ART (ART)

ART 001A SURVEY OF WESTERN ART I 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is a chronological survey of painting, sculpture and architecture in Western civilization from Prehistoric through Medieval times. Works of art are viewed within their historical, religious, political, and social context. A museum field trip is required. Pass/No Pass Option. C-ID # ARTH 110. CSUGE: C1; IGETC: 3A.

ART 001B SURVEY OF WESTERN ART II 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is a chronological survey of western painting, sculpture, and architecture from the Renaissance to Modern times. Works of art are viewed within their historical, religious, political, and social context. The course consists of illustrated lectures and discussion. A museum field trip is required. Pass/No Pass Option. C-ID # ARTH 110. CSUGE: C1; IGETC: 3A.

ART 001D SURVEY OF MODERN ART 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course provides a general survey of painting, sculpture, and architecture in the Western World, from the Impressionists to the present day, emphasizing the evolution of style and content. The course consists of illustrated lectures and discussion. A museum field trip is required. Pass/No Pass Option. CSUGE: C1; IGETC: 3A.

ART 004 ART APPRECIATION 3.0 UNITS
Total Lecture: 54 hours
Advisory: Eligibility for ENG 001A and REA 054
Acceptable for credit: University of California, California State University
This course offers a study of the themes and purposes, elements of style and principles of design, techniques and media, and terminology of the visual arts as a form of communication. Works of art from many different time periods and cultures are discussed and analyzed. The course consists of illustrated lectures and discussions. A museum field trip is required. Pass/No Pass Option. CSUGE: C1; IGETC: 3A.

ART 007 SURVEY OF ASIAN ART 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course provides a general survey of the painting, sculpture, architecture and minor arts from prehistoric times to the present day in India, China, Korea, Japan, and Southeast Asia, emphasizing aesthetic, cultural and historical values. Pass/No Pass Option. C-ID # ARTS 100. CSUGE: C1; IGETC: 3A.

ART 011 THE HISTORY OF MODERN DESIGN 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This introductory survey course focuses on the history, perception and development of design as an art form during the Twentieth Century. The students develop an understanding of the evolution and role of the Modern Movement in society. The students also learn about the evaluation criteria of two-dimensional and three-dimensional design objects while examining examples of architecture, industrial design, graphic design and interior design. The students are introduced to outstanding Twentieth Century design figures and their work. Pass/No Pass Option. CSUGE: C1; IGETC: 3A.

ART 020A MUSEUM/GALLERY INTERNSHIP 1.0 UNIT
Total Lab: 54 hours
Acceptable for credit: California State University
Students will actively participate in the operation of a local museum or gallery under the direction of museum/gallery staff members. Mission College students have the option to progress through all or some of the museum/gallery departments as working interns to gain directed and meaningful project-based experience in daily museum operations. Students may choose to intern in some or all of the following areas: Education (art classes, programs, family events), Development (fund-raising), Curatorial (exhibitions, writing, research), Marketing and Membership (press releases, brochures, mailings), and Registration/Collections Care (object care, conservation/preservation, research, data entry). Interview required. Limited enrollment. Students are expected to work 54 hours per semester. Pass/No Pass Option. C-ID # ARTS 110.

ART 020B MUSEUM/GALLERY INTERNSHIP 2.0 UNITS
Total Lab: 108 hours
Acceptable for credit: California State University
Students will actively participate in the operation of a local museum or gallery under the direction of museum/gallery staff members. Mission College students have the option to progress through all or some of the museum/gallery departments as working interns to gain directed and meaningful project-based experience in daily museum operations. Students may choose to intern in some or all of the following areas: Education (art classes, programs, family events), Development (fund-raising), Curatorial (exhibitions, writing, research), Marketing and Membership (press releases, brochures, mailings), and Registration/Collections Care (object care, conservation/preservation, research, data entry). Interview required. Limited enrollment. Students are expected to work 108 hours per semester. Pass/No Pass Option. C-ID # ARTS 270.

ART 031A BEGINNING DRAWING 3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 031A
Acceptable for credit: University of California, California State University
This is an intermediate course for students with previous college-level drawing experience. This course emphasizes refinement of drawing skills and in-depth concentration on composition and color. Pass/No Pass Option. C-ID # ARTS 205.

ART 031B INTERMEDIATE DRAWING 3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 031A
Acceptable for credit: University of California, California State University
This course introduces students to the elements and principles of design as they apply to three-dimensional forms. Emphasis is on structure and materials appropriate to three-dimensional problems, and contemporary attitudes in design. Materials Fee. Pass/No Pass Option. C-ID # ARTS 100. CSUGE: C1.

ART 033A BASIC DESIGN: TWO-DIMENSIONAL 3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 Hours
This course is an introduction to the elements and principles of two-dimensional design and composition. Materials Fee. Pass/No Pass Option. C-ID # ARTS 100. CSUGE: C1.

ART 033B BASIC DESIGN: THREE-DIMENSIONAL 3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 033A
Acceptable for credit: University of California, California State University
This course introduces students to the elements and principles of design as they apply to three-dimensional forms. Emphasis is on structure and materials appropriate to three-dimensional problems, and contemporary attitudes in design. Materials Fee. Pass/No Pass Option. C-ID # ARTS 105.

ART 033C BASIC DESIGN: COLOR 3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 033A
Acceptable for credit: University of California, California State University
This course is an introduction to the principles and elements of color. Pass/No Pass Option. C-ID # ARTS 270.
ART 034A  INTRODUCTION TO DIGITAL ART  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Advisory: ART 031A
Acceptable for credit: University of California, California State University
This course is an introductory computer art course. The course introduces students to microcomputers and visual design software. Applications that manipulate flat images and 3D space are explored. This course introduces the student to basic design elements and principles. Line art is covered and projects that focus on line, shape, form, the illusion of deep space, and color are pursued. Students learn the basic procedures needed to use computers and related peripheral devices. Pass/No Pass Option. C-ID # ARTS 200. CSUGE: C1.

ART 034B  ADVANCED DIGITAL ART  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 034A
Acceptable for credit: University of California, California State University
This is an advanced course combining computer graphics and fine art imaging processing. The course utilizes micro-computers to create and manipulate images. It introduces the student to advanced concepts and principles. Specific projects are executed related to unity, variety, rhythm/pattern, color, movement, balance, computer particle animation and 3D modeling techniques. Students learn techniques for file management and data backup and recovery, and peripheral devices as creative tools for the artist. Pass/No Pass Option.

ART 035A  LIFE DRAWING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 031A
Acceptable for credit: University of California, California State University
This course is a fundamental study of the human figure as the main subject matter of drawings and its use as a means of artistic expression. Pass/No Pass Option. C-ID # ARTS 200. CSUGE: C1.

ART 035B  LIFE DRAWING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 035A
Acceptable for credit: University of California, California State University
This course is a low intermediate study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media. Pass/No Pass Option.

ART 035C  LIFE DRAWING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 035B
Acceptable for credit: University of California, California State University
This course is a high intermediate study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media. Pass/No Pass Option.

ART 035D  LIFE DRAWING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 035C
Acceptable for credit: University of California, California State University
This course is an advanced study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media. Pass/No Pass Option.

ART 039A  SURVEY OF PRINTMAKING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Acceptable for credit: University of California, California State University
Course covers various techniques and media used in fine art printmaking. It explores the use of the etching press as well as other transfer tools used in making the printed image. In addition, the course explores the development of printing plates, i.e., intaglio, monotype, collagraph and others. Media includes both water-based inks as well as the more traditional oil based inks and paints. Pass/No Pass Option.

ART 047A  WATERCOLOR  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Acceptable for credit: University of California, California State University
This course is an introduction to painting using various waterbase media, with a focus on color mixing, composition, and content. Pass/No Pass Option.

ART 047B  WATERCOLOR  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 047A
Acceptable for credit: University of California, California State University
This course provides continuing instruction in watercolor techniques, exploration of watercolor styles, and personal development of the student's artistic direction. Pass/No Pass Option.

ART 047C  WATERCOLOR  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 047B
Acceptable for credit: University of California, California State University
This course is high intermediate level painting with various water base media. Pass/No Pass Option.

ART 047D  WATERCOLOR  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 047C
Acceptable for credit: University of California, California State University
This course is advanced level painting with various water base media. Pass/No Pass Option.

ART 048A  AIRBRUSH PAINTING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 031A or ART 033C
Acceptable for credit: University of California, California State University
This course provides continuing instruction in airbrush techniques, exploration of airbrush styles, and portfolio development. Pass/No Pass Option.

ART 048B  AIRBRUSH PAINTING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 048A
Acceptable for credit: University of California, California State University
This course is low intermediate level airbrush practice which focuses on strengthening the basic skills learned in ART 048A. Pass/No Pass Option.

ART 048C  AIRBRUSH PAINTING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 048B
Acceptable for credit: University of California, California State University
This course is high intermediate level airbrush practice which focuses on a continued progression of intermediate techniques and portfolio development. Pass/No Pass Option.

ART 048D  AIRBRUSH PAINTING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Prerequisite: ART 048C
Acceptable for credit: University of California, California State University
This course is advanced level airbrush practice which focuses on advanced techniques and portfolio development. Pass/No Pass Option.

ART 049A  PAINTING  3.0 UNITS
Total Lecture: 36 hours, Total Lab: 54 hours
Advisory: Eligibility for ENG 001A and REA 054
Acceptable for credit: University of California, California State University
This course is an introduction to traditional and contemporary painting techniques and media. Pass/No Pass Option. C-ID # ARTS 210.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 049B</td>
<td>PAINTING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>Advisory: Eligibility for ENG 001A and REA 054</td>
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<td>Prerequisite: ART 049A</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is a low intermediate studio practice which focuses on strengthening the basic skills learned in ART 049A. Emphasis is placed upon self-expression, composition, and color theory. Pass/No Pass Option.</td>
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<tr>
<td>ART 049C</td>
<td>PAINTING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Advisory: Eligibility for ENG 001A and REA 054</td>
<td></td>
<td>Prerequisite: ART 049C</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is a high intermediate studio practice which focuses on mixed media, self-expression, composition, and content. Pass/No Pass Option.</td>
</tr>
<tr>
<td>ART 049D</td>
<td>PAINTING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>Advisory: Eligibility for ENG 001A and REA 054</td>
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<td>Prerequisite: ART 049D</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is an advanced studio practice which focuses on developing individual style and direction in painting. Pass/No Pass Option.</td>
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<tr>
<td>ART 065A</td>
<td>CERAMICS-HANDBUILDING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is an introductory course in ceramic hand-building techniques. Students learn the physical properties of clay and other ceramics materials, ceramic decorative techniques, 2-dimensional and 3-dimensional design, and use this knowledge to express themselves creatively. Materials Fee. Pass/No Pass Option.</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is an advanced course in ceramics/hand-building techniques, firing kilns, clay body construction, and ceramic development of projects directed toward individualized self-expression. Topics also include advance decoration and an in-depth study of two and three dimensional ceramic design. Materials Fee. Pass/No Pass Option.</td>
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<tr>
<td>ART 065C</td>
<td>CERAMICS-HANDBUILDING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Acceptable for credit: University of California, California State University</td>
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<td>This course focuses on different aspects of ceramics providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Materials Fee. Pass/No Pass Option.</td>
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<td>ART 065D</td>
<td>CERAMICS-HANDBUILDING</td>
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<td>Acceptable for credit: University of California, California State University</td>
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<td>This course focuses on different aspects of ceramics, providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Materials Fee. Pass/No Pass Option.</td>
</tr>
<tr>
<td>ART 067A</td>
<td>CERAMICS-POTTER’S WHEEL</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>Acceptable for credit: University of California, California State University</td>
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<td>This course introduces students to those basic skills and techniques of the potter’s wheel needed to create a variety of ceramic forms. Instruction includes clay and glaze formulation, construction, and stacking and firing of ceramic kilns. Students develop aesthetic awareness of three-dimensional design. Materials Fee. Pass/No Pass Option.</td>
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<tr>
<td>ART 067B</td>
<td>CERAMICS-POTTER’S WHEEL</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>Prerequisite: ART 067A</td>
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<td>Acceptable for credit: University of California, California State University</td>
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<td>This course is an advanced course working on the potter’s wheel. The course is directed toward: refinement of skills on the potter’s wheel, production throwing techniques, advanced kiln firing techniques, clay compositions, thrown sculpture, and combining hand and wheel techniques. Focus is on developing a personal design style. Materials Fee. Pass/No Pass Option.</td>
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<tr>
<td>ART 067C</td>
<td>CERAMICS-POTTER’S WHEEL</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>Prerequisite: ART 067B</td>
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<td></td>
<td>ART 067C focuses on building high-intermediate technical skills in working with the potter’s wheel. Pass/No Pass Option.</td>
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<td>This course focuses on specialized clay bodies for a variety of glaze firing, specialized glazes for specific glaze characteristics, and specific artistic styles. Materials Fee. Pass/No Pass Option.</td>
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<tr>
<td>ART 067D</td>
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<td>This course focuses on specialized clay bodies for a variety of glaze firing, specialized glazes for specific glaze characteristics, and specific artistic styles. Materials Fee. Pass/No Pass Option.</td>
<td></td>
<td>This course is a studio course which introduces students to the elements of design and metalsmithing techniques used in the creation of metal objects. Problems involve those concepts specific to the potential of metal, i.e., structure, surface, color, function, etc. Materials Fee. Pass/No Pass Option.</td>
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<tr>
<td>ART 075A</td>
<td>METALSMITHING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Advisory: ART 033A, ART 033B or demonstrated subject/skills proficiency</td>
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<td></td>
<td>This course is a studio course which introduces students to the elements of design and metalsmithing techniques used in the creation of metal objects. Problems involve those concepts specific to the potential of metal, i.e., structure, surface, color, function, etc. Materials Fee. Pass/No Pass Option.</td>
<td></td>
<td>This course is a low intermediate studio practice which focuses on strengthening metalsmithing techniques used in the creation of metal objects. Problems involve those concepts specific to the potential of metal, i.e., structure, surface, color, function, etc. Materials Fee. Pass/No Pass Option.</td>
</tr>
<tr>
<td>ART 075B</td>
<td>METALSMITHING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Prerequisite: ART 075A</td>
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<td>This course is a low intermediate studio practice which focuses on strengthening metalsmithing techniques used in the creation of metal objects. Problems involve those concepts specific to the potential of metal, i.e., structure, surface, color, function, etc. Materials Fee. Pass/No Pass Option.</td>
<td></td>
<td>This course is an advanced course in metalsmithing which provides students with an opportunity to build on skills learned in previous course levels and explore new techniques. Topics may include advanced techniques in jewelry casting, metal sculpture construction, and color on metal. Pass/No Pass Option.</td>
</tr>
<tr>
<td>ART 075C</td>
<td>METALSMITHING</td>
<td>3.0</td>
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<td>ART 075D</td>
<td>METALSMITHING</td>
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<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td>This course is an advanced course in metalsmithing which provides students with an opportunity to build on skills learned in previous course levels and explore new techniques. Topics may include advanced techniques in jewelry casting, metal sculpture construction, and color on metal. Pass/No Pass Option.</td>
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<tr>
<td>ART 078A</td>
<td>FURNITURE DESIGN AND WOODWORKING</td>
<td>3.0</td>
<td>Total Lecture: 36 hours, Total Lab: 54 hours</td>
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<td></td>
<td>Acceptable for credit: California State University</td>
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<td>This course introduces students to those basic skills and techniques of the potter’s wheel needed to create a variety of ceramic forms. Instruction includes clay and glaze formulation, construction, and stacking and firing of ceramic kilns. Students develop aesthetic awareness of three-dimensional design. Materials Fee. Pass/No Pass Option.</td>
</tr>
</tbody>
</table>
This course develops basic technical skills in furniture design, construction and finishing. The emphasis is on individual design and innovative use of materials in the construction. Materials Fee. Pass/No Pass Option.

**ART 078B**  
**FURNITURE DESIGN AND WOODWORKING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: Eligibility for ENG 001A and REA 054  
Prerequisite: ART 078A  
Acceptable for credit: California State University

This course introduces more advanced techniques and design skills in furniture construction. The students develop individual and/or group projects under the direction of the instructor, focusing on special aspects of furniture and woodworking. Materials Fee. Pass/No Pass Option.

**ART 078C**  
**FURNITURE DESIGN AND WOODWORKING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Prerequisite: ART 078B  
Acceptable for credit: California State University

ART 078C is an advanced woodworking class which involves furniture construction techniques and equipment not covered in previous levels. Topics include advanced cabinetry techniques and complex joinery. Pass/No Pass Option.

**ART 078D**  
**FURNITURE DESIGN AND WOODWORKING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Prerequisite: ART 078C  
Acceptable for credit: California State University

ART 078D is an advanced course in woodworking and furniture design. Fourth in the series, this course allows students to work independently to continue to refine previously mastered design and technical skills, and to prepare for careers in the industry. Pass/No Pass Option.

**ART 085A**  
**SCULPTURE**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: Eligibility for ENG 001A and REA 054, ART 031A or ART 033A  
Acceptable for credit: University of California, California State University

This course is an introductory course in sculpture emphasizing individual expression. Subtractive, additive and fabrication techniques including modeling, casting and carving are covered. Utilizing clay, wood, plaster and metal are covered as well. Materials Fee. Pass/No Pass Option.

**ART 085B**  
**SCULPTURE**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Prerequisite: ART 085A  
Acceptable for credit: University of California, California State University

This course builds on skills and concepts learned in ART 085A, and introduces new techniques. Students explore the development of a personal style of sculpture design. Materials Fee. Pass/No Pass Option.

**ART 085C**  
**SCULPTURE**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: Eligibility for ENG 001A and REA 054  
Prerequisite: ART 085B  
Acceptable for credit: University of California, California State University

This course is an advanced course in sculpture casting. It provides students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Materials Fee. Pass/No Pass Option.

**ART 088A**  
**METAL SCULPTURE CASTING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: ART 088A or ART 033B  
Acceptable for credit: California State University

This course is a study of the metal casting process which introduces new techniques and skill-building assignments, as well as development of a personal form. Materials Fee. Pass/No Pass Option.

**ART 088B**  
**METAL SCULPTURE CASTING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Prerequisite: ART 088A  
Acceptable for credit: California State University

This course is a basic course in metal sculpture casting. Students develop skills in lost wax and lost styrofoam techniques with an emphasis on three-dimensional design. Materials Fee. Pass/No Pass Option.

**ART 088C**  
**METAL SCULPTURE CASTING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: Eligibility for ENG 001A and REA 054  
Prerequisite: ART 088B  
Acceptable for credit: California State University

This course focuses on different aspects of metal sculpture casting. It provides students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Materials Fee. Pass/No Pass Option.

**ART 088D**  
**METAL SCULPTURE CASTING**  
3.0 UNITS  
Total Lecture: 36 hours, Total Lab: 54 hours  
Advisory: Eligibility for ENG 001A and REA 054  
Prerequisite: ART 088C  
Acceptable for credit: California State University

This course focuses on different aspects of metal sculpture casting. It provides students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Materials Fee. Pass/No Pass Option.

**ART 091**  
**DIRECTED STUDIES**  
1.0 UNIT  
Total Lab: 54 hours  
Students may apply for Directed Studies in any art or art history course currently offered, provided they have successfully completed the first year of the course applied for and obtain consent of the instructor. Directed Studies course unit credit to be determined by the instructor based on the student’s objectives. Pass/No Pass Option.

**ASTRonomy (AST)**

**AST 001**  
**ASTRONOMY**  
3.0 UNITS  
Total Lecture: 54 hours  
Acceptable for credit: University of California, California State University

This course is a descriptive astronomy lecture only course covering the entire panorama of the universe, including early human observations, the origin and structure of the solar system, and the properties, origin and evolution of stars, galaxies and cosmology. Grade only. CSUGE: B1; IGETC: 5A.

**AST 003**  
**ASTRONOMY WITH LAB**  
4.0 UNITS  
Total Lecture: 54 hours, Total Lab: 54 hours  
Advisory: MAT 903  
Acceptable for credit: University of California, California State University

This course covers the entire panorama of the universe from the observations of the night sky to the origin and structure of the planets, stars, galaxies and the universe. The laboratory portion of the course includes practical experience with the methods of astronomy using computers and other equipment. Grade only. CSUGE: B1, B3; IGETC: 5A, 5C.