL 137F, LIHL 137W, and LIHL 137P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level. (Not offered in 2018–19.)

REGIONAL SPECIALIZATION - AFRICA
(COURSES MUST BE UPPER-DIVISION):

History

HIAF 111. Modern Africa since 1880 (4)

A survey of African history dealing with the European scramble for territory, primary resistance movements, the rise of nationalism and the response of metropolitan powers, the transfer of power, self-rule and military coups, and the quest for identity and unity.

HIAF 113. Small Wars and the Global Order: Africa and Asia (4)

Examines the traumas, interrelation, and global repercussions of national conflicts ("small wars") in the postcolonial world. Focus on Africa and Asia from the Cold War to the present with particular attention to the intersection of foreign interests, insurgency, and geopolitics.

Theatre and Dance

TDMV 143. West African Dance (4)

An introductory course that explores the history of West African cultures and diasporas through student research, oral presentation, dance movement, and performance. Contemporary African dances influenced by drum masters and performing artists from around the world are also covered. Course materials and services fees may apply. May be taken for credit three times. **Prerequisites:** upper-division standing.

REGIONAL SPECIALIZATION - EURASIA:
(COURSES MUST BE UPPER-DIVISION):

Literature

LTRU 104B. Advanced Practicum in Russian: Analysis of Text and Film (4)

Development of advanced skills in reading, writing, and conversation. Course based on written and oral texts of various genres and styles. Individualized program to meet specific student needs. May be taken twice for credit. **Prerequisites:** LTRU 104A or its equivalent or consent of instructor.

REGIONAL SPECIALIZATION - AMERICAS:
(COURSES MUST BE UPPER-DIVISION):

Critical Gender Studies

CGS 119. Asian American Film, Video, and New Media: The Politics of Pleasure (4)

(Cross-listed with LTCS 119.) The course explores the politics of pleasure in relation to the production, reception, and performance of Asian American identities in the mass media of film, video, and the internet. The course considers how the “deviant” sexuality of Asian Americans (e.g., hypersexual women and emasculated men) does more than uniformly harm and subjugate Asian American subjects. The texts explored alternate between those produced by majoritarian culture and the interventions made by Asian American filmmakers. Students may not receive credit for LTCS 119 and CGS 119. ****Course can overlap with DEI Requirement**

Dimensions of Culture

DOC 100D. Dimensions of Culture: Promises and Contradictions in US Culture (4)

This course provides a broad overview of key historical contradictions in US history and explores the origins of social stratifications and movements. Students acquire tools for analyzing national tensions. Central aspects include slavery, women’s rights, and rising corporate power. Course introduces concepts at the intersections of class, gender, religion, race, and sexuality. Students learn to analyze and discuss complex historical/societal artifacts. Designed for two student sectors: 1) Marshall College transfer students who have not taken the DOC sequence, and 2) Transfer and other upper-division students from all seven colleges who want to fulfill the campuswide diversity requirement. **Prerequisites:** upper-division standing and completion of college writing. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

Education Studies

EDS 116. Equity-Minded Education (4)

This course introduces the foundational historical and theoretical issues for the critical study of higher education diversity work and student affairs. This course integrates questions of identity with those of social justice and requires a strong commitment to understanding self and other. The role of mentoring, advising, and counseling will also be examined. **Prerequisites:** departmental approval (consent of instructor) required. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

EDS 117. Language, Culture, and Education (4)

(Same as SOCI 117) The mutual influence of language, culture, and education will be explored; explanations of students’ school successes and failures that employ linguistic and cultural variables will be considered; bilingualism and cultural transmission through education. Students may not receive credit for EDS 117 and SOCI 117 and EDS 117GS. **Prerequisites:** upper-division standing. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

EDS 125. History, Politics, and Theory of Bilingual Education (4)

This course provides a historical overview and models of bilingual education in the United States. Students will examine socio-cultural, theoretical, and policy issues associated with native language and second-language instruction, and legal requirements for public bilingual program. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

EDS 130. Introduction to Academic Mentoring of Elementary/School Students (4)

This course focuses on the role of undergraduate mentors in raising academic expectations for students and families traditionally underrepresented at the university. The relationship between the school and community, the social and political organization of elementary schools, and the academic achievement of elementary children are examined. **Prerequisites:** department approval required; EDS 139 must be taken as a corequisite. **EDS 139. Practicum in Teaching and Learning (2):** Students are placed in local P–12 schools and community field sites to actively engage in face-to-face educational service work. Students spend a minimum of four hours per week consistently over the ten-week quarter for a minimum total of forty hours per quarter. P/NP grades only. May be taken for credit up to twelve times. **Corequisites:** One of the following courses must be taken concurrently: EDS 128A-B, or 129A-B-C, 130, 131, 133, 136, 137, 140, or 141. **Prerequisites:** department approval required. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

Ethnic Studies

ETHN 103. Environmental Racism (4)

This course will examine the concept of environmental racism, the empirical evidence of its widespread existence, and the efforts by government, residents, workers, and activists to combat it. We will examine those forces that create environmental injustices in order to understand its causes as well as its consequences. Students are expected to learn and apply several concepts and social scientific theories to the course material.

ETHN 104. Race, Space, and Segregation (4)

Through in-depth studies of housing segregation, urban renewal and displacement, neighborhood race effects, and the location of hazards and amenities, this course examines how space becomes racialized and how race becomes spatialized in the contemporary United States.

ETHN 115. Monsters, Orphans, and Robots (4)

This course considers dark agencies, queer threats, and how they seep through cracks in containers meant to disable them. This class will be writing intensive with an artistic production component. Recommended: ETHN 100 is recommended prior to enrollment in this course.

ETHN 116. The United States-Mexico Border in Comparative Perspective (4)

This course critically explores the US-Mexico frontier and the social-cultural issues on both sides of the international demarcation. Social-historical and political-economic patterns illuminate border life, ethnic identity, social diversity, and cultural expression. Border ethnography is complemented by film and music. ****Course can overlap with DEI Requirement**

ETHN 118. Contemporary Immigration Issues (4)

This course examines the diversity of today’s immigrants—their social origins and contexts of exit and their adaptation experiences and contexts of incorporation.

ETHN 120. Race and Performance: The Politics of Popular Culture (4)

This course explores how racial categories and ideologies have been constructed through performance and displays of the body in the United States and other sites. Racialized performances, whether self-displays or coerced displays, such as world’s fairs, museums, minstrelsy, film, ethnography, and tourist performances are considered.

ETHN 167. Muslim Identity in America (4)

This course is an introduction to the study of Muslims in the U.S. It examines the ways in which questions of race, gender, and white settler colonial plantation state practices have shaped Muslim lives, both historically and in present times. Topics include the arrival of African Muslims in slave ships, growing Latinx Muslim presence, South Asian and Arab-American Muslims, immigrant-indigenous-black Muslim debates, media representation, resistance movements, and questions of national belonging. May be taken for credit up to two times when content varies.

ETHN 168. Comparative Ethnic Literature (4)

(Cross-listed with LTEN 178.) A lecture-discussion course that juxtaposes the experience of two or more US ethnic groups and examines their relationship with the dominant culture. Students will analyze a variety of texts representing the history of ethnicity in this country. Topics will vary. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

ETHN 178. Blues: An Oral Tradition (4)

(Cross-listed with MUS 126.) This course will examine the development of the blues from its roots in work-songs and the minstrel show to its flowering in the Mississippi Delta to the development of urban blues and the close relationship of the blues with jazz, rhythm and blues, and rock and roll. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

History**HILA 101. Nation-State Formation, Ethnicity, and Violence in Latin America (4)**

Survey of Latin America in the nineteenth century. It addresses such issues as the collapse of colonial practices in the society and economy as well as the creation of national governments, political instability, disparities among regions within particular countries, and of economies oriented toward the export of goods to Europe and the United States.

HILA 121A. History of Brazil through 1889 (4)

This course covers many of the most transformative and fascinating social, political, and racial phenomena in Brazilian society through 1889, including indigenous life, Portuguese colonization, slavery and abolition, royal exile, independence and Empire, the birth of the Republic, war, social unrest, and ideals of modernization.

HILA 162 Special Topics in Latin American History (4)

Topics will vary from year to year or quarter to quarter. May be repeated for an infinite number of times due to the nature of the content of the course always changing. **Prerequisites:** consent of instructor.

HIUS 103/ETHN 103A. The United States and the Pacific World (4)

History of the United States in the Pacific, with an emphasis on Hawai'i, Guam, the Mariana Islands, and the Marshall Islands, from the nineteenth century to the present. Topics include colonialism and imperialism, cultural representations, indigenous knowledge and sovereignty, militarism, tourism, and environmentalism. Students will not receive credit for both HIUS 103 and ETHN 103A.

HIUS 158/ETHN 130. Social and Economic History of the Southwest I (4)

This course examines the history of the Spanish and Mexican borderlands (what became the US Southwest) from roughly 1400 to the end of the U.S.-Mexico War in 1848, focusing specifically on the area's social, cultural, and political development.

Linguistics**LIGN 143. The Structure of Spanish (4)**

Surveys aspects of Spanish phonetics, phonology, morphology, and syntax. Topics include dialect differences between Latin American and Peninsular Spanish (both from a historical and contemporary viewpoint), gender classes, verbal morphology, and clause structure. **Prerequisites:** LIGN 101 or consent of instructor.

Literature**LTAM 110. Latin American Literature in Translation (4)**

Reading of representative works in Latin American literature with a view to literary analysis (form, theme, meaning), the developmental processes of the literature, and the many contexts: historical, social, cultural. Texts may be read in English. May be repeated for credit as topics vary.

LTCS 119. Asian American Film and Media (4)

(Cross-listed with CGS 119.) The course explores the politics of pleasure in relation to the production, reception, and performance of Asian American identities in the mass media of film, video, and the internet. The course considers how the "deviant" sexuality of Asian Americans (e.g., hypersexual women and emasculated men) does more than uniformly harm and subjugate Asian American subjects. The texts explored alternate between those produced by majoritarian culture and the interventions made by Asian American filmmakers. Students may not receive credit for LTCS 119 and CGS 119.

LTEN 178. Comparative Ethnic Literature (4)

A lecture-discussion course that juxtaposes the experience of two or more US ethnic groups and examines their relationship with the dominant culture. Students will analyze a variety of texts representing the history of ethnicity in this country. Topics will vary.

LTSP 135A. Mexican Literature before 1910 (4)

Explores the relationships among cultural production, politics, and societal changes in Mexico before the 1910 Revolution, specifically the roles of intellectuals and popular culture in nation-building and modernization. Readings may include didactic literature and historiographic writings, forms of popular discourse, as well as novels and poetry. May be taken for credit two times as topics vary. **Prerequisites:** LTSP 50A or 50B or 50C, or consent of instructor.

LTSP 159. Methodological Approaches to the Study of History and Culture in Latin America and the Caribbean (4)

An introduction to methodological and historical trends in Latin American and Caribbean cultural and literary studies. This course includes cultural representations from Latin America and the Caribbean such as film, literature, art, music, and/or photography. May be taken for credit two times as topics vary. **Prerequisites:** LTSP 50A or 50B or 50C, or consent of instructor.

Music**MUS 126. Blues: An Oral Tradition (4)**

This course will examine the development of the Blues from its roots in work-songs and the minstrel show to its flowering in the Mississippi Delta to the development of Urban Blues and the close relationship of the Blues with Jazz, Rhythm and Blues, and Rock and Roll. (Cross-listed with ETHN 178.) **Prerequisites:** none.

MUS 137A. Jazz Theory and Improvisation (4)

Study of jazz theory and improvisation, focused on fundamental rhythmic, harmonic, melodic, and formal aspects of modern jazz style. Application of theoretical knowledge to instruments and concepts will be reinforced through listening, transcription work, and composition and improvisation exercises. First course of a yearlong sequence. **Prerequisites:** MUS 2A-B-C, proficiency exam, or consent of instructor.

Political Science**POLI 108. Politics of Multiculturalism (4)**

This course will examine central issues in debates about race, ethnicity, and multiculturalism in the United States. It will look at relations not only between whites and minorities, but also at those among racial and ethnic communities. **Prerequisites:** upper-division standing. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

POLI 134D. Selected Topics in Latin American Politics (4)

A comparative analysis of contemporary political issues in Latin America. Material to be drawn from two or three countries. Among the topics: development, nationalism, neoimperialism, political change. May be taken for credit two times. **Prerequisites:** upper-division standing.

POLI 146A. The U.S. and Latin America: Political and Economic Relations (4)

An analytical survey of US relations with Latin America from the 1820s to the present, with particular emphasis on the post-Cold War environment. Topics include free trade and economic integration; drugs and drug trafficking; illegal migration and immigration control. Focus covers US policy, Latin American reactions, dynamics of cooperation, and options for the future.

Sociology**SOCI 117. Language, Culture, and Education (4)**

(Same as EDS 117.) The mutual influence of language, culture, and education will be explored; explanations of students' school successes and failures that employ linguistic and cultural variables will be considered; bilingualism; cultural transmission through education. **Prerequisites:** upper-division standing. Will not receive credit for SOCI 117 and SOCB 117.

SOCI 125. Sociology of Immigration (4)

Immigration from a comparative, historical, and cultural perspective. Topics include factors influencing amount of immigration and destination of immigrants; varying modes of incorporation of immigrants; immigration policies and rights; the impact of immigration on host economies; refugees; assimilation; and return migration. **Prerequisites:** upper-division standing. Will not receive credit for SOCI 125 and SOCB 125.

SOCI 151. Social Movement from Civil Rights to Black Lives Matter (4)

A treatment of selected social movements dealing primarily with the struggles of African-Americans, Hispanics, and women to change their situation in American society. **Prerequisites:** upper-division standing. ****Course can overlap with Diversity, Equity, and Inclusion (DEI) University requirement.**

Visual Arts

VIS 126P. Latin American Art: Modern to Postmodern, 1890–1950 (4)

A survey of major figures and movements in Latin American art from the late-nineteenth century to the mid-twentieth century. **Prerequisites:** upper-division standing.

REGIONAL SPECIALIZATION - ASIA: **(COURSES MUST BE UPPER-DIVISION):**

Chinese Studies

CHIN 100AN. Third Year Chinese—Nonnative speakers I (4)

Intermediate course of Chinese for students with no background. First course of third year of one-year curriculum that focuses on listening, reading, and speaking. Emphasizing the development of advanced oral, written competence, and aural skills in Mandarin. Topics include education, literature, history of Chinese language and society. Students may not receive duplicate credit for both CHIN 111 and CHIN 100AN. **Prerequisites:** CHIN 23, CHIN 20CN, or department stamp.

CHIN 185A. Readings in Chinese Culture and Society (4)

Designed for students who want advanced language skills, this course will enlarge students' vocabulary and improve students' reading skills through studies of original writings and other media on Chinese culture and society, past and present. **Prerequisites:** CHIN 113, CHIN 100CM, CHIN 100CN, or department stamp.

Communication

COMM 106C. CI: History Through Comics—Japan (4)

Pasts have been conveyed through various media for millennia. This course will use comics to explore how this medium impacts how we might learn and understand Japanese history. Topics discussed include memory, storytelling, perspective, and visuality. **Prerequisites:** COMM 10.

History

HIEA 137. Women and the Family in Chinese History (4)

The course explores the institutions of family and marriage, and women's roles and experiences within the family and beyond, from classical times to the early twentieth century. +

Linguistics

Linguistics/Heritage Languages (LIHL) 112F. Filipino for Filipino Speakers (4)

For students who comprehend informal spoken Filipino but wish to improve their communicative and sociocultural competence and their analytic understanding. Language functions for oral communication, reading, writing, and family life/festivals; dialect and language style differences; structure and history of Filipino. May not receive credit for both LIHL112 and LIHL112F. Courses may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

Linguistics/Heritage Languages (LIHL) 114F. Vietnamese for Vietnamese Speakers (4)

For students who comprehend informal spoken Vietnamese but wish to improve their communicative and sociocultural competence and their analytic understanding. Language functions for oral communication, reading, writing, and family life/festivals; dialect and language style differences; structure and history of Vietnamese. LIHL 114F, LIHL 114W, and LIHL 114P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

Linguistics/Heritage Languages (LIHL) 119F. Hindi for Hindi Speakers (4)

For students who comprehend informal spoken Hindi but wish to improve their communicative and sociocultural competence and their analytic understanding. Language functions for oral communication, reading, writing, and family life/festivals; dialect and language style differences; structure and history of Hindi. LIHL 119F, LIHL 119W, and LIHL 119P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

Linguistics/Heritage Languages (LIHL) 124F - Linguistics/Advanced Vietnamese for Vietnamese Speakers: See dept website for details: <http://ling.ucsd.edu/language/hlp-vietnamese.html>

Linguistics/Heritage Languages (LIHL) 132F. Advanced Filipino for Filipino Speakers (4)

Instruction stresses language function required for advanced oral communication, reading, writing, and cultural understanding in professional contexts, with emphasis on domestic culture. High-level vocabulary and texts; dialect differences and formal language styles (registers). Advanced structural analysis and history of Filipino. LIHL 132F, LIHL 132W, and LIHL 132P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

Linguistics/Heritage Languages (LIHL) 134F. Advanced Vietnamese for Vietnamese Speakers (4)

Instruction stresses language function required for advanced oral communication, reading, writing, and cultural understanding in professional contexts, with emphasis on domestic culture. High-level vocabulary and texts; dialect differences and formal language styles (registers). Advanced structural analysis and history of Vietnamese. LIHL 134F, LIHL 134W, and LIHL 134P may be taken in any order. **Prerequisites:** upper-division standing or consent of instructor; appropriate proficiency for level.

LTCH 101. Readings in Contemporary Chinese Literature (4)

Intended for students who have the competence to read contemporary Chinese texts, poetry, short stories, and criticism in vernacular Chinese. May be repeated for credit as topics vary.

LTEA 120B. Taiwan Films (4)A survey of "New Taiwan Cinema" of the eighties and nineties. Priority may be given to Chinese studies majors and literature majors. Repeatable for credit when topics vary.

LTEA 138. Japanese Films (4)

An introduction to Japanese films. Attention given to representative Japanese directors (e.g., Ozu), form (e.g., anime), genre (e.g., feminist revenge horror), or historical context in which films are produced. Priority may be given to Japanese studies majors and literature majors.

Political Science

POLI 113A. East Asian Thought in Comparative Perspective (4)

This course examines the major traditions of East Asian thought in comparative perspective. Topics include Confucianism, Taoism, Buddhism, and contemporary nationalist and East Asian political thought. Throughout, focused comparisons and contrasts will be made between western and eastern thought. **Prerequisites:** upper-division standing.

Visual Arts

VIS 103B. Architecture and Urbanism of Korea (4)

Covering the evolution of architecture and urban developments in South and North Korea since 1953. The course will examine how both states have shaped their political, economic, and cultural conditions. In particular, we will compare the apartment block communities, national identity architecture, and thematic architecture for entertainment and political propaganda. We will look at how traditional Korean architecture and urban structures were modified for modern life and political economy. Renumbered from VIS 127I. Students may not receive credit for VIS 103B and VIS 127I. **Prerequisites:** upper-division standing.

VIS 127N. Twentieth-Century Art in China and Japan (4)

Surveys the key works and developments in the modern art and visual culture of Japan from Edo and Meiji to the present and of China from the early-twentieth century to contemporary video, performance, and installation art. Recommended preparation: VIS 21B. **Prerequisites:** upper-division standing.