### General Courses
- **1001 Two-Dimensional Design (3)**
  - Prereq.: majors and interior design majors only, 4 hrs. lab, 1 hr. studio. Project production of working drawings in the structure of two-dimensional works of art; principles of organization and elements of art; role of the visual arts in society.
  - Credit will not be given for both this course and ART 1009. Students are responsible for studio fee associated with course.
- **1012 Three-Dimensional Design (3)**
  - Prereq.: majors only, 6 hrs. studio.
  - Credit will not be given for both this course and ART 1009. Students are responsible for studio fee associated with course.
- **7005 Graduate Design Studio V (6)**
  - F. Credit will not be given for this course and ARCH 7006. Prereq.: consent of School of Architecture Graduate Committee. May be taken for a max. of 9 hrs. of credit when topics vary.

### Digital Art
- **2050 Digital Art I (3)**
  - Prereq.: majors/minors only, ART 1008 or 1011, 2 hrs. lecture/2 hrs. studio. Students are responsible for studio fee associated with course.
  - Introduction to digital applications in art.
- **2055 Digital Art II (3)**
  - Prereq.: ART 2050 or permission of instructor. 2 hrs. lecture. Students are responsible for studio fee associated with course.
  - Introductory work in digital animation and multimedia applications.
- **4050 Digital Art III (3)**
  - Prereq.: ART 2055 or equivalent. 6 hrs. studio. Primarily for students majoring in art. Students are responsible for studio fee associated with course.
  - Intermediate work in digital animation.
- **4055 Digital Art IV (3)**
  - Prereq.: ART 4050 or equivalent. 6 hrs. studio. Primarily for students majoring in art.
  - Advanced work in digital imaging, video, and animation.
- **4059 Digital Media Capstone (3)**
  - Prereq.: At least 15 hours credit towards the Digital Media Arts track. 2 hrs. lecture, 2 hrs. lab. Credit will not be given for both EE 4859 and ART 4059. Culminating capstone project experience requiring interdisciplinary teams to prototype a digital media work or application.

### Graphic Design
- **1551 Basic Design (3)**
  - Prereq.: majors/minors only, ART 1008 or 1011. 6 hrs. studio. Basic design projects that investigate form and the delineation of space within a two-dimensional field; emphasis on hand skills and traditional design media.
- **2544 Letter Forms (3)**
  - Prereq.: ART 1011 and permission of instructor. 6 hrs. studio. An Honors course, ART 2545 is also available. Credit will not be given for this course and drawn letter form studies; traditional and contemporary variations.
- **2545 HONORS: Letter Forms (3)**
  - Prereq.: ART 1011 and permission of instructor. Students are responsible for studio fee associated with course. SRT 2545, with special emphasis for qualified Honors students. Credit will not be given for this course and ART 2544.
  - 2551 Typography for Visual Communications (3)
  - Prereq.: consent of instructor and ART 1011. 2 hrs. lecture; 2 hrs. lab. Students are responsible for studio fee associated with course. Historical overview of type and letter forms; introduction to professional typography in print and digital environments; primary focus will be applications to contemporary communications.
- **2552 Color Design (3)**
  - Prereq.: ART 1011 and permission of instructor. 6 hrs. studio. Color as a functional design element of perception and visual communication.
- **2554 Graphic Design I (3)**
  - Prereq.: ART 1011 and permission of instructor. 6 hrs. studio. An Honors course, ART 2555, is also available. Credit will not be given for this course and ART 2554. Professional procedures for solving design problems from first ideas through finished presentations; emphasis on the integration of letter forms and graphics.
- **2555 HONORS: Graphic Design I (3)**
  - Prereq.: ART 1011 and permission of instructor as ART 2554, with special emphasis for qualified Honors students. Credit will not be given for this course and ART 2554. Advanced study in graphic abstraction and movement, and poetry; lectures and discussions on the history of performance and drawing.

### Studio ART
- **1001 Introduction to Fine Arts (3)**
  - Prereq.: majors/minors only, ART 1008 or 1011. 6 hrs. studio. Studio art problems from first ideas through finished presentations; emphasis on the integration of letter forms and graphics, with special emphasis for qualified Honors students.
  - Credit will not be given for this course and ART 2251. Studio art problems from first ideas through finished presentations; emphasis on the integration of letter forms and graphics.

### Ceramics
- **1661 Introduction to Ceramics I (3)**
  - Prereq.: majors/minors only, consent of instructor. 6 hrs. studio. Students are responsible for studio fee associated with course.
- **1662 Introduction to Ceramics II (3)**
  - Prereq.: ART 1009 or 1012 or consent of instructor. 6 hrs. studio. Students are responsible for studio fee associated with course.
- **2611 Intermediate Ceramics (3)**
  - Prereq.: ART 1661, 1662, and permission of instructor. 6 hrs. studio. May be taken for a max. of 9 sem. hrs. of credit. An Honors course, ART 2662 is also available. Credit will not be given for this course and ART 2661. Studio techniques and issues in ceramics; continued investigation of hand-building and wheel-throwing.
- **2622 HONORS: Intermediate Ceramics (3)**
  - Prereq.: ART 1661, 1662, and permission of instructor. 6 hrs. studio. May be taken for a max. of 9 sem. hrs. of credit. Same as ART 2661 with special emphasis for qualified honors students. Credit will not be given for this course and ART 2661. Students are responsible for studio fee associated with course.
- **4641 Speciﬁc techniques in Ceramics (3)**
  - Prereq.: ART 1661 or 1662 or consent of instructor. 6 hrs. studio. May be taken for a max. of 9 sem. hrs. of credit. Students are responsible for studio fee associated with course. Advanced studio work in predetermined area of specialization with emphasis on formulation of clay bodies, glazes and practice of kiln operation, building, and maintenance.
- **4651* Speciﬁc techniques in Jewellery/Metalsmithing (3)**
  - Prereq.: consent of instructor based on review of student's portfolio. 5, 12 hrs. studio. May be taken for a max. of 15 hrs. of credit. Students are responsible for studio fee associated with course. Studio work in predetermined area of specialization with emphasis on a single technique, material or approach. \* May be taken for a max. of 9 sem. hrs. of credit.
- **4655* Advanced Jewellery/Metalsmithing (3)**
  - Prereq.: consent of instructor based on review of student’s portfolio. 6, 12 hrs. studio. May be taken for a max. of 15 hrs. of credit. Students are responsible for studio fee associated with course. Advanced studio work in one specific process such as: forging, forming, reproduction processes, historical and contemporary aesthetic in art jewelry and metalsmithing.
area of graphic design. 4526 Prepress Production Techniques (3) Prereq.: consent of instructor. Techniques to solve design production problems in the graphic design profession; typesetting methods; primary printing processes, mechanical and digital design, prepress. 4527 Applied Typography (3) Prereq.: consent of instructor. 6 hrs. studio. Developing and understanding typographic skills through use of type and its application within the digital environment. 4541 Special Studies in Graphic Design (3) Prereq.: consent of instructor. 6 hrs. studio. Advanced techniques and practical experience with graphic arts concepts. 4550 Digital Imaging for Visual Communications (3) Prereq.: consent of instructor and ART 2551 or equivalent. 2 hrs. lecture; 2 hrs. lab. Students are responsible for studio fee associated with course. Basic exploration of digital photographic technology and its application in communications; topics include: scanning, image processing and manipulation, digital filtering, and imaging peripherals; emphasis on emerging technology and preparing images for multimedia application. 4551 Graphic Design Media I (3) Prereq.: consent of instructor. 6 hrs. studio. Problems in design related to the professional design field; methods of reproduction, exhibition techniques, and digital graphic application and production. 4555 Graphic Design III (3) Prereq.: consent of instructor. 6 hrs. studio. Principles of visual communication through graphic design: history, philosophy, and application. 4560 Interactive Media for Visual Communications (3) Prereq.: consent of instructor and ART 4550 or equivalent. 2 hrs. lecture; 4 hrs. studio. Students are responsible for studio fee associated with course. Basic application of interactive digital technology: design and application of Internet-based communications, hypermedia language, virtual reality, sound and visual synchronization, communications standards, emerging technologies, and multimedia; special focus on the study and application of interactive multimedia theory. 4561 Survey of Graphic Design (3) Prereq.: consent of instructor. Overview of graphic design, covering its development from its inception to the present; its relationship to other arts; and the cultural influences and technological advances that have shaped its present role in the field of visual communications. 4564 Senior Graphic Design (3) Prereq.: consent of instructor. 6 hrs. studio. May not be taken concurrently with ART 4555. The course is not offered during the summer term. Design projects investigating problems of visual communication; individual and group projects with professional-level presentation. 4567 Interactive Multimedia Design (3) Prereq.: consent of instructor. 6 hrs. studio. May be taken for a max. of 6 hrs. of credit. Students are responsible for studio fee associated with course. Application of interactive computer graphics technology for art and design; design and application of CD-ROM, valued-added communications, hypermedia language, virtual reality, sound and visual synchronization, communication standards, emerging technologies, and multimedia; special focus on the study and application of interactive multimedia design theory. 4574 Graphic Design Synthesis (3) Prereq.: consent of instructor based on review of student’s portfolio. 6 hrs. studio. May be taken for a max. of 6.5 hrs. of credit. Project or internship approved by graphic design faculty committee. 4576 Digital Imaging Techniques (3) Prereq.: consent of instructor. 6 hrs. studio. May be taken for a max. of 6.5 hrs. of credit. Students are responsible for studio fee associated with course. Digital imaging technology and its application in art and design areas; scanning, image processing, and manipulation, digital filtering, and imaging peripherals. Emphasis on digital imaging aesthetics, emerging technology, and preparing images for printed and multimedia applications. 7500 Graduate Graphic Design (3.6) or 12 hrs. studio. Each. May be taken for a max. of 36 hrs. of credit. 7553, 7554, 7555, 7556 Graduate Research in Design (3) each Prereq.: consent of instructor. 6 hrs. studio each. 1847 Beginning Figure Drawing (3) Prereq.: majors/minors only, ART 1010 or 1847. 6 hrs. studio. Students are responsible for studio fee associated with course. Studies from the live model; introduction of graphic representation; emphasis on line and composition. 1849 Introduction to Painting (3) Prereq.: majors/minors only, ART 1008 or 1011, ART 1010 or 1847. 6 hrs. studio. Students are responsible for studio fee associated with course. Continued investigation of traditional and modern materials and terminology; value and color experiences involving simple forms and space. 2000 INTERGRAD (3) ART 1848 and 1849 and permission of instructor. 6 hrs. studio. Same as ART 2981, with special emphasis for qualified Honors students. Credit will not be given for this course and ART 2981. 2879 Figure Drawing II (3) Prereq.: ART 1845. 6 hrs. studio. Students are responsible for studio fee associated with course. Contour drawing. 2880 Intermediate Drawing (3) Prereq.: ART 1847 and 1848. 6 hrs. studio. Imaginative Composition utilizing the figure, still-life, and landscape forms. 2881 Painting II (3) Prereq.: ART 1848 and 1849. 6 hrs. studio. May be taken for a max. of 6.5 hrs. of credit. An Honors course. ART 2880 is also available. Credit will not be given for this course and ART 2880. Studio problems in painting directed toward conceptual attitudes, analysis of structure, and color in composition; individual criticism, class discussion. 2882 Abstract Painting (3) Prereq.: ART 1847, 1848, and 1849. 6 hrs. studio. Studio approaches to abstraction; individual criticism, class discussion. 2883 Water Media Painting (3) Prereq.: ART 2879 or consent of instructor. 6 hrs. studio. Objects and landscape; composition. 2891 Advanced Water Media Painting (3) Prereq.: ART 2881 and 2882. 6 hrs. studio. May be taken for a max. of 9 hrs. of credit. (Advanced Studio work in a predetermined area of specialization.) 4088 Figure Painting (3) Prereq.: ART 2881, 6 hrs. studio. May be taken for a max. of 9.5 hrs. of credit. Students are responsible for studio fee associated with course. Studies from the life model. 4081 Painting III (3) Prereq.: ART 2881, 6 hrs. studio. May be taken for a max. of 9.5 hrs. of credit. Contemporary in approach; concepts in painting; individual criticism, class discussion. 4082 Advanced Water Media Painting (3) Prereq.: ART 2883-2885. 6 hrs. studio. May be taken for a max. of 12.5 hrs. of credit. Advanced studio work in water-soluble media on paper. 4084 Painting IV (3) Prereq.: ART 4881. 6 hrs. studio. May be taken for a max. of 6.5 hrs. of credit. Research into advanced visual schema through self-initiated studio problems. 4085 Landscape Painting (3) Prereq.: ART 2881. 6 hrs. studio. On-location and studio development of the landscape. Students will be using basic silkscreen printing, mixed media, and traditional drawing media in completing the landscape. 4087 Lithography (3) Prereq.: consent of instructor. 6 hrs. studio. May be taken for a max. of 9.5 hrs. of credit. Students are responsible for studio fee associated with course. Study of the human figure using various media. 4088 Advanced Drafting Workshop (3) Prereq.: 9.5 hrs. of credit. Students are responsible for studio fee associated with course. Directed studies for the advanced student. 7800 Graduate Painting (3.6) or 12 hrs. studio. May be taken for a max. of 36 hrs. of credit. 7881 Painting Seminar (3) Prereq.: students currently enrolled in the graduate painting program. 3 hrs. seminar. Projects and critique. 6 hrs. studio. May be taken for a max. of 18 hrs. of credit. Discussion of formal and conceptual issues related to the medium. PHOTOGRAPHY 2995 Basic Photography (3) Prereq.: majors/minors only, ART 1008 or 1011; 6 hrs. studio. Students are responsible for studio fee associated with course. Basic concepts and techniques of black and white photography; emphasis on photography as a visual art. 2996 Intermediate Photography (3) Prereq.: ART 2995 and permission of instructor. 6 hrs. studio. An Honors course, ART 2996, is also available. Credit will not be given for this course and ART 2997. Students are responsible for studio fee associated with course. Continued investigation of basic photographic skills and concepts in p
ART HISTORY • ARTH

General education courses are marked with stars (★).

★ 1440 Historical Survey of the Arts (3) Prehistoric, Near-Eastern, Greek, Roman, and medieval art.
★ 1441 Historical Survey of the Arts (3) Renaissance to modern art.
★ 2401 Art of the Ancient Near East and Egypt (3) Development of art and architecture in the ancient Near East and Egypt over three millennia; influences of one culture on another and subsequent contributions to Western art.
★ 2402 Classical Art (3) Survey of the art and archaeology of the ancient Greek and Roman worlds, ca. 1000 BCE-500 CE.
★ 2411 Survey of Italian Art (3) The arts of China, India, and Japan in relation to religions and philosophical beliefs that affected their production.
2469 Italian Renaissance Art (3) Italian painting, sculpture, and architecture from 1400 to 1600.
★ 2470 Survey of 20th Century Art (3) Modern art. 2480 Modern and Contemporary Studies (3) Introduction to art and history museums, their missions and functions; practical aspects and philosophical issues related to museum work.
4001 History of Prints (3) History of prints from the 15th century to the present.
4004 The Art of Rome (3) Development of architecture, sculpture, and painting from Rome’s early beginnings (600-200 B.C.) to the end of the 4th century.
4050 Early Christian and Byzantine Art (3) Painting, sculpture, and architecture of the Christian era through 12th century Byzantium.
4060 Romanesque Art (3) Architecture, sculpture, and painting, from the 9th through the 12th centuries in France, Germany, and England.
4061 Early Greek Art (3) Greek art to the time of the Persian Wars.
4100 Later Greek Art (3) Greek art from the time of Alexander to the Augustan age.
4112 Greek Art (3) Architecture, sculpture, and painting of Northern Europe from 150 to 1450.
4103 Early Netherlandish and German Painting (3) Painting in the Netherlands and Germany in the 15th and 16th century.
4020 Studies in Art History (3) May be repeated for credit when topics vary. Advanced work in a predetermined area of specialization.
4106 History of Modern Design (3) Aesthetic theory and stylistic evolution of decorative arts from mid-19th century to the present; emphasis on crafts, architectural decoration, furniture, interior design, and industrial design; Victorian period, arts and crafts movement, art nouveau, Bauhaus, and international style.
4107 Early Renaissance Painting in Italy (3) The origins and early development of Italian Renaissance painting in Florence and Siena.
4108 High Renaissance and Mannerist Painting in Italy (3) The climax of Italian painting.
4109 Renaissance Sculpture in Italy (3) The origins and early development of Italian sculpture; emphasis on patronage, and significance within its social and cultural context.
4227 Northern Baroque Painting (3) Dutch, Flemish, and French painting of the 17th century.
4229 Southern Baroque Art (3) Painting, sculpture, and architecture of the 17th century in Italy and Spain.
4343 18th Century European Art (3) European art from the age of absolutism to the beginning of the Napoleonic era, including Rococo art, the influence of Enlightenment thought, the rediscovery of classical antiquity, Neoclassicism, and the impact of the French Revolution on the visual arts.
4411 Chinese Painting (3) History of Chinese painting from prehistoric times through the 20th century.
4412 Japanese Art (3) History of Japanese painting, sculpture, architecture, and ceramics from prehistoric times through the early 20th century.
4413 Indian Art (3) History of Indian painting, sculpture, and architecture from prehistoric times through the 16th century.
4444 Southeast Asian Art (3) History of architecture, sculpture, ceramics, and painting in Burma, Thailand, Cambodia, Indonesia, Vietnam, and Laos from the prehistoric times through the 20th century.
4450 19th Century European Painting (3) History of painting in European countries from the French Revolution (1789) to 1900; emphasis on neoclassicism, romanticism, realism, impressionism, expressionism, and symbolism.
4451 Early 20th Century European Art (3) Story of painting and sculpture in European countries from 1900 to 1960; emphasis on Fauvism, Cubism, geometric abstraction, Futurism, Dada and Surrealism, German Expressionism, British figurative art, and the School of Paris.
4464 American Art to 1900 (3) North American painting, architecture, and sculpture from the colonial beginnings to 1900; emphasis on landscape.
4470 American Art (1900-1960) (3) Study of American painters and sculptors between 1900 and 1960; from the Impressionists to the Abstract Expressionists; emphasis on the artists’ connections to social, political, and cultural developments.
4499 Independent Study in Art History (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary.
4499 Undergraduate Seminar (3) Prereq.: ARTH 1440, 1441, and any four additional art history courses; open only to art history majors and junior and senior standing. Intensive reading, writing, and classroom discussion, introduction to art-historical research and methodologies.
7400 Art History and Criticism (3) Critics; building of art collections from ancient to modern times.
7410 Colloquium in Art Historical Methods (1) Pass/fail grading. An introduction to the historical development of the discipline of art history and art-historical methodology.
7420 Specified Topics in Art History (1-3) Independent graduate student in art or consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary. Advanced topics in art history.
7441, 7442 Graduate Research Seminar in History of Art (1,3) Each course may be taken for a max. of 6 hrs. of credit when topics vary per semester.
7490 Independent Study in Art History (1-3) Prereq.: consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary.
8900 Thesis Research (1-12 per sem.) “S”/”U” grading. Thesis preparation under the supervision of a graduate faculty member serving as the student’s major professor.

ASTRONOMY • ASTR

General education courses are marked with stars (★).

★ 1101 The Solar System (3) Prereq.: MATH 1021 or an ACT math score of at least 21. Fundamental principles of the solar system.
★ 1102 Stellar Astronomy (3) Prereq.: MATH 1021 or an ACT math score of at least 21. Fundamental principles of stellar astronomy.
1108 Astronomy Laboratory (1) 2 hrs. lab. Prereq.: credit or registration in ASTR 1101. Analysis of light from celestial and cultural sources; visual and photographic observations of positions of celestial bodies with applications to star charts and globes; visual and photographic observations will be made using telescopes; provides student with practical observing experience.
1109 Astronomy Laboratory (1) 2 hrs. lab. Prereq.: credit or registration in ASTR 1101. Analysis of light from celestial and cultural sources; visual and photographic observations of stars and nebulae; training in the use of smaller telescopes and larger telescopes with multimedia.