FILM 60. Sound for Motion Pictures (3)
Lec-3, field trips
Prereq.: FILM 24 and 25 (concur.)
Films, field trips, lectures, and work projects covering all stages of a motion picture sound track. Demonstrations of recording techniques and equipment, transferring, editing, and mixing. Synchronized sound location recording. Computer-based audio editing programs. CSU

FILM 75. Screenwriting (3)
Lec-3, field trips
An intensive course in motion picture screenwriting for documentary, educational, industrial, and feature films. Lectures, films, weekly assignments and evaluation designed to enhance individual skills in professional screen writing. Students write scripts that can be produced in advanced filmmaking courses. CSU

FILM 100. Film Production Laboratory (0)
Lab-8
Coreq.: FILM 24, 25, 54, 55, 60, 124, 126, 131, or 175
Supervised production facilities and equipment use for completion of production assignments in FILM classes. CSU

FILM 124A. Film Production Workshop (3)
Lec-2, conf-1, lab-4
Prereq.: FILM 24, 55, and 60
Practical experience in actual film production; emphasis on use of professional production techniques, especially in handling various 16mm cameras and sound equipment. Students create 16mm sound films either as a personal project or as part of a small unit working on short instructional films. CSU/UC

FILM 124B. Film Production Workshop (3)
Lec-2, conf-1, lab-4, field trips
Prereq.: FILM 124A
Repeat: max. 6 units
Additional practical experience in two principal areas of film production, at least one of which will include some synchronized sound; completing a self-generated film project, and working as part of a production unit. Emphasis on professional production quality. CSU/UC

FILM 126. Documentary Filmmaking (3)
Lec-3, field trips
Prereq.: FILM 24
Basic production skills for a short 16mm or video documentary film, from writing a proposal to making a successful answer print, including the use of sync sound. Screenings of films and discussions explore the nature, limits, aesthetics, and ethics of documentary filmmaking. CSU

FILM 131. Directing Motion Pictures (3)
Lec-3, field trips
Prereq.: FILM 24 and 25
Function of the director; manipulation of space and time; problems in continuity; script planning and blocking; handling of actors and crew. CSU

FILM 136. Special Effects (3)
Lec-3
A survey of the history, evolution of traditional motion picture special effects from their beginnings to the present. Hands-on training in the optical printer, rotoscope, and animation stand. Hands-on training in digital special effects creation including bluescreen cinematography; applying digital effects filters and multi-layer image composting in a digital processor (Avid, Media 100, and/or Premiere/AfterEffects). Discussion of CGI (computer generated imagery), 3-D animation techniques, and pertinent multimedia issues. CSU

FILM 170. Film/Video Work Experience (2)
Conf-1, work-10
Prereq.: FILM 24, 25, 55, and 60; and FILM 30, 54, 124, or 126
Supervised, paid or unpaid work in the film/video industry or related projects. Most jobs, including on-site supervision, must be arranged by the student, subject to faculty approval. CSU

FILM 175A. Film/Video Independent Study (2)
Ind st-5
CR/NCR avail.
Prereq.: FILM 24, 25, 54, 55, and 60; and FILM 30, 75, 124, or 126
Individual film/video projects or participation in group productions including personal filmmaking, scriptwriting, serving as crew on other students' films, and similar situations, subject to faculty approval. Work progress supervised by faculty. CSU

FILM 175B. Film/Video Independent Study (2)
Ind st-5
CR/NCR avail.
Prereq.: FILM 175A (118A)
Repeat: max. 4 units
Continuation of projects-in-progress from FILM 175A or begin new film/video projects. CSU

Foreign Languages Announcement of Courses

(See specific course entries for American Sign Language, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Filipino, Russian and Spanish.)

In foreign language courses, the course numbers and letters follow in sequence. A student who has completed a course with a grade of A, B, C, or CR may not re-register for the same course (unless repetition is specifically permitted), nor may he/she register for a course with a lower number or letter.

For foreign language studies abroad, contact the International Education Coordinator, 239-3778.

Foreign Literature and Culture Courses Offered in English

No knowledge of a language other than English is required in any of the following courses.
CREDIT, DEGREE APPLICABLE COURSES:

CHIN 29A-29B. Chinese Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
Reading and discussion of representative works in English translation. CSU/UC

CHIN 39. Major Achievements of Chinese Thought and Culture (3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
No knowledge of Chinese required. Not open to students who are enrolled in or who have completed CHIN 49
Consideration of the humanistic traditions of China, the most recent archaeological discoveries, and their relation to those of other countries in East Asia. CSU/UC

CHIN 49. Major Achievements of Chinese Thought and Culture (3)
Lec-3 CR/NCR avail.
No knowledge of Chinese required. Not open to students who are enrolled in or who have completed CHIN 39
Consideration of the humanistic traditions of China, the most recent archaeological discoveries, and their relation to those of other countries in East Asia. CSU

FREN 39A-39B-39C. French Literature in Translation (3-3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
No knowledge of French required.
Non-sequential
Reading of representative works in English translation. CSU/UC
39A. French literature of the 19th century.
39B. French literature of the 20th century.
39C. French literature of the 17th and 18th centuries.

GERM 39A-39B. German Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
Reading and discussion of important works of German literature in English translation. CSU/UC
39A. German literature to the mid-19th century.
39B. German literature from the mid-19th century to the present.

JAPA 39. Japanese Culture and Civilization (3)
Lec-3 CR/NCR only
Advis: Eligible for ENGL 1A
Not open to students who are enrolled in or have completed JAPA 49
A consideration of the major achievements of Japanese culture as reflected in language, literature, art, religion and daily life. CSU

JAPA 49. Japanese Culture and Civilization (3)
Lec-3 CR/NCR avail.
Not open to students who are enrolled in or have completed JAPA 39
A consideration of the major achievements of Japanese culture as reflected in language, literature, art, religion and daily life. CSU

PIL 39A-39B. Pilipino Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
Reading and discussion of important works of Philippine literature in English translation. CSU
PIL 39A. Philippine literature to 1940
PIL 39B. Philippine literature from 1940 to the present

RUSS 39A-39B. Russian Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
RUSS 39A not prerequisite to RUSS 39B
No knowledge of Russian required.
Reading and discussion of Russian literature in English translation. CSU/UC
RUSS 39A. Russian literature and selected authors of the twelfth to nineteenth centuries, with main emphasis on the 19th century.
RUSS 39B. Russian literature and selected authors of the twentieth century.

FREN 41. Culture and Civilization of France (3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
No knowledge of French required.
The history, geography, social institutions, literature, art, architecture, and music of France from their beginnings to the First World War. CSU/UC

FREN 42. Contemporary French Culture and Civilization (3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
May not be offered every semester
Aspects of French culture and civilization from the entre-deux-guerres period to the present. Insights into the historical and traditional forces which have contributed to the current and emerging conditions of France. CSU/UC

RUSS 41. Russian Culture and Civilization (3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
No knowledge of Russian required.
A consideration of the major achievements of Russian culture as reflected in language, literature, art, philosophy, religion and daily life. CSU/UC
SPAN 39A-39B. Contemporary Spanish-American Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Reading and discussion of representative works in English translation. CSU/UC

SPAN 39A. Contemporary Spanish-American literature from the late 19th century to 1940.
SPAN 39B. Contemporary Spanish-American literature from 1940 to the present.

SPAN 39C-39D. Spanish Literature in Translation (3-3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
Reading and discussion of representative works of peninsular Spanish literature in English translation. CSU/UC

SPAN 39C. Spanish literature from its beginnings through the Renaissance and the Golden Age.
SPAN 39D. Spanish literature of the 19th and 20th centuries.

SPAN 41. Culture and Civilization of Spain (3)
Lec-3 CR/NCR avail.
Advis: Eligible for ENGL 1A
Aspects and achievements of the culture and civilization of Spain as reflected in its geography, history, language, literature, governmental and social institutions, art, architecture, music, religion, and daily life. CSU/UC

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French
Announcement of Courses

Students of beginning French are directed to consider French courses numbered 1, 1A, 10A.

CREDIT, DEGREE APPLICABLE COURSES:

FREN 1. Elementary French (5)
Lec-5, lab-2 CR/NCR avail.
Advis: Completion of ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course.
Beginner's course: Grammar, composition, and reading. Practice in speaking and understanding French. CSU/UC/CAN: FREN 2; FREN 1+2: FREN SEQ A

FREN 1A-1B. Elementary French (3-3)
Lec-3, lab-2 CR/NCR avail.
Advis: FREN 1A: Completion of ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course
Prereq: FREN 1B: FREN 1A
Grammar, composition, and reading. Practice in speaking and understanding French. CSU/UC/CAN: FREN 2; FREN 1A+1B+2A+2B: FREN SEQ A
FREN 1A-1B = FREN 1

FREN 2. Continuation of Elementary French (5)
Lec-5, lab-2 CR/NCR avail.
Prereq: FREN 1 or 1B
Second semester course: Continuation of elementary grammar, composition and reading. Continued practice in speaking and understanding French. CSU/UC/CAN: FREN 4; FREN 1+2: FREN SEQ A

FREN 2A-2B. Continuation of Elementary French (3-3)
Lec-3, lab-2 CR/NCR avail.
Prereq: FREN 2A: FREN 1 or 1B; FREN 2B: FREN 2A
Continuation of elementary grammar. Composition and reading. Continued practice in speaking and understanding French. CSU/UC/CAN: FREN 4; FREN 1A+1B+2A+2B: FREN SEQ A
FREN 2A-2B = FREN 2

FREN 3. Intermediate French (1-5)
Lec-1 to 5, lab-1 CR/NCR avail.
Prereq: FREN 2 or 2B
Third semester course: Review of grammar and composition; reading of cultural materials. Constant practice in the use and comprehension of the spoken language. Conducted in French. A mastery-learning course divided into five modules. CSU/UC/CAN: FREN 8; FREN 3+4: FREN SEQ B

FREN 3A-3B. Intermediate French (3-3)
Lec-3, lab-1 CR/NCR avail.
Prereq: French 2 or 2B
Non-sequential
Review of grammar and composition; reading of cultural materials. Constant practice in the use and comprehension of the spoken language. Conducted in French. CSU/UC/CAN: FREN 8; FREN 3A-3B = FREN 3; FREN 3A+3B+4A+4B: FREN SEQ B

FREN 4. Continuation of Intermediate French (3)
Lec-3, lab-1 CR/NCR avail.
Prereq: FREN 3 or 3B
Fourth semester course: Reading of representative literary works; review of grammar and composition. Increased emphasis on speaking. Conducted in French. CSU/UC/CAN: FREN 10; FREN 3+4: FREN SEQ B

FREN 10A. Beginning Conversational French (3)
Lec-3, lab-2 CR/NCR avail.
Open to all beginning students. Recommended for students enrolled in FREN 1 or 1A. Not open to native speakers of French.
Beginner's course: Extensive oral training in French. Emphasis on practical vocabulary and idiom rather than formal grammar and literature. CSU

FREN 10B. Continuation of Beginning Conversational French (3)
Lec-3, lab-2 CR/NCR avail.
Prereq: FREN 10A or equivalent
Not open to native speakers of French. Recommended for students enrolled in FREN 2 or 2A.
Second semester course: Continuation of extensive oral training in French. Emphasis on practical vocabulary and idiom rather than formal grammar and literature. CSU

FREN 10C. Intermediate Conversational French (3)
Lec-3, lab-2 CR/NCR avail.
Prereq: FREN 10B or equivalent
Not open to native speakers of French. Recommended for students enrolled in FREN 2 or 2A.
Continuation of extensive oral training in French. Designed for students who wish to continue acquiring more advanced skills of the spoken language with a minimum of formal grammar. CSU
FREN 10D. Continuation of Intermediate Conversational French (3)
Lec-3, lab-2 CR/NCR avail.
Prereq.: FREN 10C or equivalent
Not open to native speakers of French. Recommended for students enrolled in FREN 2B or 3A.
Continuation of extensive oral training in French for students who wish to continue acquiring more advanced skills of the spoken language with a minimum of formal grammar. CSU

FREN 10E. Continuation of Intermediate Conversational French (3)
Lec-3, lab-2 CR/NCR avail.
Prereq.: FREN 10D
Not open to native speakers of French. Recommended for students enrolled in FREN 3 or 3B.
Continuation of extensive oral training in French for students who wish to continue acquiring more advanced skills of the spoken language with a minimum of formal grammar. CSU

FREN 11A-11B. Advanced Conversational French (3-3)
Lec-3, lab-2 CR/NCR avail.
Prereq.: French 10E or eligible for FREN 4
Non-sequential
Extensive oral training in French for students who wish to continue acquiring more advanced skills of the spoken language with a minimum of formal grammar. CSU/UC

FREN 20. Independent Studies in French (1)
Lec-1 CR/NCR avail.
Prereq.: Completion of FREN 3A, 3B, or 4 or equivalent
May not be offered every semester.
Repeat: max. 3 units
An individualized study program for improving reading and writing skills in the French language. CSU/UC

FREN 21. French for Business (3)
Lec-3 CR/NCR avail.
Prereq.: FREN 2 or 2B or equivalent
May not be offered every semester
Intermediate course in basics of financial and business vocabulary, business correspondence skills and French business practices. CSU

FREN 22. Grammar Review and Composition (3)
Lec-3, lab-2 CR/NCR avail.
Prereq.: FREN 4 or equivalent
May not be offered every semester
Advanced review of grammar and composition with attention to style, vocabulary development, and more advanced grammatical structure, taught entirely in French. CSU/UC

FREN 23. French Phonetics (2)
Lec-2, lab-1 CR/NCR avail.
Prereq.: Completion of FREN 10C or 2A
May not be offered every semester
Introduction to the French phonological system with attention given to spoken French and its differences with written French. Emphasis on skills of pronunciation, oral expression and comprehension rather than on conversation or discussion. CSU

FREN 39A-39B-39C. French Literature in Translation (3-3-3)
Lec-3 CR/NCR avail.
Adviser: Eligible for ENGL 1A
Non-sequential
No knowledge of French required
Reading of representative works in English translation. CSU/UC
39A. French literature of the 19th century.
39B. French literature of the 20th century.
39C. French literature of the 17th and 18th centuries.

FREN 41. Culture and Civilization of France (3)
Lec-3 CR/NCR avail.
Adviser: Eligible for ENGL 1A
No knowledge of French required.
May not be offered every semester
The history, geography, social institutions, literature, art, architecture, and music of France from their beginnings to the First World War. CSU/UC

FREN 42. Contemporary French Culture and Civilization (3)
Lec-3 CR/NCR avail.
Adviser: Eligible for ENGL 1A
May not be offered every semester
Aspects of French culture and civilization from the entre-deux-guerres period to the present. Insights into the historical and traditional forces which have contributed to the current and emerging conditions of France. CSU/UC

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Gay, Lesbian and Bisexual Studies
Announcement of Courses

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CREDIT, DEGREE APPLICABLE COURSES:

GLST 5. Introduction to Lesbian, Bisexual, Gay and Transgender Studies (3)
Lec-3, field trips CR/NCR avail.
This introductory course examines a broad range of contemporary gay, lesbian, bisexual and transgender issues in various contexts, including bio-medical, sociological, political, racial and sexual. Additionally, students have the opportunity to develop critical thinking skills and practical academic skills vital for further progress in the program. Students leave the course with practice in essay writing, exam preparation, literature analysis and become familiar with academic resources available to them through local archives, libraries and the internet. CSU/UC

GLST 10. Lesbian and Gay Culture and Society (3)
Lec-3 CR/NCR avail.
Distinct styles in dress, manner, and taste have played a central role in the development of lesbian and gay community, identity and culture. This course examines significant styles from leather to lipstick and from drag to disco and assesses the evolution of sensibility and identity in various lesbian and gay cultures and communities. CSU
GLST 20. Lesbians and Gays in Modern American Culture: The Homosexualization of American Art (3)
Lec-3 CR/NCR avail.
Lesbian and gay American artists of the late 19th and 20th centuries and their influences on modern art. This course analyzes the contribution of lesbian and gay artists— and the poets, dancers and writers with whom they associated— on the development of American art. It seeks to restore the specifically lesbian or gay voices of some of the most talked about figures in American cultural history, from Thomas Eakins to Jasper Johns, against the background of the lesbian and gay movement. CSU/UC

GLST 21. Issues in Lesbian Relationships (3)
Lec-3 CR/NCR avail.
Exploration of the history, culture, and psychological dynamics of lesbian relationships. Emphasis on the central issues of intimacy and commitment as well as the sociological effect of homophobia and minority status within the lesbian dyad. CSU

GLST 24. Gay Male Relationships (3)
Lec-3 CR/NCR avail.
Theoretical and practical interdisciplinary examination of the issues and dynamics specific to gay male couples. Major emphasis on historical, psychological, and socio-cultural factors. CSU

GLST 25. The Lesbian and Gay Avant-Garde of the Fifties: Hot Art and Cold War (3)
Lec-3 CR/NCR avail.
Lesbian and gay artists of the post-war American avant-garde. This course examines major works of art, music, dance, photography, poetry, and film from the Fifties and early Sixties. In considering the work of artists as diverse as John Cage, Louise Nevelson, and Andy Warhol, it analyzes the importance of lesbian and gay figures within the avant-garde and the significance of their contributions to American culture during this repressive period. CSU/UC

GLST 30. Issues in the Lesbian Community (3)
Lec-3 CR/NCR avail.
Historical analysis and examination of issues central to the development of lesbian identity, culture, and relationships; exploration and debate of current controversial issues in the political, social, and personal realms of lesbian experience CSU/UC

GLST 40. Lesbian and Gay Aging Issues (3)
Lec-3, field trips CR/NCR avail.
An exploration of the lesbian and gay dimensions of aging. Basic concepts in aging are presented and delineated, using examples drawn from autobiographical sources. Existing lesbian and gay institutions and programs that focus on aging are described, current research in lesbian and gay aging is reviewed, and future trends discussed. CSU

GLST 50. Gay/Lesbian/Bisexual/Transgender Communities of Color in the U.S. (3)
Lec-3 CR/NCR avail.
Examination of the formation of lesbian/gay/bisexual and transgender identities and communities among people of color in the United States. Included are African Americans, Native Americans, Asian Americans, Pacific Islanders, and Chicano/Latinos. CSU/UC

GLST 55. Modern Queer Global Voices (3)
Lec-3 CR/NCR avail.
Is there such a thing as a global queer culture? Do gay, lesbian, bisexual and transgender people from different global regions have different queer cultural norms or is there something that unites queer people despite their regional difference? This class employs film, documentary, photography, art, music and literature to allow students to compare and contrast contemporary queer subcultures from four (4) separate regions of the globe. CSU/UC

GLST 60. Psychology of Sexual Minorities (3)
Lec-3 CR/NCR avail.
Examination of the psychological experience of lesbian, gay, bisexual, transgendered (LGBT) and homophobic people. Impact of additional minority identities (e.g., ethnicity, aging, HIV status and spirituality) on LGBT identities. Influence of psychology and psychiatry on shaping experience of LGBT people and people with multiple minority identities. Students will gain experience in essay writing, exam preparation, and literature. CSU/UC

GLST 70. AIDS in America (3)
Lec-3 CR/NCR avail.
Exploration of the sociological, political and medical dimensions of AIDS. Emergence of AIDS into the American psyche, noting critical moments in the story of AIDS such as defining of risk factors, the discovery of a test for HIV antibodies, and the impact of public figures coming out as HIV positive. Examination of how AIDS and its metaphors has changed, focusing on ethical and legal issues of today and tomorrow. CSU/UC

ANTH 20. Anthropology of Homosexualities (3)
Lec-3 CR/NCR avail.
The roles and statuses of homosexuals in various cultures throughout the world, drawing heavily on examples from non-Western peoples, like those in Native American, Middle Eastern, African and Asian societies. Various aspects of culture which affect homosexuals’ status, such as economic participation, religion, social relationships, and attitudes toward sexuality, will be examined in detail. CSU/UC

BCST 106. Queer TV: Television and Lesbian and Gay Identity (3)
Lec-3 CR/NCR avail.
Advisory: Eligible for ENGL 96 and completion of SPCH 1A Examination of how gays, lesbians, bisexuals, and transgender people are represented in and by the mainstream electronic media with strong emphasis on television. CSU

BIO 15. The Biology of HIV (2)
Lec-2, field trips CR/NCR avail.
Introductory survey of the biology of human immunodeficiency virus (HIV) and AIDS. The life cycle of HIV and retroviruses; HIV transmission, epidemiology, immunology, and pathogenesis; and HIV prevention and treatment. CSU

ENGL 55. Survey of Gay and Lesbian Literature (3)
Lec-3 CR/NCR avail.
Prereq.: Eligible for ENGL 1A
A survey of gay and lesbian literature drawing on examples that present material relevant to present day experience. CSU/UC
ENGL 56A-C. Selected Topics in Gay and Lesbian Literature (3-3-3)
Lec-3  CR/NCR avail.
Prereq.: Eligible for ENGL 1A
No part of the ENGL 56 series is prerequisite to any other part.
Selected topics in gay and lesbian literature focusing on specific chronological, generic, thematic, biographical, or national cultural structures. CSU/UC
- ENGL 56A. The International Scene
- ENGL 56B. Contemporary Fiction
- ENGL 56C. American Classics

FILM 21A. Film History: Evolution of Film Expression—Homosexuality on Film (3)
Lec-3, field trips  CR/NCR avail.
Repeat: max. 6 units
Similar themes and approaches as in FILM 120A and 120B.
Review of treatment of homosexuality in mainstream films as well as study of films with specifically gay and lesbian content.
Study of homosexuality in films as an example of the role of film as a mass medium of communications in shaping public values and opinions. CSU/UC

FILM 21B. Film Expression: Homosexuality in Contemporary Film (3)
Lec-3, field trips  CR/NCR avail.
Repeat: max. 6 units
Contemporary film studied as a medium for artistic expression. Aesthetics of filmmaking, theories of camerawork and editing. Feature films and shorts shown in class for study and analysis.
Review of the treatment of homosexuality in mainstream, experimental, made-for-TV, and international films, along with study of films with specifically lesbian and gay content. Study of the portrayal of homosexuality on film as an example of the role of film, as a mass medium of communication, in the shaping of public values and opinions. CSU/UC

HLTH 20. Maintaining Sexual Well-Being (2)
Lec-2  CR/NCR avail.
A holistic approach to cultivating, maintaining, and balancing male and female sexual energies; investigation into the current role of sexual health with an emphasis on prevention and risk assessment and development of skills to put this knowledge into practice; all aspects of sexually transmitted diseases including AIDS. CSU

HLTH 25. Women's Health Issues (3)
Lec-3, field trips  CR/NCR avail.
A health class emphasizing the empowerment of each woman in the pursuit of her physical, mental, spiritual, and political health. Aimed at meeting the needs of women of diverse ethnic backgrounds and sexual orientations. Topics include: breast self-exam, menstrual health, reproductive management, motherhood, AIDS and STDs, menopause, violence against women, stress, nutrition, exercise, alternative health, and more. Course work involves research on personal health concerns. CSU/UC

HLTH 27. Men's Health Issues (3)
Lec-3  CR/NCR avail.
Consideration of physical, psychological, social and political influences on the health of men. This course is aimed at meeting the needs of participants with diverse ethnic backgrounds and sexual orientations. CSU/UC

HLTH 45. AIDS: The Epidemic (1)
Lec-1  CR/NCR avail.
Investigation of the physiological, emotional, social and cultural aspects of the AIDS epidemic with emphasis on risk assessment, prevention, and methods of coping. Includes basic biological and microbiological principles relating to AIDS. CSU

HIST 45. Lesbian and Gay American History (3)
Lec-3, field trips  CR/NCR avail.
A survey of the origins, development, and current status of the gay, lesbian, and bisexual reform and liberation movements in the United States during the last two centuries, with particular emphasis since the Second World War. The lives, communities, organizations, and resistance movements created by lesbian, gay, and bisexual peoples from diverse racial, ethnic, and class backgrounds. CSU/UC

LABR 91D. Gay and Lesbian Issues in the Workplace (1)
Lec-1  CR/NCR avail.
A survey of issues which affect gay and lesbian workers, including job discrimination and relevant legal protections, techniques for responding to harassment at work, and the use of negotiated grievance procedures and other contractual protections in a unionized workplace. Students will participate in role-playing and other classroom activities to develop effective personal and organizational approaches to on-the-job problems. CSU

MUS 27C. Music and Queer Identity (3)
Lec-3  CR/NCR avail.
Examination of the question of how music encodes "queerness" by focusing on various musical styles and musical performers that have become significant for various lesbian and gay communities. CSU

SOC 28. Dying and Death in Society (3)
Lec-3  CR/NCR avail.
Helpful for those in medical care, social services, counseling or for personal enrichment. Study of the various death systems common in America with special focus on San Francisco. Beliefs, attitudes, anxieties, and behaviors associated with dying, death and bereavement in terms of sociological theory. Guest speakers, film, history and literature are integrated in an interdisciplinary approach to cultural studies. CSU

TH A 18. Gay and Lesbian Drama in the Twentieth Century (3)
Lec-3  CR/NCR avail.
A survey of twentieth century gay and lesbian plays. Course content includes works that express homosexual themes and subject matter, works that express themes and subject matter particularly relevant to homosexual experience, works by homosexual playwrights, and works that contain at least one major character who is homosexual. CSU

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**Geography**

See Earth Sciences listings

**Geology**

See Earth Sciences listings
German

Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

Students of beginning German are directed to consider German courses numbered 1, 1A or 10A.

GERM 1. Elementary German (5)
Lec-5, lab-2  CR/NCR avail.
Advis: Completion of ENGL 94 or ESL 82 or higher or any City College or university foreign language course
Beginner's course: Grammar, composition, and reading; practice in speaking and understanding German. CSU/UC/CAN:
GERM 2; GERM 1+2: GERM SEQ A

GERM 1A-1B. Elementary German (3-3)
Lec-3, lab-2  CR/NCR avail.
Prereq.: GERM 1B: GERM 1A
Advis: Completion of ENGL 94 or higher or ESL 82 or higher or any City College or university foreign language course
Beginner's course: Grammar, composition and reading; practice in speaking and understanding simple German. CSU/UC/CAN: GERM 2; GERM 1A+1B+2A+2B: GERM SEQ A
GERM 1A-1B = GERM 1

GERM 2. Continuation of Elementary German (5)
Lec-5, lab-2  CR/NCR avail.
Prereq.: GERM 1 or 1B
Second semester course: Continuation of elementary grammar, composition and reading; practice in speaking and understanding German. CSU/UC/CAN: GERM 4; GERM 1+2: GERM SEQ A

GERM 2A-2B. Continuation of Elementary German (3-3)
Lec-3, lab-2  CR/NCR avail.
Prereq.: GERM 2A: GERM 1 or 1B;
GERM 2B: GERM 2A
Second or third semester course: Continuation of elementary grammar, composition and reading; practice in speaking and understanding German. CSU/UC/CAN: GERM 4; GERM 1A+1B+2A+2B: GERM SEQ A
GERM 2A-2B = GERM 2

GERM 3. Intermediate German (5)
Lec-5, lab-1  CR/NCR avail.
Prereq.: GERM 2 or 2B
Third semester course: Introduction to the reading of serious German prose. Grammar review and composition; constant practice in the use and comprehension of the spoken language. CSU/UC/CAN: GERM 8; GERM 3+4: GERM SEQ A

GERM 3A-3B. Intermediate German (3-3)
Lec-3, lab-1  CR/NCR avail.
Prereq.: GERM 2 or 2B
GERM 3A is not a prerequisite for GERM 3B. These courses may be taken non-sequentially.
Introduction to the reading of serious German prose. Grammar review and composition; constant practice in the use and comprehension of the spoken language. CSU/UC/CAN: GERM 8;
GERM 3A+3B+4: GERM SEQ B
GERM 3A-3B = GERM 3

GERM 4. Continuation of Intermediate German (5)
Lec-5, lab-1  CR/NCR avail.
Prereq.: GERM 3 or GERM 3A-3B
Extensive and intensive reading of modern German prose.
CSU/UC/CAN: GERM 10; GERM 3+4 or 3A+3B+4: GERM SEQ B

GERM 4A-4B. Continuation of Intermediate German (3-3)
Lec-3, lab-1  CR/NCR avail.
Prereq.: GERM 3 or 3A-3B
GERM 4A is not a prerequisite for GERM 4B. These courses may be taken non-sequentially.
Extensive and intensive reading of modern German prose.
CSU/UC/CAN: GERM 10
GERM 4A-4B = GERM 4

GERM 10A-10B. Beginning Practical Spoken German (3-3)
Lec-3, lab-2  CR/NCR avail.
Prereq.: GERM 10B: GERM 10A
Not open to native speakers of German
Extensive oral training in German; emphasis on practical vocabulary and conversational idiom. CSU

GERM 10C. Intermediate Conversational German (3)
Lec-3, lab-2  CR/NCR avail.
Prereq.: GERM 10B
Not open to native speakers of German
Recommended for students enrolled in GERM 2 or 2A
Third semester course: Continuation of extensive oral training in German. Emphasis on conversational idiom. Introduction to German customs, culture, civilization, and current affairs. Grammar analysis is kept to a minimum. CSU

GERM 10D. Continuation of Intermediate Conversational German (3)
Lec-3, lab-2  CR/NCR avail.
Prereq.: GERM 10C
Not open to native speakers of German
Recommended for students enrolled in GERM 2B or 3
Repeat: max. 6 units
Fourth semester course: Continuation of extensive oral training in German with emphasis on German customs, culture, civilization, and current affairs. Grammar analysis is kept to a minimum. CSU
GERM 11A-11B. Advanced Conversational German
(3-3)
Lec-3, lab-2
Prereq.: GERM 10D or eligible for GERM 4
GERM 11A is not a prerequisite for GERM 11B. These courses may be taken non-sequentially.
Extensive oral training in German. Designed for students who wish to continue acquiring more advanced skills of the spoken language. CSU/UC

GERM 39A-39B. German Literature in Translation
(3-3)
Lec-3
CR/NCR avail.
Advisory Eligible for ENGL 1A
GERM 39A is not a prerequisite to 39B
No knowledge of German required.
Reading and discussion of important works of German literature in English translation. CSU/UC
   GERM 39A. German literature to the mid-nineteenth century.
   GERM 39B. German literature from the mid-nineteenth century to the present.

Graphic Communications
Announcement of Curricula

General Information
The Graphic Communications Department provides instruction in graphic design, industrial design, electronic and traditional print production and print management. Successful completion of this program prepares students for entry-level employment or transfer to a four-year institution for further study. The program consists of degree curricula in graphic design and print production, credit certificate curricula in production art, prepress, press and print management, and a noncredit certificate program with an emphasis on offset printing technology. These programs are described on the following pages. Enrollment in the various program areas is open to all interested students.

Industrial Design. The Graphic Communications Department offers a concentration in Industrial Design, combining coursework in the Graphic Communications and Art Departments. The courses are accepted for credit by four-year institutions offering degree programs in Industrial Design. The program emphasis is on consumer product design, with development of skills related to materials selection, computer-aided design, manipulation and fabrication techniques, and the history and evolution of the profession through slide presentations, lectures, and field trips. Prospective students should meet with an advisor for more information on program specifics and articulation with four-year schools.

Graphic Design
Degree Curriculum
Associate in Arts Degree and Award of Achievement.
We are living in an information society—surrounded by an ever increasing number of words, pictures and sounds. The role of

the graphic designer is to form this information in a meaningful way, communicating ideas in the most effective manner possible.

The Graphic Design emphasis was created to provide students with a strong foundation in the major aspects of the design process. Students develop visualization skills, learn the elements of communication design and then apply this knowledge to a wide range of design problems. The program has a unique, hands-on approach, integrating conceptual design studies with traditional and electronic tools and production methods. In the fourth semester, students have the opportunity to further develop their skills through an in-house internship program that provides quality print pieces to the campus community. Program electives include Industrial Design, Art and Photography courses which serve to broaden the scope of learning. Prospective students are encouraged to meet with a program advisor to discuss articulation agreements and other program specifics.

This course of study is designed so that students may satisfy the requirements for graduation from the College. Students who satisfy academic requirements and complete the technical courses with final grades of C or higher receive an Associate of Arts Degree. Students receive an Award of Achievement in Graphic Communications when they complete the required program of study with final grades of B or higher.

Note: Due to the extensive use of materials in some of the classes listed below, you may be asked to pay a materials fee.

Courses Required for an Award of Achievement in Graphic Communications

EMPHASIS IN GRAPHIC DESIGN

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>GRPH 21 Visual Literacy</td>
<td>3</td>
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<tr>
<td>GRPH 23 Orientation to Design and Grph. Comm</td>
<td>2</td>
</tr>
<tr>
<td>GRPH 25 Intro. to Graphic Arts Microcomputer</td>
<td>3</td>
</tr>
<tr>
<td>GRPH 27 Survey of Print Production</td>
<td>4</td>
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<tr>
<td>Additional graduation requirements</td>
<td>5</td>
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Second Semester

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<th>Course</th>
<th>Units</th>
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<tr>
<td>GRPH 35 Graphic Design</td>
<td>3</td>
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<tr>
<td>GRPH 53A Type and Typography</td>
<td>3</td>
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<tr>
<td>GRPH 99A Electronic Page Composition</td>
<td>3</td>
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<tr>
<td>GRPH 100A Electronic-Aided Graphic Design</td>
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<tr>
<td>Additional graduation requirements</td>
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Third Semester

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GRPH 36 Publication Design</td>
<td>3</td>
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<tr>
<td>GRPH 53B Computer Typography</td>
<td>3</td>
</tr>
<tr>
<td>GRPH 78 Digital Scanning and Correction</td>
<td>2</td>
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<tr>
<td>Graphic Communications electives*</td>
<td>2</td>
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<tr>
<td>Additional graduation requirements</td>
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Fourth Semester

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<tbody>
<tr>
<td>GRPH 37 Graphic Design</td>
<td>3</td>
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<tr>
<td>GRPH 68 Design &amp; Prepress Production Lab</td>
<td>3</td>
</tr>
<tr>
<td>GRPH 98A Digital Imaging</td>
<td>3</td>
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<tr>
<td>Graphic Communications electives*</td>
<td>2</td>
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<tr>
<td>Additional graduation requirements</td>
<td>6</td>
</tr>
</tbody>
</table>

*Graphic Communications Electives (Graphic Design)

GRPH 68, 98B, 99B, 100B, 123A/B, 124, 140, 145, 148
Suggested Electives (Graphic Design)
ART 101-108 Art History† ........................................... 3
ART 125A Basic Design ........................................... 3
ART 130A Drawing ............................................... 3
ART 132A Figure Drawing ...................................... 3
ART140A Painting ................................................. 3
ART 150A Fine-Art Printmaking .............................. 3
ART 136A-C Illustration ....................................... 3
ARCH 31A History of Architecture† .......................... 3
ARCH 31B History of Architecture† .......................... 3
ARCH 32 Bay-Region Architecture† ......................... 3
BCST 101 Critical Television Viewing† .................... 3
BCST 103 Mass Media and Society† ........................ 3
BCST 104 Minorities and Mass Media† .................... 3
PHOT 50A History and Aesthetics of Photos† ........... 4
PHOT 50B History and Aesthetics of Photos† ........... 4
PHOT 51 Beginning Photography ............................ 2
PHYS 10 Conceptual Physics† ................................. 3
† Courses which satisfy General Education and Graduation Requirements for A.A. Degree

Print Production
Degree Curriculum
Associate in Science Degree and Award of Achievement.
In 1985, people began using the personal computer to prepare copy and art for printed pieces. For printers, this phenomenon called "desktop publishing" has evolved into the all-encompassing computer-based reality of electronic prepress.

Students seeking a degree in print production will learn both traditional and electronic skills to be versed in the technology of the industry as it exists today. Each area of prepress production — copy preparation and typesetting, camera, and film assembly—has basic concepts introduced using traditional production methods, followed by advanced study using electronic tools. All classes are taught with industry standards as a guide. Advanced students have the opportunity to develop their skills in an in-house internship program that provides quality print pieces to the campus community.

Students successfully completing the program are qualified for entry-level employment in service bureaus, prepress houses, small and large printing companies, bindery shops, and other allied businesses. Prospective students are encouraged to meet with a program advisor to discuss articulation agreements and other program specifics.

This course of study is designed so that students may satisfy the requirements for graduation from the College. Students who satisfy academic requirements and complete the technical courses with final grades of C or higher receive an Associate Degree. Students receive an Award of Achievement in Graphic Communications when they complete the required program of study with final grades of B or higher.

Note: Due to the extensive use of materials in some of the classes listed, you may be asked to pay a materials fee.

Courses Required for an Associate in Science in Graphic Communications

Emphasis in Traditional and Electronic Print Production
First Semester
Course  Units
GRPH 21 Visual Literacy ........................................ 3
GRPH 23 Orientation to Design and Grph. Comm. ........ 2
GRPH 25 Intro. to Graphic Arts Microcomputer .......... 3
GRPH 27 Survey of Print Production ....................... 4
Additional graduation requirements ..................... 5

Second Semester
GRPH 53A Type and Typography .............................. 3
GRPH 78 Digital Scanning and Correction .................. 2
GRPH 99A Electronic Page Composition ................... 3
Additional graduation requirements ..................... 6

Third Semester
GRPH 68 Design & Prepress Production Lab ............... 3
GRPH 70A Electronic Imposition .............................. 2
GRPH 72A Lithographic Duplicator Operation ............ 2
GRPH 98A Digital Imaging ..................................... 3
GRPH 100A Electronic-Aided Graphic Design
  or GRPH 99B Electronic Page Comp. ................... 3 or 2
  Additional graduation requirements .................... 4

Fourth Semester
GRPH 60 Product Finishing ................................. 2
GRPH 68 Design & Prepress Production Lab .............. 3
GRPH electives* .................................................. 5
Additional graduation requirements ..................... 6

*Graphic Communications Electives (Prepress)
GRPH 53B, 59, 84, 98B, 99B, 100B, 150, 148

Certificate Curricula
The Certificate Curricula consists of four programs of study: Production Art, Prepress, Press and Finishing and Print Management. Each is designed to prepare students to enter the workforce. For further information contact the Graphic Communications Department office, Visual Arts Room 141.

Requirements for the Certificate of Completion.
Students may obtain the Certificate of Completion in Graphic Communications by completing the courses in their program of study with the average final grade of C (2.0 grade-point average) or higher.

Certificate in Production Art (40 units)
First Semester
Course  Units
GRPH 21 Visual Literacy ........................................ 3
GRPH 23 Orient to Design & Graph Comm. .............. 2
GRPH 25 Intro to Graphic Arts Microcomputer ........... 3
GRPH 27 Survey of Print Production ....................... 4

Second Semester
GRPH 55 Graphic Design ....................................... 3
GRPH 53A Type & Typography .............................. 3
GRPH 78 Digital Scanning and Correction ............... 2
GRPH 99A Electronic Page Composition ................... 3
Third Semester
GRPH 70A Electronic Imposition ............................ 2
GRPH 98A Digital Imaging .................................. 3
GRPH 99B Electronic Page Composition .................. 2
GRPH 100A Electronic Aided Graphic Design .......... 3

Fourth Semester
GRPH 68 Design & Prepress Production Lab ............. 3
GRPH 98B Advanced Digital Imaging ..................... 2
GRPH 130 Digital Prepress Seminar .................... 3

Certificate in Prepress (36 units)
First Semester
Course | Units
--- | ---
GRPH 21 Visual Literacy ................................. 3
GRPH 23 Orientation to Design and Grph. Comm. ...... 2
GRPH 25 Intro. to Graphic Arts Microcomp. .......... 3
GRPH 27 Survey of Print Production .......................... 4

Second Semester
GRPH 55A Type and Typography .......................... 3
GRPH 78 Digital Scanning and Correction .............. 2
GRPH 99A Electronic Page Composition ................. 3
GRPH 100A Electronic Aided Graphic Design ........... 3

Third Semester
GRPH 68 Design & Prepress Production Lab ............. 3
GRPH 70A Electronic Imposition ............................ 2
GRPH 98A Digital Imaging .................................. 3
GRPH 100B Electronic Aided Graphic Design ........... 2
GRPH 130 Digital Prepress Seminar .................... 3

Certificate in Press and Finishing (23 units)
First Semester
Course | Units
--- | ---
GRPH 21 Visual Literacy ................................. 3
GRPH 23 Orientation to Design and Grph. Comm. ...... 2
GRPH 25 Intro. to Graphic Arts Microcomp. .......... 3
GRPH 27 Survey of Print Production .......................... 4

Second Semester
GRPH 59 Production Materials ........................... 2
GRPH 60 Product Finishing ................................ 2
GRPH 70A Electronic Imposition ........................... 2
GRPH 74A Lithographic Press Operation ................. 2
GRPH 69 Press Production Laboratory ................... 3

Certificate in Print Management (42 units)
First Semester
GRPH 21 Visual Literacy ................................. 3
GRPH 23 Orientation to Design and Grph. Comm. ...... 2
GRPH 25 Intro. to Graphic Arts Microcomp. .......... 3
GRPH 27 Survey of Print Production .......................... 4

Second Semester
GRPH 59 Production Materials ........................... 2
SUPV 221A Intro. to Supervision Management ........... 1.5
GRPH 84 Estimating and Costing .......................... 2
ACCT 50 Intro. to Accounting ............................ 4

Third Semester
GRPH 68 Design & Prepress Production Lab ............. 3
GRPH 82 Printing Management and Control ............. 3
SMBS 135 Ownership/Operation of Small Business ...... 3

Fourth Semester
GRPH 68 Design & Prepress Production Lab ............. 3
MRKT 122 Fundamentals of Salesmanship ................. 3
MRKT 140 Marketing ........................................ 3
SUPV 222A Communications for Supervision ............ 1.5

Offset Printing Technology
Noncredit Curriculum
The noncredit program in Offset Printing Technology prepares students for entry and mid-level positions in offset press operations. The length of the program is 4-1/2 to 9 months. Admission requires ESL level 6 or permission of instructor.

Requirements for the vocational certificate. Completion of required courses with a grade of C or higher. CASAS TEST “READING” score of 245 for ESL and non-college graduates. (College graduates not tested.)

Core Course | Hours
--- | ---
TIPL 9657 Offset Press Technology .......................... 576
TIPL 9660 Prepress Production ................................ 70
TIPL 9661 Microcomputers for Graphic Arts ................ 70
SECY 9374 Keyboarding ..................................... 90
GRPH 60 Product Finishing* ................................ 51
ESLB 3821 Intro Micros (ESL students only) ............... 90

* Credit class requires registration and tuition

Printing and Lithography
Noncredit Curriculum
IN-PLANT PRINTING
Program Goal. Prepares students for entry and mid-level positions in the graphic arts and printing industry.

Length of Program. One-two semesters.

Admission Requirements. Eighth grade reading, ESLN 3500 completed.

Core Course | Hours/Weeks
--- | ---
TIPL 9657 In-Plant Printing .................................. 180
TIPL 9660 Prepress Production ................................ 70
SECY 9348 Business English .................................. 90
SECY 9374 Keyboarding ....................................... 90
TIPL 9661 Microcomputers for Graphic Arts ............... 70
ESLB 3821 Intro to Micros/ESL Students ................... 90
Total .......................................................... 630

Requirements for Completion. Completion of required courses with a grade of C or higher.

Offered by: Mission Campus, 550-4392
Graphic Communications
Announcement of Courses

CREDIT, DEGREE APPLICABLE COURSES:

GRPH 21. Visual Literacy (3)
Lec-3, lab-3
Adviser: GRPH 23, GRPH 25 and/or GRPH 27 (concur.)
A visual fundamentals course for design and graphic communications students. Study of the principles of visual information organization and sketching techniques for the communication of visual ideas. Introduction to various techniques for problem-solving. CSU

GRPH 23. Orientation to Design & Graphic Communications (2)
Lec-2
A survey class designed to acquaint students with areas of study and employment in graphic design/illustration, industrial design, and print production. Guest appearances from practicing professionals and industry leaders. CSU

GRPH 25. Introduction to Graphic Arts Microcomputer (3)
Lec-3, lab-1
Adviser: type 30 wpm and concur. GRPH 21, 23, or 27
Graphic and typographic imaging for print production including computer operation techniques and an introduction to word processing, bit-mapped, and object-oriented graphics programs utilizing Macintosh computers. CSU

GRPH 27. Survey of Printing Production (4)
Lec-2, lab-6
A technical print production course designed to provide practical laboratory projects in graphic arts pasteup, camera, film assembly and press. Students begin projects in pasteup, using traditional production techniques, and complete them in the press area. CSU

GRPH 35. Graphic Design (3)
Lec-2, lab-4, field trips
Prereq.: GRPH 21 or ART 125 and 130
Studies in two- and three-dimensional design application to communication and functional concepts. The definition, research, and solution of applied design problems. Emphasis on the skills needed to visualize concepts in comprehensive layouts and presentations. Practical exercises and projects in layout, typography, identity programs, packaging, print media, and environmental graphics. Discussion of the social and ethical responsibilities of the graphic designer. CSU

GRPH 36. Publication Design (3)
Lec-2, lab-4
Prereq.: GRPH 35, 99A
An intermediate graphic design course focusing on publications and publication systems. The design process, typographic hierarchies, grid systems, and the strategies and techniques of publication design for non-printed and printed materials will be covered. CSU

GRPH 37. Graphic Design (3)
Lec-2, lab-4, field trips
Prereq.: GRPH 36
Stresses individually planned projects intended to result in portfolio-ready two- and three-dimensional design. CSU

GRPH 40. Digital Printing/Publishing (3)
Lec-3, lab-3, field trips
A technical course focusing on digital printing and publishing technology using a Xerox Docutech 135 system. Production concepts and practices including job programming, system features, maintenance, workflow management and customer service. CSU

GRPH 53A. Type and Typography (3)
Lec-2, lab-2
Prereq.: GRPH 21
Coreq.: GRPH 99A
A discussion of typography. Includes the historical development, classification systems, methods and mechanics of typography, and study of type designers. CSU

GRPH 53B. Computer Typography (3)
Lec-2, lab-2
Prereq.: GRPH 53A
Typographic design class using the computer. Students will design, execute, critique and redesign various typographic pieces. Emphasis will be given to the use and appreciation of type as an important element of graphic design. CSU

GRPH 59. Production Materials (2)
Lec-2
A comprehensive study of paper, ink, and allied materials used in the manufacture of the printed product. Classification, selection, identification, and use of materials and principles of purchasing them. CSU

GRPH 60. Product Finishing (2)
Lec-2, lab-1
Instruction and practice in commercial binding techniques, including assorted hand operations, mechanical binding, drill, and stitching set-up, operation of the paper cutter in finishing techniques, and operation of the folder. CSU

GRPH 68. Design and Prepress Production Laboratory (3)
Lec-4, lab-4
Prereq.: GRPH 21, 23, 25, 27, 99A
Repeat: max. 9 units
A special production laboratory in which advanced students use skills and techniques they have learned in previous courses. Production jobs will range from concept development through design, illustration, typesetting, pasteup, and film assembly, using traditional and electronic tools. CSU
GRPH 69. Press Production Laboratory (3)
Conf-1, lab-7
Prereq.: GRPH 72A, 74A, 60
Repeat: max. 9 units
A special production laboratory in which advanced students use the skills and techniques learned in press classes. Production jobs will range from simple one color work to more complex multicolor work. Students will become fluent on all models of presses in the shop. Students will learn methods of product finishing appropriate to the particular job. CSU

GRPH 70A. Electronic Imposition (2)
Lec-2, lab-1
Prereq.: GRPH 99A
Instruction in traditional and electronic methods of film assembly. Course work will include current imposition applications and the use of the image setter for outputting film. Practice also in masking and proofing film. CSU

GRPH 70B. Layout and Film Assembly (2)
Lec-1, lab-3
Prereq.: GRPH 70A
Continuation of layout and negative assembly, with emphasis on book imposition, including sheet-fed and web layouts, negative and positive color imposition, masking, and pin register. CSU

GRPH 72A. Lithographic Duplicator Operation (2)
Lec-1, lab-3
Prereq.: GRPH 27
Advise: ENGL 90 or ESL 72
Instruction and practice in duplicator reproduction including makes, models and sizes of duplicator presses, the make-ready, feeding, running, wash-up, maintenance and solving of operational problems; use of metal plates, register and color projects, ink mixing and paper problems. CSU

GRPH 74A. Lithographic Press Operation (2)
Lec-1, lab-3
Prereq.: GRPH 72A
Instruction and practice in lithographic press operation including types of equipment, design and operational differences, make-ready, feeding, running line and register work, and solving operational problems. CSU

GRPH 76A. Lithographic Two-Color Press (2)
Lec-1, lab-3
Prereq.: GRPH 74A
Instruction and practice in large two-color press operation including types and design of large equipment, operation of stream fed and pull guides, operational differences of modern dampening units, running color-register work and problems in attaining register and color density. CSU

GRPH 78. Digital Scanning and Correction (2)
Lec-2, lab-1
Prereq.: GRPH 25
Coreq.: GRPH 27
A course covering the theory and practice of scanning and correcting digital imagery for use in commercial printing processes. Line art, gray scale, duotone and process color will be covered. CSU

GRPH 82. Printing Production Management and Control (3)
Lec-3
An introduction to the coordination of machinery, supplies, processes, finances, and printed products in the printing industry. CSU

GRPH 84. Production Estimating and Costing (3)
Lec-3
Study and practice in estimating production costs of printed products as applied to printing simple and complex jobs. CSU

GRPH 91-92-93. Selected Topics in Printing (1-2-3)
Lec-1, 2, 3; lab-var
Repeat: if no content repeat
CR/NCR avail.
In-depth investigation of selected topics in printing. Current issues and innovations, expansion of subjects covered in introductory courses and exploration of new topics. CSU

GRPH 98A. Digital Imaging (3)
Lec-3, lab-1
Prereq.: GRPH 78
Intensive hands-on course using Adobe Photoshop. A broad understanding of raster image creation and editing is achieved through in-class projects. CSU

GRPH 98B. Advanced Digital Imaging (2)
Lec-2, lab-2
Prereq.: GRPH 98A
Advanced hands-on course using Adobe Photoshop. Creative projects are used to deepen the students' understanding of Photoshop as a creative tool. CSU

GRPH 99A. Electronic Page Composition (3)
Lec-3, lab-1
Prereq.: GRPH 25
Coreq.: GRPH 27
Advise: GRPH 21
Instruction and use of the most widely used typographic and page makeup programs in print communications: page layout, type specification, image manipulation, spot color separation, combining images and type. CSU

GRPH 99B. Electronic Page Composition (2)
Lec-2, lab-2
Prereq.: GRPH 99A
Advanced instruction and use of the most widely used typographic and page makeup programs in print communications: page layout, type specification, image manipulation, spot and process color separation, trapping, and page design. CSU

GRPH 100A. Electronic Aided Graphic Design (3)
Lec-3, lab-1, field trips
Prereq.: GRPH 25
Coreq.: GRPH 27
Introduction and application of graphic design and illustration programs used in the communications industry. Instruction in free form line drawing, technical illustration, image rendering, and manipulation. CSU
GRPH 100B. Electronic Aided Graphic Design (2)
Lec-2, lab-2, field trips
Prereq.: GRPH 100A
Continued study of the graphic design and illustration programs used in the communications industry. Emphasis on developing confidence and speed with improving skills to meet industry standards. CSU

GRPH 120. Digital Painting (3)
Lec-2, lab-2
Prereq.: GRPH 21 and 25
Introduction to and hands-on experience with the basic tools and techniques of painting, image composition, and simple animation. Focus on techniques of image creation using Painter 4.0 (Macintosh). CSU

GRPH 123A. Industrial Design (3)
Lec-2, lab-4, field trips
Prereq.: GRPH 21 or ART 125 or ARCH 20
Lab fee required
Historical evolution of industrial design from its inception through present concepts and trends. Student research, sketches and drawings will be used to manufacture products, utilizing various materials such as cardboard, modeling clay, plaster and plastics. Emphasis on technical development, design and problem solving as demonstrated by the finished assignments. CSU

GRPH 123B. Industrial Design Workshop (3)
Lec-2, lab-4, field trips
Prereq.: GRPH 123A
Repeat: max. 6 units
Lab fee required
Advanced study in designing and constructing utilitarian objects and prototypes; advanced exploration of materials and processes. Assigned and elective projects. CSU

GRPH 124. Computer Drawing for Industrial Design (3)
Lec-2, lab-4, field trips
Prereq.: GRPH 21 or Art 130A, and GRPH 25
An advanced Macintosh computer drawing class that builds on the knowledge and skills gained in the prerequisite courses. Exploration of drawing programs, use of a scanner for image manipulation, and model building techniques. Emphasis on technical computer drawing as related to industrial design. Construction of prototypes based on technical plan drawings. CSU

GRPH 130. Digital Prepress Seminar (3)
Lec-3, field trips
Prereq.: 98A, 99A, or 100A
The current state of the digital prepress industry and how it affects graphic artists and technicians. Focus on issues of trapping, file formats, proofing, communicating with a printer, and doing press checks. CSU

GRPH 133A. Visual Communication (3)
Lec-2, lab-4, field trips
Prereq.: ART 125 and 130
The theory, methods, and materials of various visual communication media. Problem analysis, mood, humor, and audience receptivity; application of these via story board techniques. Introductory experience with animation, shooting script, 16mm motion picture camera, slide-sound techniques, and as a crew member on a short motion picture production. Broad use of animated and live-action films and exposure to television equipment and spot commercials. CSU

GRPH 133B-133C. Visual Communication–Film Design (3-3)
Lec-2, lab-7, field trips
Prereq.: For GRPH 133B: GRPH 133A
For GRPH 133C: GRPH 133B

GRPH 133B. Application of basic visual communication principles to individual film productions using animation, live action, or experimental techniques. Use of story boards, production sheets, "cells" and other animation material, the animation camera and stand, spring-wound and power-driven movie cameras, and the interlock projector, 16mm equipment used exclusively. Basic film techniques. Experience as a crew member in group film productions. Professional evaluation of individual film finals. CSU
GRPH 133C. Emphasis on advanced problems in visual communication design. CSU

GRPH 140. Graphic Design for New Media (3)
Lec-3, lab-3, field trips
Prereq.: GRPH 35
Coreq.: IDST 130
The design process for interactive media: information design, content/structure relationships, interface design and navigation, and presentation design issues. The design and production of a prototype for a simple interactive project. CSU

GRPH 144. Designer/Photographer Team Workshop (2)
Lec-1, conf-1, lab-2, field trips
Prereq.: Completion of the required third semester courses in Graphic Communications
Professional-level development of the designer-photographer working team relationship. Simulated working conditions in advertising, publishing, public relations, and business. Assignments in which the designer directs the creation of photographic work through layouts. Emphasis on creative layouts which produce finished work suitable for portfolio use. CSU

GRPH 145. Publishing for New Media (3)
Lec-3, lab-3, field trips
Prereq.: GRPH 35 and either IDST 120 or GRPH 25
The design process for World Wide Web publishing. Analysis of the principles of print publishing as applied to the Web. Technical topics include bandwidth, graphic formats, type, and color. Design and maintenance of a Web publication as an ongoing project. CSU
GRPH 145A-145B. Work Experience (3-3)
Conf-1, work-10
Prereq.: Completion of the required third semester courses in Graphic Communications
While enrolled in GRPH 145A or 145B, students must carry a total of at least seven semester units and must have a portfolio of recent work ready at the start of the semester.
Supervised on-campus or off-campus employment in a branch of the professional arts or a closely allied field to which the student shows himself to be best adapted. CSU

GRPH 146A-146B. Advanced Independent Study (2-2)
Ind-st-10
Advise: For GRPH 146A: Min. 20 units of courses completed
For GRPH 146B: GRPH 146A
An opportunity for students to perform specialized studies in graphic communications with the guidance of an art instructor of their choice. CSU

GRPH 147. Adobe Acrobat (1)
Lec-1, lab-1
Prereq.: GRPH 25
Use of Adobe Acrobat to transform computer-generated documents into a portable document format that can be viewed and printed from any type of computer. Emphasis is placed on creating files that print accurately. CSU

GRPH 148. Professional Practice (2)
Lec-2
Prereq.: Completion of the required third semester courses in Graphic Communications
Advanced course for students in graphic design, illustration and prepress production. Discussion of resumed writing, freelancing, design business practices, job estimation, contracts and forms, portfolio presentation and professional standards. CSU

GRPH 150. Newspaper Production (2)
Lec-1, lab-3
Prereq.: GRPH 25 and 99A
Repeat: max. 8 units
General types and styles of newspapers, newspaper design, limitations of press equipment, and production methods used in newspaper publication. Focus will be on production of the college newspaper. CSU

GRPH 154. Hand Printed Book: Design and Production (3)
Lec-2, lab-4
Prereq.: ART 150A or GRPH 53A
Repeat: max. 9 units
The bookmaking process focusing on the design of pages using fine art printmaking combined with letterpress and digital typesetting technologies. Participation in the bookmaking process as author, illustrator, and publisher. Research on the history of the book and an examination of the book arts community in San Francisco and beyond. CSU
GRPH 154 = ART 154

GRPH 155. Bookbinding (3)
Lec-2, lab-4
Repeat: max. 9 units
Study and practice of bookbinding. First: basic structures and craftsmanship. Second: innovative bindings and conservation techniques. CSU
GRPH 155 = ART 155

GRPH 250. Computer Laboratory (0)
Lab-8
Prereq.: Concurrent enrollment in at least one computer course in graphic communications
An open laboratory in which students may complete their graphic communications assignments. CSU

NONCREDIT COURSES:
TIPL 9657. Offset Press Operations
An intensive course in the practice of commercial offset printing techniques, platemaking, and finishing procedures. Theory and lab include instruction on metal and photo-direct plates, various stock types, set-up, adjustment and maintenance of the press, ink-mixing and product finishing.

TIPL 9660. Prepress Production (70 hrs)
Coreq.: TIPL 9661
Instruction in basic design, layout, graphic arts camera, and prepress techniques. Topics will include film assembly, proofing, and plating.

TIPL 9661. Microcomputers for Graphic Arts (70 hrs)
Coreq.: TIPL 9660
Advise: Keyboarding or typing speed of 20-30 words per minute.
An introduction to and hand-on experience in a variety of prepress production software. The focus of the class is on acquiring basic Macintosh skills and basic design skills, including working with type in traditional and digital methods.

Greek
Announcement of Courses

CREDIT, DEGREE APPLICABLE

GREK 10A. Beginning Conversational Greek (3)
Lec-3, lab-2
Not open to native speakers of Greek
Beginner's course: Extensive oral practice in modern Greek. Emphasis on practical vocabulary and idiom rather than on formal grammar and literature. CSU

GREK 10B. Continuation of Beginning Conversational Greek (3)
Lec-3, lab-2
Prereq.: GREK 10A
Not open to native speakers of Greek
Second semester course: Continuation of oral practice of structures and vocabulary of spoken Greek. CSU
GREK 10C. Intermediate Conversational Greek (3)
Lec-3, lab-2 CR/NCR avail.
Prereq.: GREK 10B
Not open to native speakers of Greek
Third semester course: Designed for students who wish to acquire more advanced skills in conversational modern Greek.
CSU

Guidance
Announcement of Courses

CREDIT, NON-DEGREE APPLICABLE COURSES:

GUID G. Personal Career Planning (1)
See LERN 40.

GUID R. Orientation to College (1)
Lec-2 (8 wks) CR/NCR only
This course is designed to aid the student in academic, vocational, and personal development at the college. Orient students to the college community, its procedures and resources, the changing educational process with emphasis on the individual in the educational system.

GUID T. Orientation to College Transfer (2)
Lec-2 (8 wks)
Information regarding different segments of higher education.
Selection of a major, development of an academic plan (transfer contract) and choice of appropriate college or university. Social and emotional transitional issues.

GUID W. Guidance Workshop (0)
Personal development workshops designed to assist students in achieving their educational objectives.

CREDIT, DEGREE APPLICABLE

GUID 11. Career Exploration (2)
See LERN 60.

GUID 12. Developing Job-Seeking Skills (1)
Lec-2 (8 wks) CR/NCR avail.
Designed for students who have a clear sense of career goal, but who are not knowledgeable about ways of approaching an employer for a job.
The practical problems of job finding: searching for, applying for, choosing, and keeping a job. CSU

Health Care Technology
Announcement of Curricula

CVT/Echocardiography Technician
Program Goal. The program teaches students to work as technicians in non-invasive cardiac diagnostic laboratory units in hospitals, diagnostic laboratories, and clinics. Students will learn M-mode, two dimensional, and doppler echocardiography to include: cardiac anatomy and physiology, physics of ultrasound, cardiac imaging, and instrumentation. For more information call 561-1900.

Prerequisite: Anatomy 14 or 25; may be a corequisite
Core Courses
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<th>Units</th>
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<tr>
<td>ECHO 1 Echocardiography I....................</td>
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<tr>
<td>ECHO 2 Echocardiography II..................</td>
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<tr>
<td>CVT 101 Cardiovascular Technician ............</td>
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<td>CVT 102 Cardiovascular Technician ............</td>
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Length of Program. Two Semesters.

Requirements for Completion. Successful completion of courses with a grade of C or better and minimum 80% attendance.

EKG Technician I & II
Program Goal. Prepares students to operate an EKG machine and work as technicians in non-invasive cardiac diagnostic laboratory units in hospitals, diagnostic laboratories, and medical clinics and facilities. Students will be able to prepare patients for EKG mountings and tracings, will learn the cardiovascular system, and interpret EKG readings. Upon completing program, students will also become cognizant of advanced heart diseases including interpretation of advanced arrhythmias, hypertrophies, and myocardial infarction. Students will also be able to operate a 12 lead, 3 channel EKG machine. For more information all 561-1900.

Prerequisites. CCSF placement.
Core Courses
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<tr>
<td>EKGT 101 EKG Technician I........................</td>
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<tr>
<td>EKGT 102 EKG Technician II....................</td>
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Requirements for Completion. Successful completion of program with a grade of C or better and minimum of 80% attendance.

Emergency Medical Technician
Program Goal. The program will assist the EMT trainees in developing skills in areas of specialized emergency problems, initial patient assessment and care, transportation, and communication. Students who have completed FSC 100 through FSC 103 may not enroll in EMT 100 through 103. For more information call 561-1900.

Admission Requirements. CCSF placement.

Length of Program. 250 hours
Core Courses
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<th>Units</th>
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<tr>
<td>EMT 102 Emer Med Tech IA, Clinical ................</td>
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<td>EMT 100 Emer Med Tech B, Theory ..................</td>
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<tr>
<td>EMT 101 Emer Med Tech, Fire Ser Theory ...........</td>
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</table>

Requirements for Completion. Completion of required courses with a C grade or higher in each phase of the program. College credit by petition is available.

Health Information Technology
General Information
The Health Information Technology Program provides students with the knowledge and skills necessary to process, analyze, disseminate, and maintain health care information. A career as