<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AAS 020</td>
<td>AAS 020 - Women of Color in the US</td>
<td>Constructs knowledge of the historical and contemporary experience of women of color. Focuses on Native American, African American, Latina, and Asian American women and considers contributions they have made to the shaping of the nation. GE Area: D2</td>
</tr>
<tr>
<td>AAS 025</td>
<td>AAS 025 - The Changing Majority: Power and Ethnicity in America</td>
<td>Comparative and historical analysis of racial minorities. Focus on Euro American response to American Indians, Asian Americans, African Americans and Mexican Americans to provide understanding of minority experience in the U.S. as well as American culture. GE Area: D2</td>
</tr>
<tr>
<td>AAS 033A/B</td>
<td>AAS 033A - Asian Americans in U.S. History I</td>
<td>Historical and political processes shaping U.S. culture, institutions and society from before European expansion to the Civil War. Focus on the roles of workers, immigrants, and people of color from a comparative perspective. GE Area: D2</td>
</tr>
<tr>
<td></td>
<td>AAS 033B - Asian Americans in U.S. History II</td>
<td>Historical and political factors that shaped U.S. culture, institutions and society from the mid-nineteenth century to the current era. Focus on experiences of Asian Americans as well as other immigrants and people of color. GE Area: D3, and American Institution Requirement: US1,2,3</td>
</tr>
<tr>
<td>ADV 091</td>
<td>ADV 091 - Introduction to Advertising</td>
<td>Comprehensive survey of the basic principles of advertising. Topics include: strategic planning, integrated communications, audience targeting, creative strategy, advertising media, social responsibility, advertising ethics, international advertising and current issues in advertising.</td>
</tr>
<tr>
<td>AE 015</td>
<td>AE 015 - Air &amp; Space Flight: Past, Present, and Future</td>
<td>Introduction to the history, basic principles, current and future developments of the aerospace engineering field through projects, guest speakers and field trips.</td>
</tr>
<tr>
<td>AE 020</td>
<td>AE 020 - Computer-Aided Design for Aerospace Engineers</td>
<td>The course provides an introduction to the fundamentals of drafting and computer-aided design with applications in aircraft and spacecraft design.</td>
</tr>
<tr>
<td>AFAM 002A/B</td>
<td>AFAM 002A - African-Americans and the Development of America's History and Government</td>
<td>Major events in America's development, emphasizing African-Americans' relationship to government and other basic institutions. GE Area: D2</td>
</tr>
<tr>
<td></td>
<td>AFAM 002B - African-Americans and the Development of America's History and Government</td>
<td>Major events in America's development, emphasizing African-Americans' relationship to government and other basic institutions. GE Area: D3, meets additional GE Areas when taken with AFAM 2A</td>
</tr>
<tr>
<td>AFAM 025</td>
<td>AFAM 025 - The Changing Majority: Power and Ethnicity in America</td>
<td>Comparative and historical analysis of racial minorities. Focus on Euro American response to American Indians, Asian Americans, African Americans and Mexican Americans to provide understanding of minority experience in the U.S. as well as American culture. GE Area: D2</td>
</tr>
<tr>
<td>AMS 01A</td>
<td>AMS 001A - American Cultures to 1877</td>
<td>American culture examined through political, literary, artistic, economic and social development. American values, ideas and institutions from popular culture as well as traditional sources. GE Area: C1 and D2, meets additional GE Areas when taken as sequence.</td>
</tr>
<tr>
<td>AMS 01B</td>
<td>AMS 001B - American Cultures 1877 to present</td>
<td>American culture examined through political, literary, artistic, economic and social development. American values, ideas and institutions from popular culture as well as traditional sources. GE Area: C2 and D3, meets additional GE when taken in sequence.</td>
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<tr>
<td>ANTH 011</td>
<td>ANTH 011 - Cultural Anthropology</td>
<td>Basic concepts, theories and methods used in the comparative study of socio-cultural systems. Includes cultural ecology and change; political, economic and kinship systems; language, art and religion; cultural perspectives on contemporary issues. GE Area: D1</td>
</tr>
<tr>
<td>ANTH 012</td>
<td>ANTH 012 - Introduction to Human Evolution</td>
<td>The human organism from an evolutionary perspective. The foundations of life and evolutionary theory. Introduction to primate behavior and the fossil record. Human biocultural evolution over the last sixty million years. GE Area: B2</td>
</tr>
<tr>
<td>ANTH 013</td>
<td>ANTH 013 - Archaeology</td>
<td>How archaeologists invent their own version of the past, illustrated with compelling Old and New World discoveries from early prehistory to the present. How archaeological sites are discovered, excavated and analyzed; how facts are tested and fictions unmasked. GE Area: A3</td>
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<tr>
<td>ART 001</td>
<td>ART 001 - Professional Preparation in Art</td>
<td>Introduction to skills and documents needed in preparation for professional careers in the arts; orientation to SJSU. Intended for BA/BFA ART majors and minors.</td>
</tr>
<tr>
<td>ART 002</td>
<td>ART 002 - The Artist in Contemporary Culture</td>
<td>Introduces art beginners to roles that artists play in contemporary culture. Critical readings and problem-solving: principles of form and theory and research applied to real-world situations confronted by contemporary artists. Orientation to SJSU.</td>
</tr>
<tr>
<td>ART 012</td>
<td>ART 012 - Two-Dimensional Design and Color Concepts</td>
<td>Theories and applications of two-dimensional design and color in visual art and design. Studio practice.</td>
</tr>
<tr>
<td>ART 024</td>
<td>ART 024 - Drawing I</td>
<td>Elements and principles of drawing. Studio practice emphasizing line, shape and light-dark used in visual art and design.</td>
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<tr>
<td>ART 026</td>
<td>ART 026 - Drawing II</td>
<td>Observation and depiction of volume and perspective.</td>
</tr>
<tr>
<td>ART 039</td>
<td>ART 039 - Multicultural Arts for Children</td>
<td>Focus on teaching arts of many cultures, places and times to young people (preschool through high school).</td>
</tr>
<tr>
<td>ART 046</td>
<td>ART 046 - Introduction to Ceramics</td>
<td>Studio work in ceramics; a survey of methods used by contemporary artists. Includes use of the potter’s wheel, handbuilding techniques, clay preparation, glazing and firing for utilitarian and sculptural work.</td>
</tr>
<tr>
<td>ART 047</td>
<td>ART 047 - Introduction to Metalsmithing</td>
<td>Introduction to tools, materials and techniques for small scale metal work. Primer course for metalsmithing and jewelry.</td>
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<tr>
<td>ART 061</td>
<td>ART 061 - Beginning Painting</td>
<td>Studio practice in selected media. Specific content, materials and subject matter may vary with instructors.</td>
</tr>
<tr>
<td>ART 068</td>
<td>ART 068 - Beginning Sculpture: Object &amp; Concept</td>
<td>Introduction to core sculptural media: woodworking, welding, mold-making, metal-casting and working with found objects. Emphasis on concept development and critical thinking.</td>
</tr>
<tr>
<td>ART 074</td>
<td>ART 074 - Introduction to Digital Media</td>
<td>Fundamental concepts and methods of Digital Media production. Introduction to visualization software applications and web presentation techniques.</td>
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<tr>
<td>ARTH 015</td>
<td>ARTH 015 - Intro to Visual Culture</td>
<td>Key ideas and debates pertaining to visual culture considered through interdisciplinary study of art and media as significant social forces. GE Area: C1</td>
</tr>
<tr>
<td>AS 001A/B</td>
<td>AS 001A - The Foundation of the United States Air Force</td>
<td>Introduces students to the Air Force and AFROTC with an overview of basic characteristics, missions, and organization of the Air Force; additional topics include officership and professionalism, career opportunities, military customs and courtesies, and an introduction to communications skills.</td>
</tr>
<tr>
<td>AS 001B</td>
<td>AS 001B - The Foundation of the United States Air Force</td>
<td>Introduces students to the Air Force and AFROTC with an overview of basic characteristics, missions, and organization of the Air Force; additional topics include officership and professionalism, career opportunities, military customs and courtesies, and an introduction to communications skills.</td>
</tr>
<tr>
<td>AS 002A/B</td>
<td>AS 002A - The Evolution of USAF Air and Space Power</td>
<td>Examines general aspects of air and space power through historical study and analysis and provides the student with a knowledge level understanding of the capabilities, function and doctrinal employment of aerospace forces; emphasizes development of oral and written communication skills.</td>
</tr>
<tr>
<td>AS 002B</td>
<td>AS 002B - The Evolution of USAF Air and Space Power</td>
<td>Examines general aspects of air and space power through historical study and analysis and provides the student with a knowledge level understanding of the capabilities, function and doctrinal employment of aerospace forces; emphasizes development of oral and written communication skills.</td>
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<tr>
<td>ASTR 10</td>
<td>ASTR 010 - Descriptive Astronomy</td>
<td>A generally non-mathematical examination of principles, facts and logic of astronomy, emphasizing arrangement, origin and evolution of the solar system. GE Area: B1</td>
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<td>Any course can be selected.</td>
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<tr>
<td>AVIA 002</td>
<td>AVIA 002 - Introduction to Aviation</td>
<td>Concepts, responsibilities, and professional ethics of an aviation professional. History of aviation, FAA certification, qualifications and privileges of aviation professionals. Career opportunities, career paths and progression.</td>
</tr>
<tr>
<td>BIOL 010</td>
<td>BIOL 010 - The Living World</td>
<td>Provides students with an understanding of the most fundamental concepts of modern biology including ecology (the interaction between organisms and their environment), human inheritance, the structure and function of living organisms, evolution, strategies for survival and reproduction, and biotechnology. GE Area: B2</td>
</tr>
<tr>
<td>BIOL 020</td>
<td>BIOL 020 - Ecological Biology</td>
<td>Introduction to diversity, ecology, evolution and behavior. In conjunction with BIOL 21 a more complete survey of biology. GE Area: B2 and B3</td>
</tr>
<tr>
<td>BIOL 021</td>
<td>BIOL 021 - Human Biology</td>
<td>Introduction to physiology, reproduction, development, heredity and aging. With BIOL 20 a more complete survey of biology. GE Area: B2 and B3</td>
</tr>
<tr>
<td>BIOL 054</td>
<td>BIOL 054 - Human Understanding</td>
<td>Major issues in health and disease, learning and memory, maturation and aging (such as diet, exercise, mind-body medicine, and addictions). Emphasis on learning how to understand and apply physiologic information for personal growth and lifelong learning. GE Area: E</td>
</tr>
<tr>
<td>BUS3 010</td>
<td>BUS3 010 - Discovering Business</td>
<td>Simulates setting up a small business to explore the many facets of an enterprise (marketing, accounting, finance, management, information systems, etc.). Through self-assessment and readings, directs students toward career paths that best reflect their personal aptitudes and interests.</td>
</tr>
<tr>
<td>BUS3 012</td>
<td>BUS3 012 - Money Matters</td>
<td>Learn to manage your money for a more meaningful life: afford your life goals, pay for college, avoid financial stress, talk to family about money, choose a credit card, understand investing. Bonus: learn how to pump-up your grades. GE Area: E</td>
</tr>
<tr>
<td>BUS4 091L</td>
<td>BUS4 091L - Computer Tools for Business</td>
<td>Fundamentals of spreadsheet software through in-class exercises and individual assignments. Team projects to improve students' collaboration and communication skills, using online tools to produce slide and video presentations.</td>
</tr>
<tr>
<td>BUS5 016</td>
<td>BUS5 016 - Introduction to Leadership &amp; Innovation</td>
<td>This interdisciplinary course covers basic theories of leadership and innovation and investigates key topics that influence contemporary social leadership issues. Students assess their leadership styles to create personal development plans leading toward positive, innovative impacts on society.</td>
</tr>
<tr>
<td>CA 060</td>
<td>CA 060 - Creativity Matters</td>
<td>Study why creativity matters to you from imagining possible career paths to improving communication, expressing ideas, and flourishing over the course of ones lifetime. Creativity is not just for artists and inventors! It is a human faculty that matters for life. GE Area: E</td>
</tr>
<tr>
<td>CHAD 060</td>
<td>CHAD 060 - Child Development</td>
<td>The child in the family and community from prenatal life throughout the adolescent years. Observation required. GE Area: E</td>
</tr>
<tr>
<td>CHAD 070</td>
<td>CHAD 070 - Lifespan Development in the 21st Century</td>
<td>Understanding life-long development in the 21st century is promoted through studying theories, research, and the role of culture in shaping physical, cognitive, social, and emotional development. We explore commonalities and differences in human development to understand ourselves as global citizens. GE Area: E</td>
</tr>
<tr>
<td>CHAD 075</td>
<td>CHAD 075 - Imagination, Play and Adult Creativity</td>
<td>Explores childhood play and imagination as well as adult creativity and the influence of value systems, economic structures, political institutions, social groups and natural environments on the development of play, imagination and creativity. GE Area: D1</td>
</tr>
<tr>
<td>CHEM 030A/B</td>
<td>CHEM 030A - Introductory Chemistry</td>
<td>The physical world as seen by a chemist; the ways this world affects humans, other animals and plants used as illustrations of fundamental general chemistry. GE Area: B1 and B3</td>
</tr>
<tr>
<td></td>
<td>CHEM 030B - Introductory Chemistry</td>
<td>Organic compounds produced both in nature and artificially and the reactions they undergo, particularly in the human.</td>
</tr>
<tr>
<td>CHIN 001A/B</td>
<td>CHIN 001A - Elementary Chinese</td>
<td>Basic skills and structure of the language in the context of culture. GE Area: C2</td>
</tr>
<tr>
<td></td>
<td>CHIN 001B - Elementary Chinese</td>
<td>Basic skills and structure of the language in the context of culture. GE Area: C2</td>
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<td>Course Code</td>
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<tr>
<td>CHIN 025A/B</td>
<td>CHIN 025A - Intermediate Chinese</td>
<td>Development of basic skills in the use of Mandarin; preparation for advanced courses in the language. GE Area: C2</td>
</tr>
<tr>
<td></td>
<td>CHIN 025B - Intermediate Chinese</td>
<td>Continuation of CHIN 025A. Preparation for advanced courses in the language. GE Area: C2</td>
</tr>
<tr>
<td>COMM 010</td>
<td>COMM 010 - Communication and Human Relationships</td>
<td>Course examines role of communication in developing/maintaining human relationships. Discussion focuses on relational communication processes as they occur in various settings, such as the intercultural, the family, the intimate, the organizational, the public and between/within genders. GE Area: C2</td>
</tr>
<tr>
<td>COMM 020/020N</td>
<td>COMM 020 - Public Speaking</td>
<td>Principles of rhetoric applied to oral communication; selecting, analyzing, adapting, organizing and delivering ideas effectively. GE Area: A1</td>
</tr>
<tr>
<td></td>
<td>COMM 020N - Public Speaking for Nonnative Speakers</td>
<td>Public speaking for the nonnative speaker. Course content identical to COMM 20 with intercultural emphasis. GE Area: A1</td>
</tr>
<tr>
<td>COMM 040</td>
<td>COMM 040 - Argumentation and Advocacy</td>
<td>Principles of inquiry and advocacy in public discussion and necessary basic skills for intelligent participation in discussion and debate. GE Area: A1</td>
</tr>
<tr>
<td>COMM 074</td>
<td>COMM 074 - Fundamentals of Intercultural Communication</td>
<td>Emphasis on direct experience and the development of skill in intercultural communication. Provides opportunity for discussion of variations within and among cultures. Encourages students to examine their own cultural heritage. GE Area: E</td>
</tr>
<tr>
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<td>COMM 074Q - Fundamentals of Intercultural Communication</td>
<td>Emphasis on direct experience and the development of skill in intercultural communication. Provides opportunity for discussion of variations within and among cultures. Encourages students to examine their own cultural heritage. GE Area: E</td>
</tr>
<tr>
<td>COMM 080</td>
<td>COMM 080 - Communication Workshop</td>
<td>Designed to enhance students' personal and professional communication and public speaking skills. Flexible student-directed course requires completion of instructional modules and workshops.</td>
</tr>
<tr>
<td>COMM 091J</td>
<td>COMM 091J - Judge Training</td>
<td>Community service course designed to train students to judge high school speech and debate tournaments. Students are taught the rules and given criteria for judging each event in oral interpretation of prose poetry, and drama; platform speaking; debate; and Student Congress. Students are required to write cogent ballots that help competitors.</td>
</tr>
<tr>
<td>CS 040</td>
<td>CS 040 - Introduction to Computers</td>
<td>For students with little or no computer experience. Topics include: history of computing, user interfaces, computer applications, programming, hardware and software, computer networks.</td>
</tr>
<tr>
<td>DANC 010</td>
<td>DANC 010 - Dance Appreciation</td>
<td>A survey of dance as art in the Western world. The course examines the diversity of people, cultures and events that led to the development of Ballet, Modern, Jazz, Tap and Musical Theatre Dance. GE Area: C1</td>
</tr>
<tr>
<td>DANC 012</td>
<td>DANC 012 - Ensemble Dance Rehearsal and Performance</td>
<td>ENS: Training and performance experience in the field of dance. Fully-staged productions of original professional choreographic works.</td>
</tr>
<tr>
<td>DANC 040A</td>
<td>DANC 040A - Topics in Modern Dance I</td>
<td>Training experience in the field of beginning modern dance with varied topics. Can be repeated when topic changes.</td>
</tr>
<tr>
<td>DANC 041A</td>
<td>DANC 041A - Topics in Ballet I</td>
<td>Training experience in the field of beginning ballet dance with varied topics. Can be repeated when topic changes.</td>
</tr>
<tr>
<td>DANC 042A</td>
<td>DANC 042A - Topics in Jazz Dance I</td>
<td>Training experience in the field of beginning Jazz dance with varied topics. Can be repeated when topic changes.</td>
</tr>
<tr>
<td>DANC 043</td>
<td>DANC 043 - Dance Improvisation</td>
<td>Introduction to dance improvisation, developing skills in creativity in preparation for DANC 145A.</td>
</tr>
<tr>
<td>DANC 049A/B</td>
<td>DANC 049A - Topics in Tap Dance I</td>
<td>Training and experience in the field of beginning tap dance with varied topics. Can be repeated when topic changes.</td>
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<td>DANC 049B - Topics in Tap Dance II</td>
<td>Training and experience in the field of intermediate tap dance with varied topics. Can be repeated for up to 2 units of credit when topic changes.</td>
</tr>
<tr>
<td>DANC 051A</td>
<td>DANC 051A - Dance Production</td>
<td>Practical experience in technical aspects of producing a dance concert.</td>
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<tr>
<td>DANC 054</td>
<td>DANC 054 - Topics in Dance Technique II</td>
<td>Beginning/Intermediate Dance with varied topics.</td>
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<tr>
<td>DANC 075</td>
<td>DANC 075 - Rhythm and Dynamics in Dance</td>
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<td>Basic music theory and the relationship of dance and music.</td>
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<td>DSGD 063</td>
<td>DSGD 063 - Fundamental Graphic Visualization</td>
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<td>Critical examination and theories on how to work with two-dimen-</td>
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<td>sional compositional space and the interrelated basic principles,</td>
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<td>attributes, and elements of graphic design, includes the rela-</td>
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<td>tionships between some production methods and materials.</td>
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<tr>
<td>DSGD 083</td>
<td>DSGD 083 - Digital Applications: Basics</td>
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<td>The fundamental use of features and functions inherent within</td>
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<td>graphic software programs for graphic design.</td>
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<td>DSGD 099</td>
<td>DSGD 099 - Introduction to Typography</td>
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<tr>
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<td>Study and demonstration of letterforms and fundamental typog-</td>
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<td>raphic principles. Emphasis on the vocabulary of typographic</td>
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<td>form and its relationship to message/purpose.</td>
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<tr>
<td>DSID 021</td>
<td>DSID 021 - Visualization I</td>
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<td>Presenting design concepts in both preliminary and finished</td>
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<td>states. Appraisal and application of media used in industry.</td>
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<td>Includes elements of color theory.</td>
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<tr>
<td>DSID 022</td>
<td>DSID 022 - Visualization II</td>
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<td>Sketching techniques commonly used by designers for communicating</td>
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<td>their concepts.</td>
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<tr>
<td>DSID 031</td>
<td>DSID 031 - Industrial Design Foundation I</td>
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<td>Practical exploration of the basics of industrial design aesthetics. Introduction to the design process with special emphasis on 3D form development and presentation.</td>
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<tr>
<td>DSID 032</td>
<td>DSID 032 - Industrial Design Foundation II</td>
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<td>Development and application of basic industrial design skills,</td>
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<td>methodology and aesthetics to elementary product design. Project</td>
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<td>assignments leading from abstract exercises to actual product</td>
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<td>design.</td>
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<tr>
<td>DSID 032A</td>
<td>DSID 032A - ID Portfolio Project I</td>
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<td>ID portfolio project class combines 2D and 3D skills from previ-</td>
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<td>ous ID classes, in the first complete product design application.</td>
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<td>Complete presentation for ID faculty review required.</td>
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<tr>
<td>DSIT 005</td>
<td>DSIT 005 - Introduction of Interior Design and Architecture</td>
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<td>A comprehensive introduction to the field of Interior Architec-</td>
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<td>ture. Focuses on social, psychological, economic and aesthetic</td>
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<td>challenges facing designers in the 21st century. Integration of</td>
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<td>design principles, creative expression and consumer information</td>
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<td>pertaining to living environments and public spaces.</td>
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<td>DSIT 010</td>
<td>DSIT 010 - Sketching, Drawing + Modeling</td>
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<td>Explore the processes of conceptual sketching and drawing. Uti-</td>
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<td>lize and teach architectural documentation techniques such as in-</td>
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<td>terior: floor plans, reflected ceiling plans, elevations, sec-</td>
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<td>tions, details, perspectives and axonometric drawings. Demon-</td>
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<td>strate techniques in pencil, contemporary pens, markers, and art-</td>
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<td>istic visualization techniques.</td>
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<tr>
<td>DSIT 015</td>
<td>DSIT 015 - Architectural Drawing and 3D Modeling</td>
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<td>Study, exploration and comprehensive development of the technical</td>
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<td>and conceptual aspects of architectural drawing and architec-</td>
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<td>tural modelmaking used to visualize innovative and functional</td>
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<td>interior spaces.</td>
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<tr>
<td>DSIT 029</td>
<td>DSIT 029 - Design Process</td>
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<td>Development of skills to work with point, line and plane to cre-</td>
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<td>ate volumes with spatial relationships.</td>
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<tr>
<td>DSIT 033</td>
<td>DSIT 033 - Architectural Presentation</td>
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<td>Further study, exploration, and comprehensive development of the</td>
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<td>technical and conceptual aspects of architectural drawing and</td>
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<td>modelmaking used to visualize innovative and functional inte-</td>
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<tr>
<td>DSIT 034</td>
<td>DSIT 034 - Interior Architecture Foundation Studio</td>
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<td>In-depth study exploration and comprehensive development of in-</td>
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<td>novative and functional interior spaces using the technical and</td>
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<td>conceptual aspects of architectural drawing and architectural</td>
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<td>model making and the theoretical and conceptual methodologies</td>
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<td>used to formulate interior architectural space. Course empha-</td>
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<td>sizes design theory, process, programming and human factors.</td>
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<td>Focus on residential and small-scale commercial building types.</td>
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<tr>
<td>DSIT 083</td>
<td>DSIT 083 - Visual Communication I</td>
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<td></td>
<td>Principles of digital drawing and presentation tools essential</td>
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<td>to 2D architectural representation. Principle skills and dis-</td>
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<td>ciplines of making 3D forms through the use of digital technol-</td>
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<td>EDCO 004</td>
<td>EDCO 004 - Personal, Academic and Career Exploration</td>
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<td>This course explores the concepts and applications of personal</td>
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<td>decision-making. Introduction to life-span development concepts</td>
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<td>through the use of self-assessment instruments and procedures.</td>
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<td>Orientation to San Jose State University. GE Area: E</td>
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<tr>
<td>EDSE 014A</td>
<td>Introductory course covering basic vocabulary and grammatical structures, appropriate cultural and linguistic behaviors within the deaf community and basic information about the deaf community.</td>
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<tr>
<td>EDSE 014B</td>
<td>Continuation of EDSE 14A. Covers additional basic vocabulary and grammatical structures, cultural and linguistic behaviors within the deaf community and information about the deaf community.</td>
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<tr>
<td>ENGL 001A</td>
<td>English 1A is an introductory course that prepares students to join scholarly conversations across the university. Students develop reading skills, rhetorical sophistication, and writing styles that give form and coherence to complex ideas for various audiences, using a variety of genres. GE Area: A2</td>
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<tr>
<td>ENGL 001AF</td>
<td>Stretch I is the first semester of a year-long ENGL 1A that prepares students to join scholarly conversations across the university. Students develop reading skills, rhetorical sophistication, and writing styles that give form and coherence to complex ideas for various audiences, using various genres. GE Area: A2</td>
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<tr>
<td>ENGR 008Q</td>
<td>Combination of workshop and lab exercises emphasizing group interaction, communications skills and problem solving for incoming students. May be repeated for a total of 2 units.</td>
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<tr>
<td>FREN 001A</td>
<td>Basic structure of the language in the context of culture. GE Area: C2</td>
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<tr>
<td>FREN 001B</td>
<td>Basic structure of the language in the context of culture. GE Area: C2</td>
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<tr>
<td>FREN 001X</td>
<td>Self-paced individualized instruction.</td>
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<tr>
<td>FREN 001Y</td>
<td>Self-paced individualized instruction.</td>
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<tr>
<td>FREN 025A</td>
<td>Intensive training in reading authentic texts of a broad variety of genres in French to increase the students' proficiency from ACTFL Low Intermediate to Mid and High Intermediate levels. GE Area: C2</td>
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<tr>
<td>FREN 025B</td>
<td>Intensive practice in French expository writing to increase the students' written proficiency from ACTFL Low Intermediate to Mid and High levels. Review of major grammatical rules, vocabulary development and introduction to translation. GE Area: C2</td>
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<tr>
<td>FS 011</td>
<td>This survey course introduces students to the profession of forensic science. Topics include the field's history and sub-disciplines, the CSI Effect, the application of the scientific method to physical evidence analysis. Virtual labs may be used to augment readings.</td>
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<tr>
<td>GEOG 001</td>
<td>Atmospheric, biologic and geologic processes that create the natural environments of the world. Discovery of local, regional and global patterns in the location and distribution of environmental phenomena, and the human modifications of natural environments. GE Area: B1</td>
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<tr>
<td>GEOG 010</td>
<td>The human population studied through the perspective of cultural groups, their institutions and geographic distributions, how different people occupy, use, and modify their environment, and the interaction of individuals from one group with those of another. GE Area: D1</td>
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<tr>
<td>GEOG 012</td>
<td>Comparative geography of our world: regions and countries, natural environments and resources, settlements and land use, cultural diversity, economic and political patterns. GE Area: D2</td>
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<tr>
<td>GERM 001A</td>
<td>Basic structure of the language in the context of culture. GE Area: C2</td>
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<tr>
<td>GERM 025A/B</td>
<td>Intermediate German</td>
<td>Review of basic grammar expansion of vocabulary and communication skills in the context of culture. GE Area: C2</td>
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<tr>
<td>GERM 025B</td>
<td>Intermediate German</td>
<td>Introduction of complex grammatical features, continued expansion of vocabulary and communication skills in the context of culture. GE Area: C2</td>
</tr>
<tr>
<td>HEBR 010A</td>
<td>Elementary Hebrew</td>
<td>Basic structure of the language in the context of culture.</td>
</tr>
<tr>
<td>HEBR 015A</td>
<td>Intermediate Hebrew</td>
<td>Developing speaking skills.</td>
</tr>
<tr>
<td>HIST 001A/B</td>
<td>World History to 1500</td>
<td>Introduces students to the world's regions and civilizations as interconnected entities. HIST 1A examines the growth and development of traditional civilizations to 1500. HIST 1B surveys the transformation of civilizations since 1500. HIST 001B</td>
</tr>
<tr>
<td>HIST 015</td>
<td>Essentials of U.S. History</td>
<td>Treatment of essentials of U.S. history. Satisfies the American Institutions requirement in U.S. history (US1) and the Core GE requirement in Social Sciences: Comparative Systems, Cultures, and Environments (D2). GE Area: D2 and American Institution Requirement: US1</td>
</tr>
<tr>
<td>HIST 099</td>
<td>History Fundamentals</td>
<td>An introduction to the skills, technology and technique of history reading, writing and research. It is a prerequisite to History 100W. Sophomores and transferring juniors are required to take this course.</td>
</tr>
<tr>
<td>HS 001</td>
<td>Understanding Your Health</td>
<td>Introductory course on the interdependence of the physiological, social and psychological factors influencing the healthy well-being of individuals throughout the life span. Emphasis is on identifying and utilizing both university and community resources to assist in personal and educational development. GE Area: E</td>
</tr>
<tr>
<td>HS 015</td>
<td>Human Life Span</td>
<td>Emphasizes growth and development of the individual from conception to death - perspective on biological, cultural, sociological and psychological changes and continuities during the human life span. Special attention will be given to socioeconomic status, gender and ethic variations. GE Area: D1</td>
</tr>
<tr>
<td>HSPM 001</td>
<td>Introduction to Hospitality Management</td>
<td>Overview of structure and financial performances of hospitality industry; food and lodging, resorts, tourism enterprises, attractions and related operations. Focus on orientation to customer service, cultural/economic trends and career opportunities.</td>
</tr>
<tr>
<td>HSPM 011</td>
<td>Restaurant Management</td>
<td>Overview of food and beverage with emphasis on food quality.</td>
</tr>
<tr>
<td>HSPM 065</td>
<td>Professional Seminar in Hospitality Mgmt</td>
<td>Designed for students who have declared a major in the Hospitality, Tourism and Event Management degree. The topics selected will facilitate the student's entry into the academic program and the profession of hospitality management.</td>
</tr>
<tr>
<td>HUM 01A</td>
<td>World Cultures and Societies- Honors</td>
<td>Prehistory to the seventeenth century. Courses cover political, historical, social-institutional, philosophical, and literary thought and the arts of the ancient world. GE Areas: C1 and C2. Prerequisite: Application to program</td>
</tr>
<tr>
<td>HUM 010</td>
<td>Chronicles of Education</td>
<td>This course uses chronicles, or narratives, to expand traditional views about the sites where education takes place and to articulate the educational forces that shape individuals and societies. GE Area: C2</td>
</tr>
<tr>
<td>HUM 090</td>
<td>Bible History and Literature</td>
<td>The Bible in context of its history, literary sources and as a reflection of Jewish and Christian traditions. Motifs and themes in light of their original audience, historic usage and contemporary development. GE Area: C2</td>
</tr>
<tr>
<td>HUM 099</td>
<td>Death, Dying and Religions</td>
<td>Is death the end or the beginning? Learn how people integrate the physical, emotional, psychological, and spiritual dimensions of living and dying. Examine religious teachings and practices for making death personally meaningful, socially significant, or even politically powerful. GE Area: E</td>
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<tr>
<td>ITAL 001A/X/Y</td>
<td>ITAL 001A - Elementary Italian</td>
<td>Basic skills and structure of the language in the context of culture.</td>
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<td>ITAL 001X - Elementary Italian - Individualized Learning</td>
<td>Alternate to ITAL 1A and ITAL 1B. Student sets own rate of progress. May be repeated for a 5 unit maximum.</td>
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<td>ITAL 001Y - Elementary Italian - Individualized Learning</td>
<td>Alternate to ITAL 1A and ITAL 1B. Student sets own rate of progress. May be repeated for a 5 unit maximum.</td>
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<tr>
<td>ITAL 002</td>
<td>ITAL 002 - Basic Reading and Writing</td>
<td>Sentence structure and idiomatic usage in compositions, translations and simple essays.</td>
</tr>
<tr>
<td>JOUR 061</td>
<td>JOUR 061 - Writing for Print, Electronic and Online Media</td>
<td>Introduction to writing for media--newspapers, magazines, electronic and the Internet--as well as producing content for multi-media distribution in a converged media environment. Emphasis on how different media require different writing styles and content.</td>
</tr>
<tr>
<td>JPN 001A/B</td>
<td>JPN 001A - Elementary Japanese</td>
<td>Basic skills and structure of the language in the context of culture. GE Area: C2</td>
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<td>JPN 001B - Elementary Japanese</td>
<td>Basic skills and structure of the language in the context of culture. GE Area: C2</td>
</tr>
<tr>
<td>JPN 025A/B</td>
<td>JPN 025A - Intermediate Japanese</td>
<td>Continuation of JPN 001B. Preparation for advanced courses in the language. GE Area: C2</td>
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<tr>
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<td>JPN 025B - Intermediate Japanese</td>
<td>Continuation of JPN 025A. Preparation for advanced courses in the language. GE Area: C2</td>
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<tr>
<td>JS 010</td>
<td>JS 010 - Introduction to Justice Studies</td>
<td>Historical and philosophical development of the justice system. Description, analysis and evaluation of criminal justice agencies. Relationship between theory and practice.</td>
</tr>
<tr>
<td>JS 012</td>
<td>JS 012 - Introduction to Legal Studies</td>
<td>The course presents historical and modern perspectives of the theories and structures of law, and provides an overview of the economic and sociological challenges to law making. This course also examines the nexus between law, social change, and dispute resolution.</td>
</tr>
<tr>
<td>JS 025</td>
<td>JS 025 - Introduction to Human Rights and Justice</td>
<td>This course is a lower division introduction to the history of human rights as a concept and body of international law, and to the complicated role of human rights in contemporary social justice campaigns. GE Area: D3</td>
</tr>
<tr>
<td>JWSS 010A</td>
<td>JWSS 010A - Elementary Hebrew</td>
<td>Basic structure of the language in the context of culture.</td>
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<td>JWSS 015A</td>
<td>JWSS 015A - Intermediate Hebrew</td>
<td>Developing speaking skills.</td>
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<tr>
<td>LING 020</td>
<td>LING 020 - Nature of Language</td>
<td>Introduction to the nature of language as a social institution and practice in observing language structure and use in local speech communities. GE Area: D1</td>
</tr>
<tr>
<td>LING 021</td>
<td>LING 021 - Language and Thinking</td>
<td>Exploring systems of language and logic in oral and written discourse, with a focus on the role of shared cultural assumptions, language style and the media of presentation in shaping the form and content of argumentation. GE Area: A3</td>
</tr>
<tr>
<td>LING 022</td>
<td>LING 022 - Language across the Lifespan</td>
<td>Introduction to what is known about how people successfully learn second languages, with a focus on physiological, psychological, social-cultural and linguistic factors that affect second language acquisition, and on skills and strategies that promote language learning across the lifespan. GE Area: E</td>
</tr>
<tr>
<td>MAS 010A/B</td>
<td>MAS 010A - Mexican Americans and the Development of U.S. History and Government</td>
<td>The American people and institutions from various ethnic points of view. Historical similarities and differences of various groups that make up the U.S. and its historical/political institutions. From pre-Columbian times to 1865. GE Area: D2, meets additional GE Areas when taken with MAS 10B.</td>
</tr>
<tr>
<td></td>
<td>MAS 010B - Mexican Americans and the Development of U.S. History and Government</td>
<td>The American people and institutions from various ethnic points of view. Historical similarities and differences of various groups that make up the U.S. and its historical/political institutions. From 1865 to the present. GE Area: D3, meets additional GE Areas when taken with MAS 10A.</td>
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<td>MAS 025 - The Changing Majority: Power and Ethnicity in America</td>
<td>Basic structure of the language in the context of culture.</td>
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<td>MAS 030</td>
<td><strong>Race and Ethnicity in Public Space</strong>&lt;br&gt;This course focuses on race and ethnicity. Using readings, field trips, media images, and course discussion students learn about racialization in American society. We explore uses of racial and ethnic categories and their institutionalization in everyday life. GE Area: D1</td>
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<tr>
<td>MAS 074</td>
<td><strong>Public Address</strong>&lt;br&gt;Techniques of effective oral communication. Principles of rhetoric through analysis and critique of contemporary issues concerning Mexican Americans. GE Area: A1</td>
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<tr>
<td>MATH 001/1001S</td>
<td><strong>Mathematical Reasoning</strong>&lt;br&gt;Focus on foundational mathematical skills and knowledge in the context of contemporary society. GE Area: B4.&lt;br&gt;<strong>1001S - Support for Mathematical Reasoning</strong>&lt;br&gt;This 2-hour activity class reviews background material and provides discussion/workshop time for Mathematical Reasoning (Math 1), as additional support for students who require it.</td>
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<tr>
<td>MATH 008/018A</td>
<td><strong>College Algebra</strong>&lt;br&gt;Review of basic algebra. Complex numbers, functions, graphs, polynomials, inverse functions, exponential and logarithmic functions. GE Area: B4.&lt;br&gt;<strong>008W/018AW - College Algebra Workshop</strong>&lt;br&gt;Students work in groups on college algebra material to help them understand college algebra concepts more thoroughly since it is the groundwork for success in future math courses.</td>
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<tr>
<td>MATH 010A/1010AS</td>
<td><strong>Mathematics in Art, Music, and Politics</strong>&lt;br&gt;An accessible look into some beautiful ideas of mathematics in art, music, and politics. Topics include Plane Symmetries, Tilings, Perspective Drawing, Musical Intervals, Scales and Temperament, Timbre and Periodic Functions, Statistical Measures of Inequality, Voting Systems, Apportionment. GE Area: B4&lt;br&gt;<strong>1010AS - Support Course for Math 10A</strong>&lt;br&gt;Support course that reviews relevant background material prior to the corresponding content for Math 10A. Required for MATH 10A students in Enrollment Category M-III and M-IV.</td>
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<tr>
<td>MATH 019/1019S/019W</td>
<td><strong>Precalculus</strong>&lt;br&gt;Preparation for calculus: polynomial, rational, exponential, logarithmic and trigonometric functions; analytic geometry. GE Area: B4&lt;br&gt;<strong>019W - Precalculus Workshop</strong>&lt;br&gt;Designed to help all students excel in MATH 019. Students work in groups on challenging problems to help them understand precalculus concepts more deeply and lay the groundwork for success in future math courses.</td>
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<tr>
<td>MCOM 070</td>
<td><strong>Visual Communication for Modern Media</strong>&lt;br&gt;Design for television, newspapers, advertising, public relations, magazines, film and video. Modules include design and impact of visual imagery and how to apply sound ethical principles.</td>
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<tr>
<td>MCOM 072</td>
<td><strong>Mass Communication and Society</strong>&lt;br&gt;Mass communication and its relationship to society. Basic theories in mass communication, contemporary issues and milestones in our understanding of media effects. GE Area: D3</td>
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<tr>
<td>METR 010</td>
<td><strong>Weather and Climate</strong>&lt;br&gt;A descriptive introduction to the atmosphere, with emphasis on weather phenomena, climate, climate change, forecasting and air pollution. GE Area: B1</td>
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<tr>
<td>METR 012</td>
<td>METR 012 - Global Warming: Science and Solutions</td>
<td>Examination of past, present and future climates. Examination of global warming and mitigation strategies. GE Area: B1</td>
</tr>
<tr>
<td>MILS 001A/B</td>
<td>MILS 001A - Leadership &amp; Personal Development</td>
<td>Introduction to the personal challenges and competencies that are critical for effective leadership. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program.</td>
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<td>MILS 001B - Introduction to Tactical Leadership</td>
<td>Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students explore leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises.</td>
</tr>
<tr>
<td>MILS 002A/B</td>
<td>MILS 002A - Innovative Team Leadership</td>
<td>Explores creative and innovative tactical leadership strategies and styles by examining team dynamics and trait and behavior theories. Students practice aspects of personal motivation and team building during planning, executing, and assessment of team exercises and participation in leadership labs.</td>
</tr>
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<td>MILS 002B - Foundations of Tactical Leadership</td>
<td>Examines the challenges of leading tactical teams in today’s complex world. The course highlights dimensions of terrain analysis, patrolling, and orders. Students develop greater awareness as they assess their own leadership styles and practice communication and team building skills.</td>
</tr>
<tr>
<td>MUSC 001A/001B</td>
<td>MUSC 001A - Music Systems IA</td>
<td>First course in a four-semester core sequence of study of analytical systems of music. Topics include rhythm, melody, harmony, timbre, structure, style and contexts for performance and composition.</td>
</tr>
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<td>MUSC 001B - Music Systems IB</td>
<td>First course in a four-semester core sequence of aural skills acquisition, including dictation, sight-singing and analysis.</td>
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<tr>
<td>MUSC 002A/002B</td>
<td>MUSC 002A - Music Systems IIA</td>
<td>Second course in a four-semester core sequence of study of analytical systems of music. Topics from MUSC 1A are continued in greater detail with increased complexity.</td>
</tr>
<tr>
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<td>MUSC 002B - Music Systems IIB</td>
<td>Second course in a four-semester core sequence of aural skills acquisition, including diction, sight-singing and analysis.</td>
</tr>
<tr>
<td>MUSC 009</td>
<td>MUSC 006 - Jazz Theory</td>
<td>Understanding of traditional jazz nomenclature including chord symbols, chord-scale relationships, and jazz harmony. Various scales, their modes and their applications will be addressed as well as their applications to harmonic progressions common to the jazz idiom.</td>
</tr>
<tr>
<td>MUSC 009</td>
<td>MUSC 009 - Music Fundamentals</td>
<td>Understanding music terminology, fundamental concepts in music theory and techniques in music reading. Required of all music minors. Acceptable as elective credit for music major (as review of fundamentals or for individual instruction in conjunction with applied music study) only with prior advisor approval.</td>
</tr>
<tr>
<td>MUSC 010A/B</td>
<td>MUSC 010A - Music Appreciation</td>
<td>General survey of Western music focusing on recorded and live performances. GE Area: C1</td>
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<td>MUSC 010B - Introduction to Music</td>
<td>Beginning piano playing as a means to understanding music. Listening skills developed through exposure to a variety of music: Popular/classical, old/new, Western/non-Western. GE Area: C1</td>
</tr>
<tr>
<td>MUSC 013</td>
<td>MUSC 013 - Music Technology</td>
<td>Hands-on skills development in music hardware and software, including music integration in word processing and graphics, music notation and Internet/WWW-based research tools for music majors or non-music majors with some music background.</td>
</tr>
<tr>
<td>MUSC 019</td>
<td>MUSC 019 - Music in World Cultures</td>
<td>Introduction to music in various cultural contexts outside European classical tradition. Live performances, film, video tapes and slides. Projects involving related arts encouraged. GE Area: C1</td>
</tr>
<tr>
<td>MUSC 025A/B/C</td>
<td>MUSC 025A - Piano Proficiency I</td>
<td>Skills development in performing four-part harmony; harmonizing melodies in pianistic style, modulation, simple score reading and sight-reading.</td>
</tr>
<tr>
<td></td>
<td>MUSC 025B - Piano Proficiency II</td>
<td>025B continuation of 025A.</td>
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<td></td>
<td>MUSC 025C - Piano Proficiency III</td>
<td>Preparation for Piano Proficiency Exam</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Description</td>
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<tr>
<td>MUSC 027A</td>
<td>MUSC 027A - Fundamentals of Jazz Keyboard I</td>
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<tr>
<td></td>
<td>For any instrumental/voice student. Basic skills in jazz keyboard: Chord voicings, symbols, progressions and rhythmic patterns, jazz styles, simple melodic techniques and accompaniment.</td>
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<tr>
<td>MUSC 028</td>
<td>MUSC 028 - Guitar Fundamentals</td>
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<tr>
<td></td>
<td>The purpose of this course is to develop basic skills and techniques in guitar playing, applicable to various types of music and teaching.</td>
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<tr>
<td>MUSC 029 A/AX/B/BX/C/CX/D/DX</td>
<td>MUSC 029 - Electro-Acoustics</td>
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<tr>
<td></td>
<td>Incorporating current music technology and instrumentation in creating works and projects. Required each semester of lower division electro-acoustic majors.</td>
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<tr>
<td></td>
<td>MUSC 029A - Electro-Acoustics 1</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Electro-acoustics level 1, incorporating current music technology and instrumentation into projects. For music technology major.</td>
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<tr>
<td></td>
<td>MUSC 029AX - Applied Electro-Acoustic 1</td>
<td></td>
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<tr>
<td></td>
<td>The course is an intensive study of electro-acoustic music and audio production methods. Works and projects are created incorporating current music technology and instrumentation.</td>
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<tr>
<td></td>
<td>MUSC 029B - Electro-Acoustics 2</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Electro-acoustics level 2, incorporating current music technology and instrumentation into projects. For music technology majors.</td>
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<tr>
<td></td>
<td>MUSC 029BX - Applied Electro-Acoustic 2</td>
<td></td>
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<tr>
<td></td>
<td>The course is an intensive study of electro-acoustic music and audio production methods. Works and projects are created incorporating current music technology and instrumentation.</td>
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<tr>
<td></td>
<td>MUSC 029C - Electro-Acoustics 3</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Electro-acoustics level 3, incorporating current music technology and instrumentation into projects. For music technology majors.</td>
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<tr>
<td></td>
<td>MUSC 029CX - Applied Electro-Acoustic 3</td>
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<tr>
<td></td>
<td>The course is an intensive study of electro-acoustic music and audio production methods. Works and projects are created incorporating current music technology and instrumentation.</td>
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<tr>
<td></td>
<td>MUSC 029D - Electro-Acoustics 4</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Electro-acoustics level 4, incorporating current music technology and instrumentation into projects. For music technology majors.</td>
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<tr>
<td></td>
<td>MUSC 029DX - Applied Electro-Acoustic 4</td>
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<tr>
<td></td>
<td>The course is an intensive study of electro-acoustic music and audio production methods. Works and projects are created incorporating current music technology and instrumentation.</td>
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<tr>
<td>MUSC 030 A/AX/B/BX/C/CX/D/DX</td>
<td>MUSC 030 - Piano</td>
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<tr>
<td></td>
<td>Required each semester of lower division piano majors.</td>
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<td></td>
<td>MUSC 030A - Piano 1</td>
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<td></td>
<td>APPLIED LESSONS: Piano level 1. Required of BM piano majors every semester.</td>
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<tr>
<td></td>
<td>MUSC 030AX - Applied Piano 1</td>
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<tr>
<td></td>
<td>The objective of applied lessons is for the instructor to work intensively with the individual piano major in acquiring skills both technical and interpretive in the mastery of standard repertory.</td>
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<tr>
<td></td>
<td>MUSC 030B - Piano 2</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Piano level 2. Lessons required of BM piano majors every semester.</td>
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<tr>
<td></td>
<td>MUSC 030BX - Applied Piano 2</td>
<td></td>
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<tr>
<td></td>
<td>The objective of applied lessons is for the instructor to work intensively with the individual piano major in acquiring skills both technical and interpretive in the mastery of standard repertory.</td>
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<td></td>
<td>MUSC 030C - Piano 3</td>
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<td>APPLIED LESSONS: Piano level 3. Lessons required of BM piano majors every semester.</td>
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<tr>
<td></td>
<td>MUSC 030CX - Applied Piano 3</td>
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<td></td>
<td>The objective of applied lessons is for the instructor to work intensively with the individual piano major in acquiring skills both technical and interpretive in the mastery of standard repertory.</td>
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<tr>
<td></td>
<td>MUSC 030D - Piano 4</td>
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<tr>
<td></td>
<td>APPLIED LESSONS: Piano level 4. Lessons required of BM piano majors every semester.</td>
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<tr>
<td></td>
<td>MUSC 030DX - Applied Piano 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The objective of applied lessons is for the instructor to work intensively with the individual piano major in acquiring skills both technical and interpretive in the mastery of standard repertory.</td>
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<td>Course Code</td>
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<tr>
<td>MUSC 031 A/AX/B/BX/C/CX/D/DX</td>
<td>Harpsichord or Organ</td>
<td>Applied Lessons: Harpsichord or organ. Required of BM harpsichord or organ majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031A - Harpsichord or Organ 1</td>
<td>Applied Lessons: Harpsichord or organ level 1. Required of BM piano majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031AX - Harpsichord or Organ 1</td>
<td>Applied Lessons: Harpsichord or organ. Required each semester of lower division BA, BM-Composition or BM-Jazz Studies majors for whom harpsichord or organ is the applied area.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031B - Harpsichord or Organ 2</td>
<td>Applied Lessons: Harpsichord or organ level 2. Required of BM piano majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031BX - Harpsichord or Organ 2</td>
<td>Applied Lessons: Harpsichord or organ. Required each semester of lower division BA, BM-Composition or BM-Jazz Studies majors for whom harpsichord or organ is the applied area.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031C - Harpsichord or Organ 3</td>
<td>Applied Lessons: Harpsichord or organ level 3. Required of BM piano majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031CX - Harpsichord or Organ 3</td>
<td>Applied Lessons: Harpsichord or organ. Required each semester of lower division BA, BM-Composition or BM-Jazz Studies majors for whom harpsichord or organ is the applied area.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031D - Harpsichord or Organ 4</td>
<td>Applied Lessons: Harpsichord or organ level 4. Required of BM piano majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 031DX - Harpsichord or Organ 4</td>
<td>Applied Lessons: Harpsichord or organ. Required each semester of lower division BA, BM-Composition or BM-Jazz Studies majors for whom harpsichord or organ is the applied area.</td>
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<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>MUSC 033 A/AX/B/BX/C/CX/D/DX</td>
<td>Voice</td>
<td>Required each semester of lower division voice majors. Study and development of vocal techniques and performance of representative repertoire from principal periods in music. Includes compositions embracing the English, Italian, French and German languages.</td>
</tr>
<tr>
<td></td>
<td>MUSC 033AX - Applied Voice 1</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division Voice majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 033BX - Applied Voice 2</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division Voice majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 033CX - Applied Voice 3</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division Voice majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 033DX - Applied Voice 4</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division Voice majors.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
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<tr>
<td>MUSC 034 A/AX/B/BX/C/CX/D/DX</td>
<td>MUSC 034 - Strings</td>
<td>Required each semester of lower division string majors.</td>
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<tr>
<td></td>
<td>MUSC 034A - Strings 1</td>
<td>APPLIED LESSONS: Strings level 1. Required of BM string majors every semester.</td>
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<tr>
<td></td>
<td>MUSC 034AX - Strings 1</td>
<td>Applied lessons A-D, required each semester of upper and lower division string majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034B - Strings 2</td>
<td>APPLIED LESSONS: Strings level 2. Required of BM string majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034BX - Strings 2</td>
<td>Applied lessons A-D, required each semester of upper and lower division string majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034C - Strings 3</td>
<td>APPLIED LESSONS: Strings level 3. Required of BM string majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034CX - Strings 3</td>
<td>Applied lessons A-D, required each semester of upper and lower division string majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034D - Strings 4</td>
<td>APPLIED LESSONS: Strings level 4. Required of BM string majors every semester.</td>
</tr>
<tr>
<td></td>
<td>MUSC 034DX - Strings 4</td>
<td>Applied lessons A-D, required each semester of upper and lower division string majors.</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUSC 035 A/AX/B/BX/C/CX/D/DX</td>
<td>MUSC 035 - Woodwinds</td>
<td>Required each semester of lower division string majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035A - Woodwinds 1</td>
<td>APPLIED LESSONS: Woodwinds level 1. Required of BM woodwind majors every semester. Flute, oboe, bassoon, clarinet or saxophone.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035AX - Woodwinds 1</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division woodwind majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035B - Woodwinds 2</td>
<td>APPLIED LESSONS: Woodwinds level 2. Required of BM woodwind majors every semester. Flute, oboe, bassoon, clarinet or saxophone.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035BX - Woodwinds 2</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division woodwind majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035C - Woodwinds 3</td>
<td>APPLIED LESSONS: Woodwinds level 3. Required of BM woodwind majors every semester. Flute, oboe, clarinet, bassoon or saxophone.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035CX - Woodwinds 3</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division woodwind majors.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035D - Woodwinds 4</td>
<td>APPLIED LESSONS: Woodwinds level 4. Required of BM woodwind majors every semester. Flute, oboe, bassoon, clarinet or saxophone.</td>
</tr>
<tr>
<td></td>
<td>MUSC 035DX - Woodwinds 4</td>
<td>Applied Lessons 1-8, required each semester for lower and upper division woodwind majors.</td>
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<td>Course Code</td>
<td>Course Name</td>
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<tr>
<td>MUSC 036 B/BX/C/CX/D/DX/E/EX</td>
<td>MUSC 036 - Brass</td>
<td>Required each semester of lower division brass majors.</td>
</tr>
<tr>
<td>MUSC 036B - Brass 1</td>
<td>APPLIED LESSONS: Brass level 1. Required of BM brass majors every semester. Trumpet, trombone, french horn, euphonium, tuba.</td>
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</tr>
<tr>
<td>MUSC 036BX - Brass 1</td>
<td>Required each semester for lower and upper division brass majors.</td>
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</tr>
<tr>
<td>MUSC 036C - Brass 2</td>
<td>APPLIED LESSONS: Brass level 2. Required of BM brass majors every semester. Trumpet, trombone, french horn, euphonium, tuba.</td>
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<tr>
<td>MUSC 036CX - Brass 2</td>
<td>Required each semester for lower and upper division brass majors.</td>
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<tr>
<td>MUSC 036DX - Brass 3</td>
<td>Required each semester for lower and upper division brass majors.</td>
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<tr>
<td>MUSC 036EX - Brass 4</td>
<td>Required each semester for lower and upper division brass majors.</td>
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<th>Course Code</th>
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<tbody>
<tr>
<td>MUSC 036 A/AX/B/BX/C/CX/D/DX</td>
<td>MUSC 037 - Percussion</td>
<td>Required each semester of lower division percussion majors.</td>
</tr>
<tr>
<td>MUSC 037A - Percussion 1</td>
<td>APPLIED LESSONS: Strings level 1. Required of BM string majors every semester.</td>
<td></td>
</tr>
<tr>
<td>MUSC 037AX - Applied Percussion 1</td>
<td>Applied Lessons - Instruction in technical, stylistic, and aesthetic elements of artistic performance in percussion.</td>
<td></td>
</tr>
<tr>
<td>MUSC 037B - Percussion 2</td>
<td>APPLIED LESSONS: Percussion level 2. Required of BM percussion majors every semester.</td>
<td></td>
</tr>
<tr>
<td>MUSC 037C - Percussion 3</td>
<td>APPLIED LESSONS: Percussion level 3. Required of BM percussion majors every semester.</td>
<td></td>
</tr>
<tr>
<td>MUSC 037D - Percussion 4</td>
<td>APPLIED LESSONS: Percussion level 4. Required of BM percussion majors every semester.</td>
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<td>Course Code</td>
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<tr>
<td>MUSC 038</td>
<td>Composition</td>
<td>Required each semester of lower division composition majors. Works created incorporating traditional and twentieth century procedures.</td>
</tr>
<tr>
<td>MUSC 038B</td>
<td>Composition 1</td>
<td>APPLIED LESSONS: Composition level 1. Required of BM composition majors every semester.</td>
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<tr>
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<td></td>
<td>MUSC 038BX - Applied Instruction in Music Composition 1</td>
</tr>
<tr>
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<td></td>
<td>The course is an intensive study of the materials of art music composition. Works are created incorporating common practice and twentieth century procedures.</td>
</tr>
<tr>
<td>MUSC 038C</td>
<td>Composition 2</td>
<td>APPLIED LESSONS: Composition level 2. Required of BM composition majors every semester.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUSC 038CX - Applied Instruction in Music Composition 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The course is an intensive study of the materials of art music composition. Works are created incorporating common practice and twentieth century procedures.</td>
</tr>
<tr>
<td>MUSC 038D</td>
<td>Composition 3</td>
<td>APPLIED LESSONS: Composition level 3. Required of BM composition majors every semester.</td>
</tr>
<tr>
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<td></td>
<td>MUSC 038DX - Applied Instruction in Music Composition 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The course is an intensive study of the materials of art music composition. Works are created incorporating common practice and twentieth century procedures.</td>
</tr>
<tr>
<td>MUSC 038E</td>
<td>Composition 4</td>
<td>APPLIED LESSONS: Composition level 4. Required of BM composition majors every semester.</td>
</tr>
<tr>
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<td></td>
<td>MUSC 038EX - Applied Instruction in Music Composition 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The course is an intensive study of the materials of art music composition. Works are created incorporating common practice and twentieth century procedures.</td>
</tr>
<tr>
<td>MUSC 039A</td>
<td>Jazz: Improvisation, Composition or Arranging 1</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 1. Required of BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039AX</td>
<td>Jazz: Improvisation, Composition or Arranging 1</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 1. Required of BA, BM-Composition, or BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039B</td>
<td>Jazz: Improvisation, Composition or Arranging 2</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 2. Required of BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039BX</td>
<td>Jazz: Improvisation, Composition or Arranging 2</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 2. Required of BA, BM-Composition, or BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039C</td>
<td>Jazz: Improvisation, Composition or Arranging 3</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 3. Required of BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039CX</td>
<td>Jazz: Improvisation, Composition or Arranging 3</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 3. Required of BA, BM-Composition, or BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039D</td>
<td>Jazz: Improvisation, Composition and Arranging 4</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 5. Required of BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 039DX</td>
<td>Jazz: Improvisation, Composition and Arranging 4</td>
<td>APPLIED LESSONS: Jazz. Vocal or instrumental improvisation, composition or arranging, level 4. Required of BA, BM-Composition, or BM Jazz Studies majors every semester.</td>
</tr>
<tr>
<td>MUSC 040A</td>
<td>Jazz Improvisation - I</td>
<td>Development of performance skills for lead-sheet interpretation: response and interplay, ear-training for improvisers, basic chord-scales and jazz vocabulary. Vocal, instrumental, and transcription exercises. In-class performance. Emphasis will be placed on blues, modal compositions, and simple song forms.</td>
</tr>
<tr>
<td>MUSC 041A</td>
<td>Applied Lyric Diction</td>
<td>Pronunciation and applied execution of correct diction in English and Italian for singers in a master class setting. Performance of specific literature of these languages with emphasis on correct usage of the International Phonetic alphabet for lyric diction.</td>
</tr>
<tr>
<td>MUSC 041B</td>
<td>Applied Lyric Diction</td>
<td>Pronunciation and applied execution of correct diction in French and German for singers in a master class setting. Performance of specific literature of these languages with emphasis on correct usage of the International Phonetic Alphabet for lyric diction.</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>MUSC 050A</td>
<td><strong>MUSC 050A - ENS: Concert Choir</strong></td>
<td>Ensemble. Large select choral ensemble, specializing in advanced a cappella and symphonic major works from all periods.</td>
</tr>
<tr>
<td>MUSC 051</td>
<td><strong>MUSC 051 - ENS: University Chorales</strong></td>
<td>Ensembles for the University Chorales. Rehearsal and performance of choral masterpieces and music with wide popular appeal. Students involved in the University Chorales will participate in either the SJSU Women's Chorus, Men's Glee Club, or other specialized choral ensemble and will have the opportunity to study and perform high quality choral literature.</td>
</tr>
<tr>
<td>MUSC 052</td>
<td><strong>MUSC 052 - ENS: Opera Theater</strong></td>
<td>Ens: Training and performance experience in the field of opera. Fully-staged productions of one-act and conventional length works of varying styles.</td>
</tr>
<tr>
<td>MUSC 053</td>
<td><strong>MUSC 053 - ENS: University Symphony Orchestra</strong></td>
<td>Ens: Rehearsal and performance of standard orchestral and operatic repertory.</td>
</tr>
<tr>
<td>MUSC 054</td>
<td><strong>MUSC 054 - ENS: Symphonic Band</strong></td>
<td>Ens: Rehearsal and performance of large symphonic band repertory.</td>
</tr>
<tr>
<td>MUSC 055</td>
<td><strong>MUSC 055 - ENS: Wind Ensemble</strong></td>
<td>Ens: Major performing group open to all wind instrumentalists by audition. Select group that performs the most advanced and high quality contemporary and traditional literature for wind ensemble from all periods. Programming changes every semester. Performances can include but not be limited to state and national conferences.</td>
</tr>
<tr>
<td>MUSC 056</td>
<td><strong>MUSC 056 - ENS: Spartan Marching Band</strong></td>
<td>Ens: Open by permission to all students who play saxophone, brass or percussion instruments. Performs at all home and selected away Spartan football games.</td>
</tr>
<tr>
<td>MUSC 057</td>
<td><strong>MUSC 057 - ENS: Jazz Orchestra</strong></td>
<td>Ens: Big band jazz performance for instrumentalists and singers. Classic and new repertoire. Concert performances.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
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<tr>
<td>MUSC 060A</td>
<td>ENS: Choraliers</td>
<td>Small select chamber vocal group specializing in music from all periods, Renaissance to Contemporary.</td>
</tr>
<tr>
<td>MUSC 060B</td>
<td>ENS: Chamber Orchestra</td>
<td>Study and performance of advanced literature for small orchestra, with music selected from a broad range of stylistic periods and composers.</td>
</tr>
<tr>
<td>MUSC 060C</td>
<td>ENS: Chamber Music</td>
<td>In-depth chamber music study and performance of standard repertoire with two or more instruments plus piano.</td>
</tr>
<tr>
<td>MUSC 060D</td>
<td>ENS: Collegium Musicum</td>
<td>Reinforces music history studies through performance. Authenticating performance of pre-Classical music on period instruments and accurate vocal/instrumental practices. Vocal and instrumental, sacred and secular music performed.</td>
</tr>
<tr>
<td>MUSC 060E</td>
<td>ENS: Jazz Singers</td>
<td>Performance of advanced literature for chamber jazz chorus in concerts, festivals, and special events. Performance techniques, improvisation, musicianship and studio-recording techniques.</td>
</tr>
<tr>
<td>MUSC 060F</td>
<td>ENS: Small Jazz Ensembles</td>
<td>Small-group jazz performance: standard literature, informal (“head”) arrangements. In-class and/or public performances.</td>
</tr>
<tr>
<td>MUSC 060G</td>
<td>ENS: Pep Band</td>
<td>Limited to twenty-five woodwind, brass and percussion players; performs at home Spartan basketball games and certain campus functions.</td>
</tr>
<tr>
<td>MUSC 060H</td>
<td>ENS: Percussion Ensemble</td>
<td>Performing class consisting of percussion majors. Master classes during fall semester.</td>
</tr>
<tr>
<td>MUSC 060I</td>
<td>ENS: Jazz Ensemble</td>
<td>Hands-on training and experience in all phases of opera production.</td>
</tr>
<tr>
<td>MUSC 060J</td>
<td>ENS: String Ensemble</td>
<td>Chamber works for various string combinations studied and performed. Rehearsal and performance techniques for small chamber groups.</td>
</tr>
<tr>
<td>MUSC 060K</td>
<td>ENS: Brass Ensemble</td>
<td>Performance of duet, trio, quartet and quintet literature for mixed and homogeneous brass instruments. Literature used represents all style periods with either original or transcription materials.</td>
</tr>
<tr>
<td>MUSC 060L</td>
<td>ENS: Woodwind Ensemble</td>
<td>Chamber works for various woodwind combinations. Rehearsal and performance techniques for small chamber groups.</td>
</tr>
<tr>
<td>MUSC 060M</td>
<td>ENS: Saxophone Ensemble</td>
<td>Overview of music for saxophone ensemble for two to twenty players. All styles studied from Renaissance to Jazz.</td>
</tr>
<tr>
<td>MUSC 060N</td>
<td>ENS: Trombone Ensemble</td>
<td>Rehearsal and performance of literature for trombone ensemble. Weekly meetings will also include discussion of brass related topics.</td>
</tr>
<tr>
<td>MUSC 061</td>
<td>REP: Styles and Interpretation of Opera I</td>
<td>Introduction to styles of opera composition and presentation focusing on opera scenes being presented by the Opera Theater.</td>
</tr>
<tr>
<td>MUSC 062</td>
<td>ENS: Opera Production</td>
<td>Hands-on training and experience in all phases of opera production.</td>
</tr>
<tr>
<td>MUSC 063</td>
<td>REP: Styles and Interpretation of Opera II</td>
<td>Basic structure of the language in the context of culture.</td>
</tr>
<tr>
<td>MUSC 081</td>
<td>Concert Listening I</td>
<td>Active involvement in the professional musical life of the campus and community through attending programs from the master list published each semester and writing five critical reviews.</td>
</tr>
<tr>
<td>NUFS 009</td>
<td>Introduction to Human Nutrition</td>
<td>Principles and methodology of nutritional science; standards of nutrient intake; physiological functions and chemical classification of nutrients; nutrient needs throughout the lifespan; relationship between diet and disease; scientific, social, and psychological issues. GE Area: E</td>
</tr>
<tr>
<td>NUFS 016</td>
<td>Science, Physiology, and Nutrition</td>
<td>Introduction to life sciences, from chemistry to cellular and physiologic functions, with nutrition as an underlying theme. Interactions with environment, including effect of culture, genetics, and nutrition on susceptibility to disease. Applications of biotechnology in the life sciences. GE Area: B2</td>
</tr>
<tr>
<td>NUFS 020</td>
<td>Sanitation and Environmental Issues in the Hospitality Industry</td>
<td>Sanitation in food service, hotel and travel/tourism industries; study of pathogenic organisms and food handling procedures. Occupational health, safety and environmental control in the hospitality industry.</td>
</tr>
<tr>
<td>PERS 001A</td>
<td>Elementary Persian Culture and Language I</td>
<td>An elementary level course, designed for students with no or little previous knowledge of Persian language and meant to be an introduction to Persian cultures.</td>
</tr>
<tr>
<td>Code</td>
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<tr>
<td>PERS 025A</td>
<td>Intermediate Persian Culture and Language</td>
<td>This course is designed for students with some previous knowledge of Persian, either from classroom or as a heritage speaker. Various language activities such as reading, writing, and, listening comprehension will be offered through the introduction of classical Persian poetry.</td>
</tr>
</tbody>
</table>
| PHIL 009/96L | Mathematics and Logic for General Education | A survey of basic concepts and methods, focusing on logic, computation, sets, numbers, geometry and probability. Emphasis will be placed on using these concepts in daily life and in coping with public issues. GE Area: B4  
PHIL 96L - Math & Logic for GE Workshop  
In-depth exploration of concepts, methods, and problem-solving strategies for PHIL 009. Opportunities for additional practice, applications, and feedback.  
Co-requisite: PHIL 9 |
<p>| PHIL 010 | Introduction to Philosophy | Perennial problems in philosophy, such as Who am I? What can I know? How should I live? Classical philosophical statements bearing on these issues. GE Area: C2 |
| PHIL 012 | Philosophy of the Person | Philosophical issues concerning the origins, development and maturation of the self. GE Area: E |
| PHIL 057 | Logic and Critical Reasoning | Basic concepts of logic; goals and standards of both deductive and inductive reasoning; techniques of argument analysis and assessment; evaluation of evidence; language and definition; fallacies. GE Area: A3 |
| PHIL 061 | Moral Issues | Moral philosophy covering major ethical theories and contemporary moral issues, such as abortion, euthanasia, animal rights, capital punishment, and sexuality. GE Area: C2 |
| PHIL 066 | Introduction to Aesthetics | Issues such as the nature of beauty and ugliness, definition of art, creativity, and interpretation and evaluation of art. Philosophical discussion of works of art and our responses to them. GE Area: C1 |
| PHIL 070A | Ancient Philosophy | Includes pre-Socratics, Socrates, Plato and Aristotle; Hellenistic, Roman and Medieval philosophy. GE Area: C2 |
| PHIL 070B | Modern Philosophy | Seventeenth and eighteenth century philosophers such as Bacon, Descartes, Hobbes, Spinoza, Locke, Leibniz, Berkeley, Hume and Kant. GE Area: C2 |
| PHOT 040 | Beginning Photography | A Beginning photography course which introduces basic aesthetic issues in (primarily black and white) image making. Introduces photographic technique utilizing digital cameras, electronic image processing and digital printing. Requires a DSLR (digital single lens reflex) type camera. Requires Adobe Lightroom. |
| PHYS 001 | Elementary Physics | Mechanics, energy, electricity, magnetism, optics, atomic and nuclear physics, properties of matter; emphasizes practical applications of physics principles to contemporary problems. GE Area: B1 |
| PHYS 001L | Elementary Physics Lab | Selected experiments on topics covered in Phys 1. GE Area: B3 |
| POLS 002 | Introduction to Comparative Politics | Comparative analysis of different kinds of political systems; their political institutions, processes and policies; the environments in which they occur and their consequences. GE Area: D2 |
| POLS 003 | Introduction to Political Thought | Thinking critically about the classic problems of politics; learning how to interpret, discuss and write about historical and contemporary political thought. GE Area: C2 |
| POLS 004 | Introduction to International Relations | Introductory survey of major topics in international relations, including global, national and individual causes of war and peace, international cooperation, north-south relations and political economy. GE Area: D3 |</p>
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PORT 001A/X/Y</td>
<td>PORT 001A - Elementary Portuguese I</td>
<td>Basic skills and structure of the language in the context of culture. GE Area: C2</td>
</tr>
<tr>
<td>PORT 001X</td>
<td>PORT 001X - Elementary Portuguese - Individualized Learning</td>
<td>Alternate to Port 1A and Port 1B. Student sets own rate of progress. May be repeated for a 5 unit maximum.</td>
</tr>
<tr>
<td>PORT 001Y</td>
<td>PORT 001Y - Elementary Portuguese - Individualized Learning</td>
<td>Alternate to Port 1A and Port 1B. Student sets own rate of progress. May be repeated for a 5 unit maximum.</td>
</tr>
<tr>
<td>PORT 020A/X/Y</td>
<td>PORT 020A - Intermediate Portuguese</td>
<td>Reading, sentence structure and idiomatic usage in conversation and simple essays.</td>
</tr>
<tr>
<td>PORT 020X</td>
<td>PORT 020X - Intermediate Portuguese - Individualized Learning</td>
<td>Alternate to Port 20A; Student sets own rate of progress. May be repeated for a 3 unit maximum.</td>
</tr>
<tr>
<td>PORT 020Y</td>
<td>PORT 020Y - Intermediate Portuguese - Individualized Learning</td>
<td>Alternate to Port 20B; Student sets own rate of progress. May be repeated for a 3 unit maximum.</td>
</tr>
<tr>
<td>PR 099</td>
<td>PR 099 - Contemporary Public Relations</td>
<td>Principles, evolution and professional practice of modern public relations. Concepts of planning and executing effective communication strategies, including message design and distribution for any organization.</td>
</tr>
<tr>
<td>PSYC 001</td>
<td>PSYC 001 - Introduction to Psychology</td>
<td>Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, methods, and research findings in psychology. Topics include the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches to treatment, and applied psychology. GE Area: D1</td>
</tr>
<tr>
<td>RECL 010</td>
<td>RECL 010 - Creating a Meaningful Life</td>
<td>Study how a meaningful life relates to the freedom to pursue happiness. Examines personal, social, and cultural bases for a creative and successful lifestyle. Learn to recognize and foster creative potential for lifelong personal growth, meaningful rewards, and leisure enjoyment. GE Area: E</td>
</tr>
<tr>
<td>RECL 090</td>
<td>RECL 090 - Foundations of Recreation Parks &amp; Tourism</td>
<td>Field of parks and recreation; history of development of the recreation profession; survey of recreation and leisure services.</td>
</tr>
<tr>
<td>RECL 094</td>
<td>RECL 094 - The Outdoor Recreation Experience</td>
<td>Students will explore, understand, and experience firsthand the value, meaning, and benefits of a variety of outdoor recreation activities. Socio-cultural and ecological systems will be examined as they relate to the delivery of outdoor recreation experiences in both the public and private sector.</td>
</tr>
<tr>
<td>RELS 010A</td>
<td>RELS 010A - Elementary Hebrew</td>
<td>Basic structure of the language in the context of culture.</td>
</tr>
<tr>
<td>RELS 099</td>
<td>RELS 099 - Death, Dying and Religions</td>
<td>Is death the end or the beginning? Learn how people integrate the physical, emotional, psychological, and spiritual dimensions of living and dying. Examine religious teachings and practices for making death personally meaningful, socially significant, or even politically powerful. GE Area: E</td>
</tr>
<tr>
<td>RTVF 010</td>
<td>RTVF 010 - The Art of Film</td>
<td>Study of the formal, aesthetic, historical, and cultural contexts of film as an art form. GE Area: C1</td>
</tr>
<tr>
<td>SCI 001</td>
<td>SCI 001 - Academic Excellence Workshop</td>
<td>Cooperative learning activity to accompany selected College of Science courses and sections.</td>
</tr>
<tr>
<td>SCI 002</td>
<td>SCI 002 - Success in Science</td>
<td>Emphasis on development of study skills, time management, and personal growth needed to transition from high school to university. Orientation to SJSU policies and procedures; and degree and career options in science. Guest lecturers, peer advisors, and community building. GE Area: E</td>
</tr>
<tr>
<td>SOCI 001</td>
<td>SOCI 001 - Introduction to Sociology</td>
<td>How does society affect individual behavior and how does individual behavior affect society? Influence of social institutions and arrangements (family, school, workplace, politics, etc.) on roles, groups, values. Basic sociological theories and methods. Careers, specializations. Required for majors, minors. GE Area: D1</td>
</tr>
<tr>
<td>SOCI 057</td>
<td>SOCI 057 - Community Involvement and Personal Growth</td>
<td>Human development in community context, with an emphasis on civic responsibility. The influence of community engagement on individual physiological, social/cultural, and psychological well-being. Participation in a service-learning project in a multicultural organization. GE Area: E</td>
</tr>
<tr>
<td>SOCI 080</td>
<td>SOCI 080 - Social Problems</td>
<td>Sociological analysis of selected contemporary social problems such as housing and homelessness, economy and employment, environment and consumerism, family and divorce, crime and drugs, politics and media, race and gender, wealth and poverty, war and peace. Required for majors. GE Area: D3</td>
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<td>Course Code</td>
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<tr>
<td>SPAN 001A/B</td>
<td><strong>SPAN 001A - Elementary Spanish</strong>&lt;br&gt;Basic skills and structure of the language in the context of culture. GE Area: C2</td>
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<td></td>
<td><strong>SPAN 001B - Elementary Spanish</strong>&lt;br&gt;Basic skills and structure of the language in the context of culture. GE Area: C2</td>
<td></td>
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<tr>
<td>SPAN 004A/B</td>
<td><strong>SPAN 004A - Basic Spanish I</strong>&lt;br&gt;An Internet-based or on-site course in practical Spanish for use in a variety of professional and everyday activities. For beginners and those who need to improve conversational skills. May be repeated for 6 unit maximum.</td>
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<td><strong>SPAN 004B - Basic Spanish II</strong>&lt;br&gt;An Internet-based or on-site course course in practical Spanish for use in a variety of professional and everyday activities. A continuation of SPAN 004A for those who need to improve communication skills. May be repeated for 6 unit maximum.</td>
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</tr>
<tr>
<td>SPAN 025A/B</td>
<td><strong>SPAN 025A - Intermediate Spanish</strong>&lt;br&gt;Continuation of Span 001B. Preparation for advanced courses in the language. GE Area: C2</td>
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<td></td>
<td><strong>SPAN 025B - Intermediate Spanish</strong>&lt;br&gt;Continuation of Span 025A. Preparation for advanced courses in the language. GE Area: C2</td>
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<tr>
<td>SSCI 090</td>
<td><strong>SSCI 090 - Successfully Negotiating Social Science</strong>&lt;br&gt;Course designed to help students in the College of Social Sciences, enabling them to learn the skills and knowledge necessary to become successful students. Students will explore the ways in which different social scientists see, research, analyze, understand and communicate.</td>
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<tr>
<td>TA 005</td>
<td><strong>TA 005 - Acting</strong>&lt;br&gt;Basic acting class for non-theatre arts majors. Exploration of inner and external resources for performance, analysis of text and character, guidelines for successful rehearsal and performance. Learning to be seen, heard, understood and believed. GE Area: C1</td>
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<tr>
<td>TA 010</td>
<td><strong>TA 010 - Theatre Appreciation</strong>&lt;br&gt;Study of the historical and cultural contexts of theatre around the world. Seeing and critical writing about plays. Hands-on experiences in the arts and crafts of live theatre. GE Area: C1</td>
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<tr>
<td>TA 011</td>
<td><strong>TA 011 - Script Analysis</strong>&lt;br&gt;Detailed analysis of dramatic and screenplay scripts related to performance and production.</td>
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<tr>
<td>TA 017</td>
<td><strong>TA 017 - Intermediate Acting</strong>&lt;br&gt;Analysis, internal methods and characterization for playing scenes. Lab exercises in disciplined stage movement.</td>
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<tr>
<td>TA 048</td>
<td><strong>TA 048 - Voice &amp; Movement for the Actor</strong>&lt;br&gt;Course focuses on using voice &amp; movement to understand different stages of human life, in its biological and cultural configurations we bring to the stage. Voice and movement shapes, unites and differentiates our communications and expressions as performers. GE Area: E</td>
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<tr>
<td>TA 051 A/B/C</td>
<td><strong>TA 051A - Scenery and Props for the Performing Arts</strong>&lt;br&gt;Introduction to facilities, materials and tools; safety guidelines for production shop and stage. Standard construction techniques and production vocabulary.</td>
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<td></td>
<td><strong>TA 051B - Costume for the Performing Arts</strong>&lt;br&gt;Costume production laboratory introducing costume construction techniques and materials, basic alteration techniques, costume craft techniques; costume shop organization, management, personnel and equipment.</td>
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<td></td>
<td><strong>TA 051C - Stage Management for the Performing Arts</strong>&lt;br&gt;Stage management practices including responsibility, communication, audition and rehearsal supervision, audience services coordination and working relationship with performance and production staff. Health and safety issues for performers and technical staff.</td>
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</tr>
<tr>
<td>TA 064</td>
<td><strong>TA 064 - Make-up for Performing Arts</strong>&lt;br&gt;Makeup techniques for stage, television, film and print. Course covers makeup design, makeup materials and two dimensional application techniques. Laboratory work on actual stage productions, video and film shoots.</td>
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</tr>
<tr>
<td>TA 091</td>
<td><strong>TA 091 - Introduction to Tech Theatre Activity</strong>&lt;br&gt;Supervised activity with individual instruction in stage production topics for regularly-scheduled theatre production. Prerequisite: Instructor consent. Repeatable for up to 6 units when topic changes.</td>
<td></td>
</tr>
<tr>
<td>TECH 031</td>
<td><strong>TECH 031 - Quality Assurance and Control</strong>&lt;br&gt;Introduction to concepts and statistical methods that companies use to manage and improve quality. Sampling inspection, statistical process control, quality function deployment, cost of quality, design of experiment and Taguchi's method for designing in quality.</td>
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<tr>
<td>TECH 041</td>
<td><strong>TECH 041 - Machine Shop Safety</strong>&lt;br&gt;Introduction to basic machine shop safety and skills. Fabricating of mechanical components and assemblies from engineering drawings, performing tolerance inspection, developing fabrication process plans.</td>
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<tr>
<td>UNVS 015S - Statway Part B: Statistics-Concepts &amp; Methods</td>
<td>Concepts and methods of statistics with an emphasis on data analysis. Topics include methods for collecting data, graphical and numerical descriptive statistics, correlation, simple linear regression, basic concepts of probability, confidence intervals and hypothesis test for means and proportions, and chi-square tests. Completion with a grade of C- or better satisfies the GE Area B4 Mathematical Concepts requirement.</td>
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</tr>
<tr>
<td>UNVS 1015W - Statway Supplemental Activity</td>
<td>Supplemental activity course for Statway students who complete UNVS 15F (Statway A) with a grade below C-. Includes review of UNVS 15F and supporting activities for UNVS 15S.</td>
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</tr>
<tr>
<td>UNVS 057</td>
<td>UNVS 057 - Community Involvement and Personal Growth</td>
<td>Human development in community context, with an emphasis on civic responsibility. The influence of community engagement on individual physiological, social/cultural, and psychological well-being. Participation in a service-learning project in a multicultural organization. GE Area: E</td>
</tr>
<tr>
<td>UNVS 095</td>
<td>UNVS 095 - Special Topics in Student Leadership Development</td>
<td>University 95 is for students selected as staff for San Jose State University's Summer Transition Programs (e.g., Summer Bridge Resident Assistants and Academic Coaches and Spartan Scholars Program Community Assistants and Academic Coaches). Through a series of lectures, project-based activities, and required readings, students will explore both theoretical and practical elements of leadership.</td>
</tr>
<tr>
<td>VIET 001A/B</td>
<td>VIET 001A - Elementary Vietnamese</td>
<td>Basic skills and structure of the language in the context of culture.</td>
</tr>
<tr>
<td>VIET 001B - Elementary Vietnamese</td>
<td>Continuation of Viêt 1A. Basic skills and structure of the language in the context of culture.</td>
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</tr>
<tr>
<td>WOMS 010</td>
<td>WOMS 010 - Women, Gender, and Sexuality Studies</td>
<td>Interdisciplinary introduction to core concepts and analytical tools addressing the diversity of human experience cross cut by gender, sexuality, embodiment, and class location. Students will become familiar with key contemporary and historical debates in both global and local contexts. GE Area: D1</td>
</tr>
<tr>
<td>WOMS 020</td>
<td>WOMS 020 - Women of Color in the US</td>
<td>Constructs knowledge of the historical and contemporary experience of women of color. Focuses on Native American, African American, Latina, and Asian American women and considers contributions they have made to the shaping of the nation. GE Area: D2</td>
</tr>
</tbody>
</table>