ACCT 1A  Financial Accounting I  5 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Five hours lecture.
The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements.

ACCT 1B  Financial Accounting II  5 Units
Prerequisite: Accounting 1A.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Five hours lecture.
The primary objective of this course is to help students learn how accounting meets the information needs of various users by developing and communicating information that is used in decision-making. Accordingly, the expected student outcome is the demonstration that the student can read, analyze and interpret external financial statements.

ACCT 51A  Intermediate Accounting  5 Units
Prerequisite: Accounting 1C.
Five hours lecture.
Principles, control, and theory of accounting for assets, financial statements, cash and cash flows, receivables, inventories, plant and equipment, intangible assets.

ACCT 51B  Intermediate Accounting  5 Units
Prerequisite: Accounting 51A.
Five hours lecture.
Principles, control, and theory of accounting for liabilities and equities, corporations, accounting changes, statements from incomplete records, price level and fair-value accounting.

ACCT 52  Advanced Accounting  5 Units
Advisory: Accounting 51B.
Five hours lecture.
The Advanced Accounting course presents financial accounting theories and practices related to business combinations and consolidated financial reporting. This includes the development of complex business structures and forms of business combinations; consolidated financial reporting for intercorporate acquisitions and operations; and the accounting for transactions of affiliated companies. The course also includes accounting and reporting issues in the multinational business environment. Finally, accounting theory and practice related to the formation, operation and liquidation of partnerships is covered.

ACCT 58  Auditing  5 Units
Prerequisite: Accounting 51A and 51B.
Corequisite: Accounting 58 students may also enroll in Accounting 51B concurrently.
Five hours lecture.
Study of environment, principle, and practices of financial statement audit. Topics include Generally Accepted Auditing Standards (GAAS), Sarbanes-Oxley Act 2002 regulatory requirements, internal controls and audit risk; audit planning, procedures, evidence, documentation and reports.

ACCT 64  Payroll and Business Tax Accounting  3 Units
Prerequisite: Accounting 1A.
Advisory: English Writing 211 and Reading 211 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Mathematics 212 or equivalent.
Three hours lecture.

ACCT 66  Cost Accounting  5 Units
Prerequisite: Accounting 1B.
Five hours lecture.
Procedures, practices, and fundamentals used by accountants when costing products or services, evaluating and measuring performances, and reporting results to users of accounting information.

ACCT 67A  Federal Income Tax  4 Units
(Formerly Accounting 67.)
Prerequisite: Accounting 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 210 or equivalent; Accounting 1A (may be taken concurrently).
Four hours lecture.
A study of current federal income tax law and the procedures for preparing an individual's tax return.

ACCT 67B  Advanced Tax Accounting I  4 Units
(Formerly Accounting 68A.)
Prerequisite: Accounting 67A or Business 67A.
(Also listed as Business 67B. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A study of current federal income tax law and California income tax law as it relates to individuals and sole proprietorship taxes.

ACCT 68  Advanced Tax Accounting II  4 Units
(Formerly Accounting 68B.)
Prerequisite: Accounting 67B or Business 67B.
Four hours lecture.
A study of current federal income tax law as it relates to corporations, partnerships, estates, trusts, and gift taxes. California tax law differences will be highlighted.

ACCT 70  Budgeting and Planning  5 Units
Prerequisite: Accounting 1C.
Five hours lecture.
The role of budgeting and planning as useful tools for monitoring, managing, and evaluating operational performance of an entity.

ACCT 75  Accounting for Government and Nonprofit Entities  5 Units
Advisory: Accounting 1C.
Five hours lecture.
Presents the characteristics and principles of the financial policies and procedures followed by state, county and municipal governments, as well as public and private universities and hospitals, and certain non-profit organizations. The course will emphasize the importance to governmental agencies of properly discharging their responsibilities to taxpayers. These responsibilities include the proper accounting for and budgeting of tax and related revenues and expenditures. The course will also emphasize the importance to non-profit entities of meeting the financial reporting and management needs of various stakeholders such as donors, service providers and recipients, community members, and regulatory agencies. Funds, fund accounting, and the newest GASB and FASB pronouncements relating to accounting for governmental and non-profit entities are also presented.

ACCT 76  Nonprofit Management Control  5 Units
Advisory: Accounting 1C.
Five hours lecture.
Presents theories and practices of fiscal and management control in nonprofit organizations. Includes management control principles as related to nonprofit financial statements as well as the utilization of cost accounting techniques in the nonprofit sector. Covers control system elements such as strategic planning, budgeting, operational control, output measurement, performance reporting, and program evaluation. Relates nonprofit management control to the broader organizational context.
ACCT 96  Computer Accounting Systems  5 Units
Prerequisite: Accounting 1A.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Computer Information Systems 86. Student may enroll in either department, but not both, for credit.)
Five hours lecture.
Fundamentals of computerized accounting using integrated general ledger software packages and electronic spreadsheet software. Conversion of a manual system to a computer system.

ACCT 87AH  Computerized Accounting Programs I (Peachtree - Windows)  2 Units
Prerequisite: Accounting 1A.
Four hours lecture-laboratory.
Introduction to computerized accounting for service industry. Applications include general ledger set-up, accounts payable, accounts receivable and payroll. Course will take advantage of new accounting software being used in industry.

ACCT 87AI  Computerized Accounting Programs I (Quickbooks)  2 Units
Prerequisite: Accounting 1A.
Four hours lecture-laboratory.
Introduction to computerized accounting for service industry. Applications include general ledger set-up, accounts payable, accounts receivable and payroll. Course will take advantage of new accounting software being used in industry.

ACCT 88  Excel Spreadsheets for Accounting  2 Units
Prerequisite: Accounting 1A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Mathematics 212 or equivalent; Computer Applications and Office Systems 93AH or 93AK or 93AL.
Two hours lecture.

ACCT 98U  Internship, Business/Computer Systems Division  1 Unit
ACCT 98V  2 Units
ACCT 98W  3 Units
ACCT 98X  4 Units
ACCT 98Y  5 Units
ACCT 98Z  6 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Business 98U-Z, Computer Applications and Office Systems 98U-Z, and Computer Information Systems 98U-Z. Student may enroll in only one department for credit.)
Four hours laboratory per unit of supervised internship in an authorized office or agency.
(Any combination of Accounting 98U-Z, Business 98U-Z, Computer Applications and Office Systems 98U-Z, and Computer Information Systems 98U-Z may be taken up to six times, not to exceed 18 units, for credit. During each internship, students will be placed at different employer locations, different working environments, and/or given different assignments within the same company or department--thus providing the students with various opportunities to learn different skills. Students may repeat the same internship location and working environment if the student, employer, and instructor believe it would provide the student with increased work experience.)
Off-campus supervised experiential education/internship for Business/Computer Systems Division students in research or business office environments related to student's major. Practical application of knowledge, skills and abilities acquired in student's major. Opportunity for additional hands-on training. Exposure to varied corporate, state and federal protocols, methodologies and practices in a professional environment.

ACCT 105  Basic Financial Accounting Procedures  1 Unit
Corequisite: Accounting 105 students must also enroll in Accounting 1A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200); and Mathematics 210 or equivalent.
Two hours lecture-laboratory.
Procedural aspects of accounting including the accounting equation, analysis of business transactions, debit and credit rules, and aspects of the accounting cycle.

ACCT 107  Certified Bookkeeper Review  2 Units
Prerequisite: Accounting 1A.
Two hours lecture.
Provides advanced instruction in bookkeeping and record-keeping functions. Emphasis is placed on mastering adjusting entries, correction of errors, depreciation, payroll, and inventory. Upon completion, students should be able to conduct all key bookkeeping functions for small businesses.

Administration of Justice

ADMJ 1  Introduction to Administration of Justice  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Political Science 10. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
The history and philosophy of the administration of justice in America. A study of the overall system from its European antecedents and development within the United States; identification of various subsystems and components; their role expectations and interrelationships; basic premise of crime, punishment and rehabilitation; the role of education in the administration of justice within a democracy.

ADMJ 3  Concepts of Criminal Law (CP 2)  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Paralegal 3 and Political Science 13. Student may enroll in only one department for credit.)
Four hours lecture.
Historical development, philosophy of law and constitutional provisions; definitions, classification of crime, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force in a multicultural, multiethnic society.

ADMJ 5  Community Relations  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Examination of interrelationships of Administration of Justice practitioners and multicultural, multiethnic communities.

ADMJ 11  Federal Courts and Constitutional Law  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Paralegal 11 and Political Science 11. Student may enroll in only one department for credit.)
Four hours lecture.
Federal court procedure and the impact of U.S. Constitutional law on federal and state law. Read and analyze the Constitution. Effect of U.S. Supreme Court cases on current constitutional interpretation.

ADMJ 25  Law and Social Change  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Paralegal 25 and Sociology 25. Student may enroll in only one department for credit.)
Four hours lecture.
Exploration of the use of law as an instrument for social change. Examination of relationship between law and social change in cross-cultural settings. Analysis of legislation, case law, the process of conflict resolution and legal institutions as they relate to social change.

ADMJ 29  Cultural Pluralism and American Law and Justice  4 Units
(Formerly Administration of Justice 58.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Intercultural Studies 29. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
An interdisciplinary study of marginalized peoples and their relationship to the law. Examines the legal perspective on cultural diversity in the United States, including race, ethnicity, gender, class, religious background, disability, and sexual orientation. Analyzes how these groups interact with mainstream society through American law, concentrating on both historical and contemporary state and federal legislation and court rulings. Analyzes how the courts play a role in determining the status of minority groups.

ADMJ 50  Crime, Correction and Society  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Sociology 50. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A legal and sociological approach to understanding the fundamental ideas which have shaped correctional theories and practices. An in-depth study of adult sentencing, prisons, and jail subsystem including institutions by type and function, probation, parole and community based programs. A comprehensive examination of current correctional practices, punishment, rehabilitation, and community treatment programs with an emphasis on issues concerning race, ethnicity and gender.

All courses are for unit credit and apply to a De Anza associate’s degree unless otherwise noted.

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ADMJ 51 Women in Crime 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Sociology 51. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
An examination of the changing role of women in crime with emphasis on gender and cultural based differences related to victims, offenders and criminal justice professionals.

ADMJ 52 Criminal Law II 5 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Five hours lecture.
An advanced course in criminal law emphasizing substantive California statutory criminal codes.

ADMJ 53 Youth and the Law 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Paralegal 54 and Sociology 54. Student may enroll in only one department for credit.)
Four hours lecture.
A legal and sociological approach to understanding the causes of juvenile delinquency; an examination of race, culture and gender in juvenile delinquency; community responses to delinquency; organization, functions and jurisdiction of both social and legal agencies; processing and detention; case disposition; statutes and court procedures.

ADMJ 54 Alcohol, Narcotics and Drug Abuse 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Designed to equip public service workers and the community with knowledge of the issues involved in drug abuse, including the history and classification of drugs and the problems facing society and the governing of illegal drug use.

ADMJ 55 Practical Writing for Administration of Justice 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Designed to acquaint the student with important developments, techniques and applications in the art and science of report writing for criminal justice professionals.

ADMJ 60 Patrol Procedures 4 Units
Prerequisite: Administration of Justice 75.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Responsibilities, techniques, and methods of police patrol. Practical experience in law enforcement techniques.

ADMJ 61 Criminal Investigation 4 Units
Prerequisite: Administration of Justice 3 or 75.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Fundamentals of crime investigation; techniques of crime scene search and recording; collection and preservation of physical evidence; use of scientific aids; modes operating procedures; sources of information; interviewing techniques.

ADMJ 62 Sexual Assault, Police and Community Response 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Psychology 63. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Societal and psychological aspects of sexual assault, the perpetrators and the victims; practical application of the police investigation, the criminal justice process, and social service intervention.
ANTH 2 Cultural Anthropology 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 275. (Also listed as Paralegal 210A. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
The origin, development, and content of the rules of evidence; kinds of degrees of evidence and rules governing admissibility of evidence.

ANTH 4 World Prehistory 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Introduction to the field of archaeology within the discipline of anthropology including discussion of scientific methods, the history of archaeology, field and laboratory methods used in the analysis of archaeological data, and theories used to interpret the past. This course explores how archaeologists recover, analyze material and reconstruct ancient cultures and societies. Archaeological ethics and real-world issues concerning looting, collecting, preservation, and the role of indigenous peoples will be examined.

ANTH 6 Linguistic Anthropology 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
A cross-cultural investigation into the relationship between language and culture: language as a human attribute; language structure, historical origins, diversification, and change; gender and cultural variations in language usage; comparative analysis and classification of world languages; the origins and development of writing; microelectronics and the advent of the information age; globalization and language.

ANTH 69 Early Childhood Education Principles and Practices (Cross-Cultural Emphasis) 3 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Three hours lecture.
The underlying principles of early education, in which national, state, and local practices will be examined in contrast to options presented through ethnographic data of diverse cultures.

Arabic Language

ARBC 1 Elementary Arabic (First Quarter) 5 Units
(Formerly Arabic 91.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Five hours lecture.
Introduction to the language and cultures of the Arabic-speaking world. Development and practice of elementary speaking, listening, reading, and writing skills in targeted language functions with Arabic as the primary language of instruction. Introduction to basic geographical, historical and cultural aspects of Arabic-speaking world areas. Language laboratory practice will be part of the regular instruction to reinforce pronunciation, grammar, syntax, and conversation.

ARBC 2 Elementary Arabic (Second Quarter) 5 Units
(Formerly Arabic 92.)
Prerequisite: Arabic 1 (equivalent to one year of high school Arabic) or equivalent.
Five hours lecture.
Continuation of elementary speaking, listening, reading, and writing skills in targeted language functions, with Arabic as the primary language of instruction. Focus on greater structural accuracy and communicative competence. Study of basic geographical, historical, and cultural features of Arabic-speaking world areas.

ARBC 3 Elementary Arabic (Third Quarter) 5 Units
(Formerly Arabic 93.)
Prerequisite: Arabic 2 (equivalent to two years of high school Arabic) or equivalent.
Five hours lecture.
Continuation of elementary speaking, listening, reading, and writing skills in targeted language functions, with Arabic as the primary language of instruction. Focus on greater structural accuracy and communicative competence. Study of basic geographical, historical, and cultural features of Arabic-speaking world areas.
ARBC 4 Intermediate Arabic (First Quarter) 5 Units
(Formerly Arabic 94.)
Prerequisite: Arabic 3 (equivalent to three years of high school Arabic) or equivalent.
Five hours lecture.
Reading and discussion of texts dealing with the literature, arts, geography, history, and culture of the Arabic-speaking world. Review of the linguistic functions and grammar structures of first-year Arabic. Emphasis is placed on the functional usage of Arabic and communication in context in the four language skills: reading, writing, speaking and listening.

ARBC 5 Intermediate Arabic (Second Quarter) 5 Units
(Formerly Arabic 95.)
Prerequisite: Arabic 4 (equivalent to four years of high school Arabic) or equivalent.
Five hours lecture.
Continuation of Intermediate Arabic. Reading and discussion of texts dealing with the literature, arts, geography, history, and culture of the Arabic-speaking world. Review of the linguistic functions and grammar structures of first-year Arabic. Emphasis is placed on the functional usage of Arabic and communication in context in the four language skills: reading, writing, speaking and listening.

ARBC 6 Intermediate Arabic (Third Quarter) 5 Units
(Formerly Arabic 96.)
Prerequisite: Arabic 5 or equivalent.
Five hours lecture.
Continuation of Intermediate Arabic. Reading and discussion of texts dealing with the literature, arts, geography, history, and culture of the Arabic-speaking world. Review of the linguistic functions and grammar structures of first-year Arabic. Emphasis is placed on the functional usage of Arabic and communication in context in the four language skills: reading, writing, speaking and listening.

Army Reserve Officers Training Corps
(ROTAC) For information on Army ROTC, please see Military Studies.

Arts

ARTS 1A Introduction to the Visual Arts 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An exploration of visual imagery throughout the world, for the purpose of refining visual literacy skills. Works of art will be studied by means of formal analysis and medium, the social experiences of artists, the function of works of art in their original environment, and comparison of works from different cultures. Primary emphasis will be on paintings, graphic works, and sculpture.

ARTS 1B Architecture Past and Present 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An exploration of architecture throughout the world, for the purpose of refining visual literacy skills. Works of architecture will be studied comparatively with regard to form and function, and numerous architectural concepts will be examined.

ARTS 2A History of Art (Europe from Prehistory through Early Christianity) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the discipline of art history through analysis of images, objects, and works of architecture produced from the prehistoric period of European history through approximately the year 600 C.E., including discussion of Stone Age, Mesopotamian, Egyptian, Greek, Etruscan, Roman, and Byzantine cultures.

ARTS 2B History of Art (Europe during the Middle Ages and the Renaissance) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the discipline of art history through analysis of images, objects, and works of architecture produced from approximately 600 through 1600 C.E., including discussion of Islamic and European cultures during the Middle Ages, and the art of the Renaissance (including Mannerism) in both northern and southern Europe.

ARTS 2C History of Art (Europe from the Baroque Period through Impressionism) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the discipline of art history through analysis of images, objects, and works of architecture produced in Europe from c. 1600 through the 1880s, including discussion of both northern and southern European cultures.

ARTS 2D History of Art (Europe and the United States from Post-Impressionism to the Present) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the discipline of art history through analysis of images, objects, and works of architecture produced from the 1880s to the present, including discussion of numerous European and American cultural groups.

ARTS 2F History of Art (Multicultural Arts in the United States) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Intercultural Studies 5. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A cross-cultural introduction to American art history which includes interdisciplinary analysis of diverse art forms generated by artists of color, including African Americans, Asian Americans, Native Americans, Latinx/ois/ Chicanx/ois, and Americans of non-European heritage. Significant attention will be given to issues considered important by each ethnicity or group as well as issues related to racism, gender, and social class. Traditions, values, and cultural expressions of diverse societies and their contributions to American visual culture are explored.

ARTS 2G History of Art (Arts of Asia) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as International Studies 21. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A general introduction to art through major Asian artistic traditions. Focuses upon paintings, sculptures, ceramics, and architecture and their religious, cultural, historical, and social contexts. Examines arts from China, Japan, India, Central Asia, Himalayas, and Southeast Asia and assesses the contributions of Asian art in a global context.

ARTS 2H History of Art: Native Arts of Mesoamerica and South America 4 Units
(Formerly Arts 67.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as International Studies 21. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A general introduction to the visual arts of the indigenous cultures of Mesoamerica, an area extending from northern Mexico through Central America, and the Andean region of South America. This course covers diverse art forms, including architecture, ceramics, weaving, painting and sculpture from antiquity to the present. Topics addressing the religious, cultural, social, economic and political contexts of the art will be explored. Compares indigenous arts of the Americas to other world art traditions and assesses the contributions of indigenous cultures in a global context.

ARTS 2J History of Art: Indigenous Arts of the World 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as International Studies 22. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A general introduction to some of the many indigenous art traditions around the world, with emphasis placed upon traditional arts created for use in small-scale communities from the Americas, South Pacific region and Africa. Diverse art forms covered will include sculpture, painting, performance, ceramics, textiles and architecture from antiquity through the colonial period to the present. Topics addressing the religious, cultural, social, economic and political contexts of the art will be explored. Compares arts from indigenous peoples to other world art traditions and assesses the contributions of indigenous arts in a global context.
ARTS 2K  History of Art: Visual Arts of Islam  4 Units  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
(Also listed as International Studies 23. Student may enroll in either department,  
but not both, for credit.)  
Four hours lecture.  
An exploration of the visual arts of Islam in a global context, including comparative  
analyses of the arts from diverse regions of the Islamic world. Examines artistic  
traditions of calligraphy, miniature painting, textiles, decorative arts and architecture  
from the beginnings of the Islamic faith to the present, and Islamic contributions  
to world art history. Includes interdisciplinary analysis of Islamic visual arts,  
emphasizing the cultural and religious contexts, as well as issues related to gender  
and social class.

ARTS 2L  History of Art: Visual Arts of Africa  4 Units  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
(Also listed as International Studies 24. Student may enroll in either department,  
but not both, for credit.)  
Four hours lecture.  
A general introduction to the visual arts of Africa, covering diverse art forms, including  
sculpture, painting, performance, ceramics, textiles and architecture from antiquity  
to the present. Social perceptions and obstacles relevant to women artists will be  
discussed, and students will engage in cross-cultural comparison of works  
produced in western and non-western cultures made by women, and in which  
women serve as subject matter.

ARTS 3TC  Women and Art  4 Units  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
(Also listed as Women’s Studies 2C. Student may enroll in either department, but  
not both, for credit.)  
Four hours lecture.  
A history of women in relation to society and the visual arts from prehistory to  
the present. Social perceptions and obstacles relevant to women artists will  
be discussed, and students will engage in cross-cultural comparison of works  
produced in western and non-western cultures made by women, and in which  
women serve as subject matter.

ARTS 3TD  American Art: Public and Private  4 Units  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273.  
Four hours lecture.  
An introduction to the discipline of art history through analysis of art in the  
United States which emphasizes discussion of paintings, sculpture, and works of  
arhitecture produced for both public and private purposes, from the seventeenth  
century to the present day.

ARTS 3TE  Today's Working Artist  4 Units  
(See general education pages for the requirement this course meets.)  
Corequisite: Arts 3TE students must also enroll in Arts 3TEL.  
Advisory: English Writing 1A or English as a Second Language 5.  
Four hours lecture.  
Focuses on the issues and challenges facing today’s working artists. Topics include;  
the roots of international contemporary art, technological influences on current  
art practices, and the essential components for assembling a dynamic portfolio  
presentation. Students will participate in assigned projects requiring both theoretical  
analysis and hands-on studio work.

ARTS 3TEL  Art History Laboratory  1 Unit  
(See general education pages for the requirement this course meets.)  
Corequisites: Arts 3TEL students must also enroll in Arts 3TE.  
Three hours laboratory.  
Pass-No Pass (P-NP) course.  
Utilization of studio equipment and materials related to projects assigned in  
Arts 3TE.

ARTS 4A  Beginning Drawing  3 Units  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273, Arts 6.  
Six hours lecture-laboratory.  
(Any combination of Arts 4A, 4B, 4C and 4D may be taken up to six times, not to  
exceed 18 units, for the family of courses.)  
An introductory course exploring the basic elements and principles of observational  
drawing, using traditional and experimental media.

ARTS 4B  Intermediate Drawing  3 Units  
Prerequisite: Arts 4A.  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273; Arts 8.  
Six hours lecture-laboratory.  
(Any combination of Arts 4A, 4B, 4C and 4D may be taken up to six times, not to  
exceed 18 units, for the family of courses.)  
An intermediate drawing course focusing on the creative interpretation of subject  
matter utilizing a variety of experimental, as well as traditional, techniques and  
media.

ARTS 4C  Life Drawing  3 Units  
Prerequisite: Arts 4A.  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273; Arts 4B, 4D and 8.  
Six hours lecture-laboratory.  
(Any combination of Arts 4A, 4B, 4C and 4D may be taken up to six times, not to  
exceed 18 units, for the family of courses.)  
A beginning drawing course focusing on the representation and interpretation of  
the human figure; with attention to drawing from life.

ARTS 4D  Representational Drawing  3 Units  
(Formerly Arts 74.)  
Prerequisite: Arts 4A.  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273; Arts 6.  
Six hours lecture-laboratory.  
(Any combination of Arts 4A, 4B, 4C and 4D may be taken up to six times, not to  
exceed 18 units, for the family of courses.)  
An intermediate level drawing course concentrating on observation and depiction  
of volume and perspective in a variety of drawing media.

ARTS 8  Two-Dimensional Design  3 Units  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273.  
Six hours lecture-laboratory.  
A foundation course in the use of fundamental design elements and principles for  
two-dimensional art.

ARTS 10A  Three-Dimensional Design  3 Units  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or  
English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken twice for credit; the topics will change every quarter.)  
Introduction to design elements and principles as they apply to three-dimensional  
form and space. Idea exploration in various media including clay, plaster, paper,  
wood and metals. Assignments will vary according to the quarter.

ARTS 10B  Intermediate Three-Dimensional Design  3 Units  
Prerequisite: Arts 10A.  
Six hours lecture-laboratory.  
(May be taken twice for credit; the topics will change every quarter.)  
Further exploration and continuation of three-dimensional design focusing on  
individual projects. Use of various materials including wood, metals, plastic  
sheet and resin. Introduction of mold making and casting. Assignments will vary  
according to the quarter.

ARTS 12  Design and Color  3 Units  
Prerequisite: Arts 4A and 8.  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273.  
Six hours lecture-laboratory.  
A fundamental course exploring theory and color in the visual arts.

ARTS 14A  Watercolor Painting I  3 Units  
(Formerly Arts 14.)  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or  
English as a Second Language 261, 262 and 263; Arts 4A or 8.  
Six hours lecture-laboratory.  
(Any combination of Arts 14A, 14B and 14C may be taken up to six times, not to  
exceed 18 units, for the family of courses as long as the topics/projects are  
different each time.)  
A comprehensive introduction to transparent watercolor painting with emphasis  
on basic techniques.

ARTS 14B  Watercolor Painting II  3 Units  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or  
English as a Second Language 272 and 273.  
Six hours lecture-laboratory.  
(Any combination of Arts 14A, 14B and 14C may be taken up to six times, not to  
exceed 18 units, for the family of courses as long as the topics/projects are  
different each time.)  
A continuation of Arts 14A with further emphasis on basic transparent watercolor  
techniques that relate to the unusual characteristics of the medium, including the  
use of watercolor pencils and aquarelle crayons in monotype.
ARTS 14C Watercolor Painting III 3 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 14A, 14B and 14C may be taken up to six times, not to exceed 18 units, for the family of courses as long as the topics/projects are different each time.)
A continuation of Arts 14B with emphasis on transparent and opaque watercolor techniques. Assignments in class will explore the aesthetic concerns of developing styles, ideas, content and self expression within the watercolor medium.

ARTS 15A Acrylic Painting I 3 Units
Prerequisite: Arts 4A and 12.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 15A, 15B and 15C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 15A with further emphasis on basic techniques that relate to the unusual characteristics of the medium. Traditional and contemporary techniques that relate to the unusual characteristics of the medium. Surfaces other than canvas will be introduced for more varied results.

ARTS 15B Acrylic Painting II 3 Units
Prerequisite: Arts 15A.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 15A, 15B and 15C may be taken up to six times, not to exceed 18 units, for the family of courses.)
An introductory course in acrylic painting with emphasis on basic techniques in both traditional and contemporary techniques that relate to the unusual characteristics of the medium.

ARTS 15C Acrylic Painting III 3 Units
Prerequisite: Arts 15B.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 15A, 15B and 15C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 15B with emphasis on process rather than techniques. Problems in class will relate to aesthetic concerns of idea, content and expression within the acrylic medium.

ARTS 16A Oil Painting I 3 Units
Prerequisite: Arts 4A and 12.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 16A, 16B and 16C may be taken up to six times, not to exceed 18 units, for the family of courses.)
An introductory course in oil painting exploring the application of the media as it relates to the production of artwork through the translation of visual information. Preparation, concept and craft are fundamental as applied to aesthetic concerns.

ARTS 16B Oil Painting II 3 Units
Prerequisite: Arts 16A.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 16A, 16B and 16C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 16A with further emphasis on basic techniques that relate to the unusual characteristics of the medium. Conceptual studies, color theory and aesthetics are primary concerns. Surfaces other than canvas will be required.

ARTS 16C Oil Painting III 3 Units
Prerequisite: Arts 16B.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Six hours lecture-laboratory.
(Any combination of Arts 16A, 16B and 16C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 16B with emphasis on process rather than techniques. Primary concerns include shaped canvasses, glazing techniques, ideas, expression, and aesthetics relating to the oil medium.

ARTS 17 Introduction to Muralism: Democracy in Action 3 Units
(Formerly Arts 64.)
Advisory: English Writing 1A or English as a Second Language 5.
Six hours lecture-laboratory.
A continuation of Arts 16 and 16C with emphasis on the unusual characteristics of the medium. Modern and non-functional ceramic work. Use of pinch, coil and slab processes. Use of a variety of clay bodies and various firing techniques associated with functional and non-functional ceramic work.

ARTS 17 Introduction to Muralism: Democracy in Action 3 Units
(Formerly Arts 64.)
Advisory: English Writing 1A or English as a Second Language 5.
Six hours lecture-laboratory.
A continuation of Arts 16 and 16C with emphasis on the unusual characteristics of the medium. Modern and non-functional ceramic work. Use of pinch, coil and slab processes. Use of a variety of clay bodies and various firing techniques associated with functional and non-functional ceramic work.

ARTS 18A Ceramics 3 Units
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
Intermediate techniques of throwing on the potter's wheel. Forming, shaping, trimming, and decorating basic wheel thrown pieces. Use of stoneware firing techniques and processes in Ceramics (Arts 18A).

ARTS 18B Ceramics (Beginning Wheel Throwing) 3 Units
Prerequisite: Arts 18A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
(Any combination of Arts 18A, 18B and 18C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 18B with emphasis on process rather than techniques. Problems in class will relate to aesthetic concerns of idea, content and expression within the ceramic medium.

ARTS 18C Ceramics (Intermediate Wheel Throwing) 3 Units
Prerequisite: Arts 18B.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
(Any combination of Arts 18A, 18B and 18C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 18B with emphasis on process rather than techniques. Problems in class will relate to aesthetic concerns of idea, content and expression within the ceramic medium.

ARTS 18D Ceramics Hand Building 3 Units
(Formerly Arts 66D.)
Prerequisite: Arts 18A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
(Any combination of Arts 18A, 18B and 18C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 18B with emphasis on process rather than techniques. Problems in class will relate to aesthetic concerns of idea, content and expression within the ceramic medium.

ARTS 18E Ceramics (Advanced Wheel Throwing) 3 Units
(Formerly Arts 84.)
Prerequisite: Arts 18C.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
Intermediate techniques of throwing on the potter's wheel. Forming, shaping, trimming, and surface development of intermediate wheel thrown pieces. Build upon throwing techniques and processes in Beginning Wheel Throwing (Arts 18B).

ARTS 19G Ceramic Glaze Calculation 3 Units
Prerequisite: Arts 18A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
(Any combination of Arts 18A, 18B and 18C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 18B with emphasis on process rather than techniques. Primary concerns include shaped canvasses, glazing techniques, ideas, expression, and aesthetics relating to the oil medium.

ARTS 19H Ceramics Raku 3 Units
Prerequisite: Arts 18A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Six hours lecture-laboratory.
(Any combination of Arts 18A, 18B and 18C may be taken up to six times, not to exceed 18 units, for the family of courses.)
A continuation of Arts 18B with emphasis on process rather than techniques. Primary concerns include shaped canvasses, glazing techniques, ideas, expression, and aesthetics relating to the oil medium.
ARTS 19I Ceramic Sculpture 3 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Use of clay as a sculptural and expressive medium: texture, surface, dimensionality, and form.

ARTS 19J Ceramic Techniques 3 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Techniques of hand-building and wheel construction combined: experimental glazing and texturing treatments.

ARTS 19K Ceramic Decoration 3 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Surface treatments and refinement used in the production of stoneware, earthenware, and porcelain.

ARTS 19M Ceramics Low Fire 3 Units  
(Formerly Arts 64N.)  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Survey of earthenware as a ceramic material. Use of surface decoration, glazes, and ceramic kiln firing.

ARTS 19N Ceramics Porcelain 3 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Survey of porcelain as a ceramic material. Use of surface decoration, glazes, and ceramic kiln firing.

ARTS 20 Ceramics Individual Laboratory 2 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours laboratory.  
(May be taken up to six times for credit. Students build upon previous experience and develop higher-level skills.)  
Supervised use of ceramic studio equipment for independent skill development; hand building, wheel throwing, kiln firing.

ARTS 37A Sculpture 3 Units  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Mathematics 210 or equivalent; Arts 10A.  
Six hours lecture-laboratory.  
(Any combination of Arts 37A, 37B and 37C may be taken up to six times, not to exceed 18 units, for the family of courses as long as the topics are different each time.)  
Beginning sculpture, with an emphasis on idea development, visual investigation and its making process. Additional materials and processes will be examined. Assignments will vary according to the quarter.

ARTS 37B Intermediate Sculpture 3 Units  
Prerequisite: Arts 37A.  
Six hours lecture-laboratory.  
(Any combination of Arts 37A, 37B and 37C may be taken up to six times, not to exceed 18 units, for the family of courses as long as the topics are different each time.)  
Intermediate sculpture with further emphasis on further formulation of idea development, visual investigation and its making process. Additional materials and processes will be examined. Assignments will vary according to the quarter.

ARTS 37C Advanced Sculpture 3 Units  
Prerequisite: Arts 37B.  
Six hours lecture-laboratory.  
(Any combination of Arts 37A, 37B and 37C may be taken up to six times, not to exceed 18 units, for the family of courses as long as the topics are different each time.)  
Advanced sculpture with an emphasis on idea development, visual investigation and the sculpture making process. Additional materials and processes will be examined and demonstrated. Assignments will vary according to the quarter.

ARTS 50 Ceramics Primitive Firing 3 Units  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Construction and utilization of primitive fire kilns, including pit, sawdust, raku, and dung.  
Practical experience in firing technique.

ARTS 51 Ceramics Kiln Construction 3 Units  
(Formerly Arts 19L.)  
Prerequisite: Arts 18A.  
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.  
Six hours lecture-laboratory.  
(May be taken two times for credit. Students build upon previous experience and develop higher-level skills.)  
Design, construction and utilization of kilns, including raku, high fire, gas and electric.  
Practical experience in firing technique.

ARTS 53A Introduction to Visual Technology 3 Units  
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Arts 8.  
Six hours lecture-laboratory.  
A survey of the computer based electronic technology used by visual artists and designers. Student projects explore the creative potential of basic program options and experience how each relates to today's electronic media environment.  
Introductory use of Adobe Photoshop, Adobe Illustrator, Adobe Flash and Adobe InDesign.

ARTS 53B Introduction to Visual Technology 3 Units  
Prerequisite: Arts 53A.  
Six hours lecture-laboratory.  
Introductory use of art and design software for the computer. Emphasis on the creative process and the computer as a tool used by artists and designers today.  
Software used includes Adobe Photoshop.

ARTS 55A Graphic Design-Communication 3 Units  
Prerequisite: Arts 53A.  
Six hours lecture-laboratory.  
The analysis and interpretation of the elements and principles of design as applied to the practice of graphic design and visual communication. Emphasis on the design process from visualization to production. Software used includes Adobe Photoshop and Adobe Illustrator.

ARTS 55B Graphic Design-Communication 3 Units  
Prerequisite: Arts 55A.  
Six hours lecture-laboratory.  
Continuation of the analysis and interpretation of the elements and principles of design as applied to the practice of graphic design and visual communication. Software used includes Adobe Photoshop, Adobe Illustrator, and Macromedia Flash.

ARTS 55C Graphic Design - Communication: Production Techniques 3 Units  
Prerequisite: Arts 55A and 55B; or demonstration of appropriate technical abilities suitable to course level.  
Six hours lecture-laboratory.  
Introductory course in the preparation of art for reproduction on the printed page, interactive media, and the World Wide Web. Emphasis is placed on specific studio procedures as well as computer production alternatives used by professionals in the field of graphic design. Software used includes Adobe Photoshop, Adobe Illustrator and Macromedia Flash.

ARTS 56 Computer-Aided Graphic Design: Electronic Publishing 3 Units  
Prerequisite: Arts 53A.  
Advisory: Arts 55A.  
Six hours lecture-laboratory.  
Analysis and interpretation of the elements and principles of design as applied to the practice of publication design. Emphasis on the design process as it relates to the use of the computer to create type and image in electronic publishing. Software used includes Adobe Photoshop, Adobe Illustrator, Adobe PageMaker and QuarkXPress.
ARTS 57  Graphic Design-Typography 3 Units
Prerequisite: Arts 53A and 55A.
Six hours lecture-laboratory.
Interpretation of the elements and principles of design as applied to the use of
typography in graphic design. Emphasis on the integration and selection of letter
forms and type styles as they relate to the production for the printed page, multimedia
design and the World Wide Web. Software used includes Adobe Photoshop, Adobe
Illustrator, and Adobe InDesign.

ARTS 58A  Furniture Design 3 Units
Advisory: English Writing 200 and Reading 200 (or Language Arts 200),
or English as a Second Language 261, 262 and 263; Mathematics 210 or
equivalent; Arts 10A.
Six hours lecture-laboratory.
Any combination of Arts 58A, 58B and 58C may be taken up to six times, not
to exceed 18 units, for the family of courses as long as the topics are different
each time.)
Beginning furniture design with emphasis on developing basic skills in design,
construction and craftsmanship. Assignments will vary according to the quarter.

ARTS 58B  Intermediate Furniture Design 3 Units
Prerequisite: Arts 58A.
Six hours lecture-laboratory.
Any combination of Arts 58A, 58B and 58C may be taken up to six times, not
to exceed 18 units, for the family of courses as long as the topics are different
each time.)
Intermediate furniture design, with an emphasis on a broader range of skills in design,
construction and craftsmanship. Assignments will vary according to the quarter.

ARTS 58C  Advanced Furniture Design 3 Units
Prerequisite: Arts 58B.
Six hours lecture-laboratory.
Any combination of Arts 58A, 58B and 58C may be taken up to six times, not
to exceed 18 units, for the family of courses as long as the topics are different
each time.)
Advanced furniture design, with an emphasis on individual projects and further
development on skills design, construction and craftsmanship. Assignments will
vary according to the quarter.

ARTS 59  History of Graphic Design 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or
English as a Second Language 272 and 273.
Four hours lecture.
A history of word and image from the Industrial Revolution, through the Modernist Era
and the Information Age. Emphasis is placed on the impact of industrial technology
in the first half of the Twentieth Century and the importance of graphic design in
the global village. Topics will include the origins of printing and typography in the
industrial age and postmodern design.

ARTS 63  Business Practices for Graphic Designers 3 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or
English as a Second Language 272 and 273.
Three hours lecture.
Introduction to the range of business practices used by artists and designers in the
visual communications industry. Emphasis will be placed on legal rights and issues
as they relate to the professional artist/client relationship. Topics will include
pricing and marketing, salaries and trade customs, standard contracts, and new
technology issues.

ARTS 65  Graphic Design for the World Wide Web 3 Units
Prerequisite: Arts 53A and 53B.
Advisory: Computer Information Systems 89.
Six hours lecture-laboratory.
Hands-on web page design fundamentals. Emphasis is on the creative integration of
type and image as related to the World Wide Web. Topics will include: navigation
software, site content and organization, site layout, scanning and importing imagery,
file formats, and typography issues.

ARTS 70  Viewing Bay Area Art Museums and Galleries 1 Unit
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or
English as a Second Language 261, 262 and 263.
Three hours laboratory.
(May be taken up to six times for credit as long as the topics/projects are
different each time.)
Designed to develop skills in art gallery/museum viewing and critical analysis of
content of exhibits, collections and/or lectures.

ARTS 71  Gallery and Exhibition Design 3 Units
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or
English as a Second Language 261, 262 and 263; Arts 4A or 8.
Six hours lecture-laboratory.
The practical experience in all aspects of exhibition design and installation of art
exhibits in galleries and museums. Emphasis on design theory and the evaluation
and analysis of the communicative, cultural, aesthetic, technical factors involved
in the production of exhibits.

ARTS 72  Internship in Art 1 Unit
Advisory: English Writing 200 and Reading 200 (or Language Arts 200),
or English as a Second Language 261, 262 and 263; Arts 1A, 4A, 8, 10A, and 71.
Three hours laboratory.
(May be taken up to six times for credit as long as the topics/projects are
different each time.)
Directed professional experience in art museums/galleries, art businesses, and art
in schools programs in the Bay Area that emphasize the application of skills and
knowledge obtained in Gallery and Exhibition Design (Arts 71), Beginning Drawing
(Arts 4A), Basic Design (Arts 8), and Three-Dimensional Design (Arts 10A).

ARTS 77  Special Projects 1 Unit
Prerequisite: Consent of instructor.
Advisory: Successful completion of any art course.
Three hours laboratory for each unit of credit.
(Any combination of Arts 77, 77X and 77Y may be taken up to six times, not to
exceed 18 units, as long as the projects are different each time.)
Individual advanced projects in painting, drawing, ceramics, sculpture, art history,
furniture design and museum studies.

ARTS 85  Motion Graphics 3 Units
Prerequisite: Arts 55B.
(Also listed as Film/Television 85. Student may enroll in either department, but
not both, for credit.)
Six hours lecture-laboratory.
The analysis and interpretation of the art and design involved in the production
of “on-the-air” graphic design. The creative integration of “type” and “image” in
motion is stressed through the use of directed laboratory exercises. Software used
includes Adobe Photoshop, Adobe Premier, Macromedia FreeHand, Macromedia
Director, Macromedia Flash.

ARTS 86  Electronic Illustration Techniques 3 Units
Prerequisite: Arts 53A and 53B.
Three hours lecture, three hours laboratory.
Introduction to industry standard software related to the creation and implementation of
directed and generated illustration. Emphasis is on verbal-visual relationships and
the integration of type and image in contemporary illustration. Topics will include:
illustration software options; concept and problem solving; style and personal
expression; story board and broadcast illustration; and 3D illustration dynamics.

ARTS 112A  Digital Imaging Software (Photoshop) 4 Units
(Students may receive credit for either Computer Applications and Office
Systems 112A (or 112I and 112Q); Arts 112A (or 112I and 112Q); or CAD and
Digital Imaging 112A (or 112I and 112Q).)
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or
English as a Second Language 261, 262 and 263; Computer Applications and
Office Systems 90GA.
(Also listed as CAD and Digital Imaging 112A and Computer Applications and
Office Systems 112A. Student may enroll in only one department for credit.)
Eight hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles using digital imaging software to produce graphics
for Web sites. Introduction to digital imaging terminology and software. This course
is for the content person to produce Web pages using digital images.

ARTS 112I  Digital Imaging Software I (Photoshop) 2 Units
(Students may receive credit for either Computer Applications and Office
Systems 112A (or 112I and 112Q); Arts 112A (or 112I and 112Q); or CAD and
Digital Imaging 112A (or 112I and 112Q).)
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or
English as a Second Language 261, 262 and 263; Computer Applications and
Office Systems 90GA.
(Also listed as CAD and Digital Imaging 112I and Computer Applications and
Office Systems 112I. Student may enroll in only one department for credit.)
Four hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic principles of using digital imaging software to produce graphics for Web
sites. Introduction to digital imaging terminology and software. This course is
for the content person to produce Web pages using digital images.
ARTS 112Q Digital Imaging Software II (Photoshop) 2 Units
(Students may receive credit for either Computer Applications and Office Systems 112A (or 112I and 112Q); Arts 112A (or 112I and 112Q); or CAD and Digital Imaging 112A (or 112I and 112Q).)
Prerequisite: Arts 112I or CAD and Digital Imaging 112I or Computer Applications and Office Systems 112I.
(Also listed as CAD and Digital Imaging 112Q and Computer Applications and Office Systems 112Q. Student may enroll in only one department for credit.)
Four hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles of using digital imaging software to produce graphics for Web sites. Introduction to digital imaging terminology and software. This course is for the content person to produce Web pages using digital images.

ARTS 113A Web Authoring Software (Dreamweaver) 4 Units
(Students may receive credit for either Computer Applications and Office Systems 113A (or 113I and 113Q); or Arts 113A (or 113I and 113Q).)
Prerequisite: Computer Applications and Office Systems 90GA, 102K, 102L, 102M, or 102T.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as Computer Applications and Office Systems 113A. Student may enroll in either department, but not both, for credit.)
Eight hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles of building Web pages/sites using Web authoring software. Introduction to Web authoring terminology and software. This course is for the content person to develop and maintain an effective Web site.

ARTS 113I Web Authoring Software I (Dreamweaver) 2 Units
(Students may receive credit for either Computer Applications and Office Systems 113A (or 113I and 113Q); or Arts 113A (or 113I and 113Q).)
Prerequisite: Computer Applications and Office Systems 90GA, 102K, 102L, 102M, or 102T.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as Computer Applications and Office Systems 113I. Student may enroll in either department, but not both, for credit.)
Four hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic principles of building Web pages/sites using Web authoring software. Introduction to Web authoring terminology and software. This course is for the content person to develop and maintain an effective Web site.

ARTS 113Q Web Authoring Software II (Dreamweaver) 2 Units
(Students may receive credit for either Computer Applications and Office Systems 113A (or 113I and 113Q); or Arts 113A (or 113I and 113Q).)
Prerequisite: Arts 113I or Computer Applications and Office Systems 113I.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as Computer Applications and Office Systems 113Q. Student may enroll in either department, but not both, for credit.)
Four hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic principles of building Web pages/sites using Web authoring software. Introduction to Web authoring terminology and software. This course is for the content person to develop and maintain an effective Web site.

ARTS 113I Web Graphics/Animation Software I (Flash) 3 Units
(Students may receive credit for either Computer Applications and Office Systems 114A (or 114I and 114Q); or Arts 114A (or 114I and 114Q); or CAD and Digital Imaging 114A.)
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Computer Applications and Office Systems 112A (or 112I and 112Q); or Arts 112A (or 112I and 112Q); or CAD and Digital Imaging 112A (or 112I and 112Q).
(Also listed as CAD and Digital Imaging 114A and Computer Applications and Office Systems 114A. Student may enroll in only one department for credit.)
Six hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles of graphics/animation for the Web. Web graphics/animation terminology and software. This course is for the content person to build a Web site.

ARTS 114I Web Graphics/Animation Software I (Flash) 1 1/2 Units
(Students may receive credit for either Computer Applications and Office Systems 114A (or 114I and 114Q); or Arts 114A (or 114I and 114Q); or CAD and Digital Imaging 114A.)
Prerequisite: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Computer Applications and Office Systems 112A (or 112I and 112Q); or Arts 112A (or 112I and 112Q); or CAD and Digital Imaging 112A (or 112I and 112Q).
(Also listed as Computer Applications and Office Systems 114I. Student may enroll in either department, but not both, for credit.)
Three hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic principles of graphics/animation for the Web. Introduction to Web graphics/animation terminology and software. This course is for the content person to build a Web site.

ARTS 114Q Web Graphics/Animation Software II (Flash) 1 1/2 Units
(Students may receive credit for either Computer Applications and Office Systems 114A (or 114I and 114Q); or Arts 114A (or 114I and 114Q); or CAD and Digital Imaging 114A.)
Prerequisite: Computer Applications and Office Systems 114I or Arts 114I.
(Also listed as Computer Applications and Office Systems 114Q. Student may enroll in either department, but not both, for credit.)
Three hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Intermediate principles of graphics/animation for the Web. Expansion of Web graphics/animation terminology and software. This course is for the content person to build a Web site.

ARTS 116A Web Development Graphics Software (Illustrator) 4 Units
(Students may receive credit for either Computer Applications and Office Systems 116A (or 116I and 116Q); or Arts 116A (or 116I and 116Q); or CAD and Digital Imaging 116A.)
Prerequisite: Computer Applications and Office Systems 112A (or 112I and 112Q); or Arts 112A (or 112I and 112Q); or CAD and Digital Imaging 112A (or 112I and 112Q).
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as CAD and Digital Imaging 116A and Computer Applications and Office Systems 116A. Student may enroll in only one department for credit.)
Eight hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles of using vector-based graphics software to produce graphics for Web sites. Introduction to vector-based graphics terminology and software. This course is for the content person to produce vector graphic images.

ARTS 116I Web Development Graphics Software I (Illustrator) 2 Units
(Students may receive credit for either Computer Applications and Office Systems 116A (or 116I and 116Q); or Arts 116A (or 116I and 116Q); or CAD and Digital Imaging 116A.)
Prerequisite: Computer Applications and Office Systems 112A (or 112I and 112Q); or Arts 112A (or 112I and 112Q); or CAD and Digital Imaging 112A (or 112I and 112Q).
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as CAD and Digital Imaging 116A and Computer Applications and Office Systems 116A. Student may enroll in either department, but not both, for credit.)
Fours hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic principles of using vector-based graphics software to produce graphics for Web sites. Introduction to vector-based graphics terminology and software. This course is for the content person to produce vector graphic images.

ARTS 116Q Web Development Graphics Software II 2 Units
(Students may receive credit for either Computer Applications and Office Systems 116A (or 116I and 116Q); or Arts 116A (or 116I and 116Q); or CAD and Digital Imaging 116A.)
Prerequisite: Computer Applications and Office Systems 116I or Arts 116I.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
(Also listed as Computer Applications and Office Systems 116Q. Student may enroll in either department, but not both, for credit.)
Four hours lecture-laboratory.
Pass-No Pass (P-NP) course.
Basic and intermediate principles of using vector-based graphics software to produce graphics for Web sites. Introduction to vector-based graphics terminology and software. This course is for the content person to produce vector graphic images.
ARTS 117A Advanced Digital Imaging Software (Photoshop) 3 Units
Prerequisite: Computer Applications and Office Systems 112A, or Arts 112A, or CAD and Digital Imaging 112A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Computer Applications and Office Systems 90GA.
(Also listed as CAD and Digital Imaging 117A and Computer Applications and Office Systems 117A. Student may enroll in only one department for credit.)
Six hours lecture-laboratory.

PASS-No Pass (P-NP) course.

Advanced principles and techniques of using digital imaging software to produce graphics for Web sites and printed media. Integration of digital imaging software with Web authoring software. This course is for the content person wishing to produce digital images for Web pages and print media.

ARTS 118A Advanced Web Graphics/Animation Software (Flash) 3 Units
Prerequisite: Computer Applications and Office Systems 114A, or Arts 114A, or CAD and Digital Imaging 114A.
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Computer Applications and Office Systems 90GA.
(Also listed as CAD and Digital Imaging 118A and Computer Applications and Office Systems 118A. Student may enroll in only one department for credit.)
Six hours lecture-laboratory.

PASS-No Pass (P-NP) course.

An advanced Flash course that is projects and portfolio based and taught from a designer's perspective. Students will be taught how to build a portfolio and an interactive multimedia presentation. Basic programming skills will be taught along with developing interactive Web-based multimedia presentations using ActionScripts, sound and graphics.

Astronomy

ASTR 4 Solar System Astronomy 5 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Five hours lecture.
Analyze the physical principles, logic, and development of solar system astronomy from ancient times through the present. Examine earth and sky relationships, exploration of the solar system by spacecraft and earth-based methods, similarities and differences between Earth and other planets, theories of the origin of our planetary system, and properties of other star's planetary systems. Includes multimedia planetarium demonstrations.

ASTR 10 Stellar Astronomy 5 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Five hours lecture.
Analyze the physical principles, logic, and development of stellar astronomy from ancient times to the present, with emphasis on recent developments. Examine the relationship of Earth to its deep-space environment and contrast the Sun to other types of stars. Synthesize the organization in space and time of the hierarchy of the cosmos from stellar systems through the universe on its largest observable scale, and investigate the observational strategies and equipment that are used to investigate it.

ASTR 77 Special Projects in Astronomy 1 Unit
ASTR 77X 2 Units
ASTR 77Y 3 Units
Prerequisite: Consent of instructor and division dean.
Three hours laboratory per week for each unit of credit.
(Any combination of ASTR 77, 77X and 77Y may be taken up to six times, not to exceed 18 units, as long as the projects are different each time.)
PASS-No Pass (P-NP) course.

Individual research in Astronomy. Specific projects to be determined on consultation with the instructor. Outside reading and written report(s) required. These projects are on topics not covered in the regular Astronomy curriculum and require the approval of the PSM&E Division Dean.

Automotive Technology

AUTO 50A Introduction to Automotive Principles 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Four hours lecture per week (equal to forty-eight hours lecture per quarter).
A selective study of the automobile's engine systems. Knowledge and skills necessary for basic repair, maintenance, and troubleshooting of today's engine systems. May be used to fulfill the prerequisite to the Automotive Technology Program.

AUTO 50B Applied Automotive Principles 2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent; Automotive Technology 50A (may be taken concurrently).
Four hours lecture-laboratory per week (equal to forty-eight hours lecture-laboratory per quarter).
Basic lecture-laboratory experiences in automotive repair and maintenance as related to the engine and its supporting systems.

AUTO 51A Introduction to Automotive Principles - Chassis Systems 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Automotive Technology 51A (may be taken concurrently).
Four hours lecture-laboratory per week (equal to forty-eight hours lecture-laboratory per quarter).
A selective study of the automobile's chassis and drive line systems. Knowledge and skills necessary for basic repair, maintenance, and troubleshooting of today's chassis and drive line systems. Can be used to fulfill the prerequisite to the Automotive Technology Program.

AUTO 51B Applications of Automotive Principles (Chassis Systems) 2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent; Automotive Technology 51A (may be taken concurrently).
Four hours lecture-laboratory per week (equal to forty-eight hours lecture-laboratory per quarter).
Basic lecture-laboratory experiences in automotive repair and maintenance as related to: suspension, steering, braking and drive line components.

AUTO 53A Automotive Mechanisms 3 Units
Prerequisite: Approved Automotive Technology Course Sequence Contract.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Six hours lecture-laboratory per week (equal to seventy-two hours lecture-laboratory per quarter).
The application of physical principles to the operation of mechanical, hydraulic, and hydromechanical systems, using an applied physics technique.

AUTO 53B Automotive Electromechanical Systems 2 Units
Prerequisite: Approved Automotive Technology Course Sequence Contract.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
Four hours lecture-laboratory per week (equal to forty-eight hours lecture-laboratory per quarter).
Electrical theories, testing and measuring procedures, circuit construction and schematic interpretation. Application of the principles of magnetism. Fundamentals of operation of semiconductors used as electronic devices and controls.

AUTO 57A Career Research and Employment in the Automotive Industry 2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Two hours lecture per week (equal to twenty-four hours lecture per quarter).
Career research in the automotive industry: job search, applications and resumes, employer-employee relationships, job interviews.

AUTO 58 Hazardous Materials 1/2 Unit
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.
One-half hour lecture per week (equal to six hours lecture per quarter).
Proper handling of hazardous materials in the automotive trade.

AUTO 60 Automotive Electrical Systems 9 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent; Automotive Technology 50A and 50B.
Nine hours lecture per week (equal to one-hundred-eight hours lecture per quarter).
Principles of electricity, electronics, cranking, and charging systems. Testing, diagnosis and repair of these systems.

AUTO 60A Electrical Schematic Diagnosis 4 1/2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent; Automotive Technology 60.
Four and one-half hours lecture per week (equal to fifty-four hours lecture per quarter).
Theory of operation for electrical, electronic, and electromechanical accessory systems. Understanding and using wiring diagrams, schematics, and other diagnostic information to troubleshoot electrical, electronic, and electromechanical systems. Preparation for Automotive Service Excellence (ASE) examination in areas A6, A8, and L1.