<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Course Type(s)</th>
<th>Term Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR-101</td>
<td>Art Appreciation</td>
<td>3</td>
<td>None</td>
<td>All Terms</td>
<td></td>
</tr>
<tr>
<td>AR-111</td>
<td>Basic Design and Composition</td>
<td>3</td>
<td>AT</td>
<td>All Terms</td>
<td>AR-113 and AR-191</td>
</tr>
<tr>
<td>AR-113</td>
<td>Basic Design and Composition</td>
<td>3</td>
<td>AT</td>
<td>All Terms</td>
<td></td>
</tr>
<tr>
<td>AR-114</td>
<td>Basic Design and Color</td>
<td>3</td>
<td>None</td>
<td>All Terms</td>
<td>AR-113 and AR-191</td>
</tr>
<tr>
<td>AR-116</td>
<td>Three-Dimensional Design</td>
<td>3</td>
<td>None</td>
<td>All Terms</td>
<td>AR-113 and AR-191</td>
</tr>
<tr>
<td>AR-177</td>
<td>Introduction to Digital Design for Non-Art majors</td>
<td>3</td>
<td>None</td>
<td>All Terms</td>
<td>AR-113</td>
</tr>
<tr>
<td>AR-178</td>
<td>Web Studio</td>
<td>3</td>
<td>IM</td>
<td>All Terms</td>
<td>AR-113</td>
</tr>
<tr>
<td>AR-181</td>
<td>Digital Photography I</td>
<td>3</td>
<td>AT, IM</td>
<td>All Terms</td>
<td>AR-113 and AR-191</td>
</tr>
<tr>
<td>AR-183</td>
<td>Black and White Photography I</td>
<td>3</td>
<td>AT</td>
<td>All Terms</td>
<td>AR-113 and AR-191</td>
</tr>
<tr>
<td>AR-191</td>
<td>Drawing I</td>
<td>3</td>
<td>AT</td>
<td>All Terms</td>
<td>AR-191</td>
</tr>
<tr>
<td>AR-192</td>
<td>Drawing II</td>
<td>3</td>
<td>None</td>
<td>All Terms</td>
<td>AR-191</td>
</tr>
</tbody>
</table>

AR-101: An introduction to basic graphic design and visual communication concepts. Builds on the skills learned in foundation courses in basic design and complements the introduction to the field in Graphic Design Studio I, AR-269. Students will become proficient in design concepts and computer skills later used in the Graphic Design field, including page layout, illustration, photography, and Web design. They will continue to develop creative problem-solving skills and the foundation theory of Graphic Design.

AR-111: Drawing and design disciplines pertaining to a solid and basic understanding of composition, figure-ground relationships and the organization of marks and shapes on flat surfaces. Some beginning aspects of color and an experience relating to relief forms.

AR-113: Drawing I

AR-114: Basic Design and Color

AR-116: Three-Dimensional Design

AR-177: Introduction to Digital Design for Non-Art majors

AR-178: Web Studio

AR-181: Digital Photography I

AR-183: Black and White Photography I

AR-191: Drawing I

AR-192: Drawing II
AR-198  Special Topics in Art (100 Level)  Credits: 1-3
Prerequisite: As announced in the course schedule.
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

AR-199  Independent Study in Art  Credits: 1-3
Term Offered: All Terms
Course Type(s): None
Guided research - A studio project or art history topic. Weekly consultation. May be elected for a total of 6 credits.

AR-217  Sculpture I  Credits: 3
Prerequisite: Art-116, AR-191, and AR-192 for art majors.
Term Offered: All Terms
Course Type(s): None
Sculpture for beginners as well as intermediate students, including modeling from life, direct sculpture in plaster, clay modeling, and simple casting procedures. Six hours per week. Department chair approval is required for non-art majors.

AR-218  Sculpture II  Credits: 3
Prerequisite: AR-217.
Term Offered: All Terms
Course Type(s): None
A direct continuation of AR-217, Sculpture I, along with some assemblage, construction and alternate casting methods. Six hours per week.

AR-221  Painting I  Credits: 3
Prerequisites: Art-113, AR-114, AR-191, and AR-192 for art majors.
Term Offered: All Terms
Course Type(s): None
Techniques and craftsmanship to facilitate expression in acrylic or oil painting; still-life and landscape subjects. Art and Art Education students must have prerequisite. Six hours of studio work per week. Department chair approval is required for non-art majors.

AR-222  Painting II  Credits: 3
Prerequisite: AR-221.
Term Offered: All Terms
Course Type(s): AT
A continuation of AR-221, Painting I, with emphasis on the further development of painterly ideas and creative thinking. Art and Art Education majors must have prerequisites. Six hours of studio work per week.

AR-241  History of Western Art I  Credits: 3
Term Offered: All Terms
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from Prehistoric to Gothic periods. Weekly lectures and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-242  History of Western Art II  Credits: 3
Term Offered: All Terms
Course Type(s): ARHIS, AT
Survey of the significant styles and periods in Western art and architecture from the Renaissance to the present. Weekly lecture and discussions assist students with developing their visual literacy and a critical understanding of the past.

AR-243  History of Graphic Design  Credits: 3
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): ARHIS, TL, WT
A survey of the history of graphic design in the twentieth and twenty-first centuries. The course is an overview of design and instructs students in researching areas of interest to broaden their knowledge of contemporary issues in graphic design.

AR-253  Digital Photography II  Credits: 3
Prerequisites: AR-181 and AR-183.
Term Offered: All Terms
Course Type(s): AT
Students develop knowledge of image development, construction, retouching, and collage techniques using traditional film, digital images, and drawing as source material. Students will learn a variety of camera skills, including shooting in RAW format. A critical examination of intent is stressed along with output options and color management. Introduces programs such as Aperture and/or Lightroom to further expand digital workflow skills.

AR-265  Hand Built Ceramics  Credits: 3
Term Offered: All Terms
Course Type(s): AT
An introduction to clay as a creative material for making both functional and sculptural 3-D forms using various hand-building techniques, including coils, slabs, carving, incising, and their combination. Basic glazing and firing methods will be covered. Slide presentations, group and individual critiques will be part of the curriculum.

AR-266  Wheel Thrown Ceramics  Credits: 3
Term Offered: All Terms
Course Type(s): AT
An introduction to the potter’s wheel as a tool for creating both functional and sculptural clay forms. In addition to throwing forms on the wheel, students will gain knowledge about glazing and firing techniques. Slide presentations, group, and individual critiques will be part of the curriculum.

AR-269  Graphic Design Studio I  Credits: 3
Prerequisite: AR-113 for Art majors only.
Corequisite: AR-114.
Term Offered: All Terms
Course Type(s): None
An introduction to graphic design, including conceptual thinking, letterform design, layout, and design techniques. Students will also be introduced to design history and current issues regarding the profession. Department chair approval is required for non-art majors.

AR-270  Graphic Design Studio II  Credits: 3
Prerequisites: AR-172 or AR-177, and AR-269.
Term Offered: All Terms
Course Type(s): None
Introduces more advanced visual communications and typographic problem solving. Projects strategically test the students’ understanding of design theory and thinking. Individual projects mimic those in a professional design environment and are developed following the traditional creative process. Projects focus on three-dimensional principles as they relate to the area of packaging.
AR-273  Digital Illustration  Credits: 3
Prerequisite: AR-172 or AR-177.
Term Offered: All Terms
Course Type(s): None
A continuation of Computer Graphics with primary emphasis on more advanced illustration software. Assignments build on previously learned software and concepts. Projects may include illustrative posters, booklets, and interiors.

AR-278  Computer Graphics 2 for the Non-Art Major  Credits: 3
Prerequisite: AR-177.
Term Offered: All Terms
Course Type(s): None
A continuation of AR-177, Computer Graphics I for the Non-Art major, with primary emphasis on more advanced computer applications as they apply to graphic design and desktop publishing. Software will be used to learn more advanced concepts in visual communication and design.

AR-283  Black and White Photography II  Credits: 3
Prerequisite: AR-183.
Term Offered: All Terms
Course Type(s): None
Focuses on advanced technical skills as a means of gaining greater personal and aesthetic understanding. Advanced 35mm camera and printing techniques, basic studio lighting, and exploring different photographic formats including medium, large, and toy cameras, as well as experimental techniques of image making and printing.

AR-284  Web Design Dynamic for Non-BFA Candidates  Credits: 3
Prerequisite: AR-178.
Term Offered: All Terms
Course Type(s): IM
Integrates previously learned Web design and development concepts. Allows students to focus on the Web interactively and 2D animation using Adobe Flash and audio/video files on the Internet. Besides Adobe Flash, a variety of software tools including Photoshop, Illustrator, and sound editing tools are used to develop design concepts, Web graphics, animation, and interactive Websites/applications after a careful planning process. This course meets six hours per week. Not available to Fine Arts majors.

AR-286  Maya Animation for Non-BFA Candidates  Credits: 3
Prerequisites: AR-178, AR-181 or CO-145, and AR-284.
Term Offered: All Terms
Course Type(s): IM
Students will learn basic techniques of building three-dimensional, digital objects along with the basic theories and principles of animation using the software Maya. Skills needed to construct 3D objects in Maya will be introduced with hands-on experiences on the Macintosh platform. Meets six hours per week. Not available to Fine Arts majors.

AR-287  Typography  Credits: 3
Prerequisites: AR-113, AR-114, AR-172 or AR-177, and AR-269.
Term Offered: All Terms
Course Type(s): None
An introduction to the theory, function, history, and impact of typography in graphic design. This course is an analysis of the shape and form of letters. Investigation and comparison of existing typefaces, type specification and layout in relation to graphic design and the printed piece.

AR-288  Cooperative Education: Art or Graphic Design  Credits: 3
Term Offered: All Terms
Course Type(s): EX2
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-290  Motion Graphics for Non-BFA Candidates  Credits: 3
Prerequisites: AR-178, AR-181 or CO-145, and AR-284.
Term Offered: All Terms
Course Type(s): IM
An introduction to the art of time-based, graphic storytelling for non-art/design majors. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation, and orchestration of audio, video, still, and three-dimensional imagery. Meets six hours a week. Not available to Fine Arts majors.

AR-313  Lighting Techniques  Credits: 3
Prerequisites: AR-183, and AR-253 or AR-374.
Term Offered: All Terms
Course Type(s): None
A studio course that explores the photograph in contemporary art. Photography's integral tie to light serves as the backbone of this course as it investigates the alternative and contemporary spaces used by photographic artists. Digital and analog tools and skills blur as students are encouraged to experiment and challenge their ideas of what defines a photograph. Teaches studio lighting as it applies to fine art and commercial photography. Includes technical instruction in the lighting studio as well as on location with both portable lights and natural light. Defined by critiques and continues technical and conceptual advancement.

AR-317  Sculpture III  Credits: 3
Prerequisites: AR-217 and AR-218.
Term Offered: All Terms
Course Type(s): None
Volume, balance, movement, and structure in metals, stone, wood, found objects, cast stone, and wire. Students may work in the round, relief, or metallic direction. Six hours per week.

AR-321  Painting III  Credits: 3
Prerequisites: AR-221 and AR-222.
Term Offered: All Terms
Course Type(s): None
The development of the student as a painter, with emphasis on the philosophy of painting. Six hours of studio per week.
AR-323  Documentary Photography and Video  Credits: 3
Prerequisite: AR-181.
Term Offered: All Terms
Course Type(s): None
By investigating documentary-style photography and video this course concentrates on using images to tell stories. Working both independently and in small groups producing documentary photography and video, students explore the role of documentary photography and video in society.

AR-325  Writing Supplement for Art and Design  Credits: 1
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Corequisite: A 200-, 300-, or 400-level studio course.
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-326  Writing Supplement for Art and Design  Credits: 1
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Corequisite: A 200-, 300-, or 400-level studio course.
Term Offered: All Terms
Course Type(s): WT
The writing component for co-registered studio classes which integrates a fifteen-page research paper. Emphasis is placed on the quality of writing and research.

AR-335  BFA Internship/Seminar  Credits: 3
Prerequisites: AR-270 and AR-273.
Term Offered: All Terms
Course Type(s): EX1
Internship experience with the development of occupational or professional competence in the career setting. Combines both internship work experience at an approved work location with a structured seminar class. The seminar component of this course will also guide students through the process of resume writing, interviewing techniques, and best business practice. On-site graphic design work internship (fifteen to twenty hours per week) plus one hour weekly seminar with faculty. This course may be repeated once for credit.

AR-337  Art/Design Internship Seminar  Credits: 2
Term Offered: All Terms
Course Type(s): EX1
Internship experience with the development of occupational or professional competence in the career setting. Combines both internship work experience at an approved work location with a structured seminar class. The seminar component of this course will also guide students through the process of resume writing, interviewing techniques, and best business practice. On-site graphic design work internship (ten to fifteen hours per week) plus one hour weekly seminar with faculty. This course may be repeated once for credit.

AR-343  Renaissance, Mannerist, and Baroque Art  Credits: 3
Prerequisite: AR-242.
Term Offered: All Terms
Course Type(s): ARHIS
Painting, sculpture, and architecture in Europe from 1400s-1800s. Museum visits required.

AR-345  Early to Late Modern Art  Credits: 3
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): ARHIS, WT
A critical analysis of various meanings of "Modernism" in art. This course studies academic art to art of the present through U.S., European, and global case studies. Museum visits required.

AR-347  History of Photography  Credits: 3
Prerequisites: English 101 and 102, or permission of the instructor.
Term Offered: All Terms
Course Type(s): ARHIS, CD, WT
A topically arranged survey of world photography, this course takes as its central concern the multiple purposes to which photography has been adapted since its "discovery" in the early nineteenth century. Although the relationship between photography and fine art is considered, the many non-art uses of the medium are also discussed in an attempt to better understand the cultural contexts in which photography has been employed. Prerequisites: EN-101 and EN-102, or permission of the instructor.

AR-348  Art of India  Credits: 3
Term Offered: All Terms
Course Type(s): ARHIS, AT, BI, EL, GU, RE
The visual art of India: how to look at it and how it might be best understood. The larger cultural context in which this art was produced, drawing upon history, religion, mythology, and literature will be discussed. Essentially, pre-modern Indian art is religious art. After studying the major monuments associated with Buddhism and Hindu art, the themes common to both traditions will be considered. The temple as an artistic expression and as a religious center will be explored. Because of the vastness of India art, this course will not include Mughal and later monuments.

AR-349  Asian Art Survey  Credits: 3
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): ARHIS, AT, BI, EL, GU, WT, CC
Important Artistic Monuments from India, China and Japan. Since Buddhism is a connecting link for Asian cultures, emphasis is placed on Buddhist art.

AR-350  World Art Nineteenth-Twentieth Century  Credits: 3
Term Offered: All Terms
Course Type(s): ARHIS, RE
A global investigation of the cross-cultural evolution of art in the nineteenth to mid-twentieth century. Non-Western art will be studied from the point of discovery through its influence on modern, Western, visual expression. Emphasis will be placed on the significance of the art work within the context of the social, political, religious, and economic climate of its time.

AR-351  Methods of Teaching Art I  Credits: 3
Prerequisites: AR-114, AR-116, and AR-192.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. Open to Art majors only. Also listed as ED-351.
AR-352  Methods of Teaching Art II  Credits: 3
Prerequisite: AR-351 or ED-351.
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. Open to Art and Education majors only. Also listed as ED-352.

AR-353  Digital Photography III  Credits: 3
Prerequisites: AR-253 and AR-313.
Term Offered: All Terms
Course Type(s): None
A strong foundation in the technical and aesthetic aspects of color photography through projects utilizing digital RAW files and analog negatives with instruction in color printing and studio lighting as it pertains to the nuances of color. Discussions and critical writings focus on the history and theory of color photography. Combines analog and digital techniques and focuses on more advanced file managing and color control both on the monitor and in the print.

AR-360  Intermediate Ceramics  Credits: 3
Prerequisite: AR-265 or AR-266.
Term Offered: All Terms
Course Type(s): None
As a continuation of introductory-level ceramics classes, personal experimentation and development of students' personal expression is encouraged. Emphasis on individual instruction and discussions based on the students' interests. Ceramics technology and history of ceramic art through individual research will be part of the curriculum.

AR-368  Gender, Art, and Society  Credits: 3
Prerequisites: EN-101 and EN-102 or permission of the instructor.
Term Offered: All Terms
Course Type(s): ARHIS, GS
A critical survey about the role of gender in the arts through a study of representational subjects, artists, and patronage. This course considers art's role in the construction of gender as a social structure by drawing from fields that include art history, gender studies, critical race studies, and queer theory.

AR-370  Advanced Typography  Credits: 3
Prerequisite: AR-287.
Term Offered: All Terms
Course Type(s): None
Revisits the history, anatomy, classification, construction and use of type discussed in AR-287, Typography, but with greater emphasis on theory. Advanced Typography will also consider the emotional, expressive, and connotative aspects of letterforms and their organization. Possible applications could include environmental signage, sculptural installations and/or film.

AR-371  Graphic Design Studio III  Credits: 3
Prerequisites: AR-269, AR-270.
Term Offered: All Terms
Course Type(s): None
Marks the transition from graphic design fundamentals to more complex visual problem solving. Projects focus on corporate identity and branding, including client research, design briefs, creative exploration and implementation. Other projects include multi-page magazine and poster design. Professional preparation of work for commercial use is an integral part of this course.

AR-374  Digital Imaging  Credits: 3
Prerequisite: AR-273.
Term Offered: All Terms
Course Type(s): None
Advanced concepts and creative techniques in digital imaging using Adobe Photoshop. Projects build on all previously learned software, specifically the Adobe Creative Suite. Assignments will include aspects of fine art and large format printing along with issues relating to the professional printing industry.

AR-375  Illustration for Gaming  Credits: 3
Prerequisites: AR-114, AR-172, and AR-192.
Term Offered: All Terms
Course Type(s): None
Introduction and application of illustration as a means toward effective visual communication in the gaming and animation industry. Emphasis on the development of the creative visual concept and its relationship to style, media, technique, and methods of reproduction. Introduction to a variety of traditional and non-traditional techniques.

AR-381  Print: Intaglio/Relief  Credits: 3
Prerequisites: AR-191 and AR-192.
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of relief printing; linocut, woodcut, and etching; hard and soft ground, and aquatint. Six hours per week. Department chair approval is required for non-art majors.

AR-382  Print: Lithography and Silkscreening  Credits: 3
Prerequisites: AR-191 and AR-192.
Term Offered: All Terms
Course Type(s): None
Introduction to the printmaking techniques of aluminum plate lithography and Photo Silkscreen, with an emphasis on multiple color and combination Litho/Silkscreen hybrid prints. Six hours per week. Department Chair approval for non-art majors is required.

AR-383  Web Design/Interactive I  Credits: 3
Prerequisite: AR-253 or AR-374.
Term Offered: All Terms
Course Type(s): None
An introduction to web design and production. It covers an overview of the creation of Web sites and the use of Web graphics, animation, and multimedia through Web-based software programs. Fundamentals of graphic production, layout design principles, animation, navigation, and the engineering principles of multimedia are included.

AR-384  Web Design/Interactive II  Credits: 3
Prerequisite: AR-383.
Term Offered: All Terms
Course Type(s): None
An advanced class in web design and production. It extends the design principles of the previous web development class, Web Design: Static. Students will focus on interactive, dynamic web content using Macromedia FLASH and streaming audio/video files on the Internet.
AR-385 2D Animation  Credits: 3
Prerequisite: AR-374.
Term Offered: All Terms
Course Type(s): None
Students will be exposed to the fundamental terminology, concepts, and techniques of creating 2D animations to broaden their skills as animators and enhance their overall creative ability. Using pencil and paper in conjunction with computer based techniques, students will gain experience in the basic principles of animation including timing, expression of emotion, straight ahead action and pose to pose, key frames and in-betweens. In the assigned projects for this course, students are responsible for controlling and manipulating a subject's perceived volume, weight, proportion, and movement, thus gaining a more thorough understanding of the animation process.

AR-386 Principles of 3-D Animation  Credits: 3
Prerequisite: AR-172 or AR-181.
Term Offered: All Terms
Course Type(s): None
Students will learn the basic theories and principles of 3D computer animation and advances techniques of object building using Maya. Students will gain experience with basic animating, texturing, rendering, and constructing complex 3D objects in Maya.

AR-387 3-D Character Rigging and Animation  Credits: 3
Prerequisite: AR-386.
Term Offered: All Terms
Course Type(s): None
Students will learn advanced techniques of 3D computer animation along with the theories and principles of motion using Autodesk Maya. Students will rig a character and manipulate hierarchical character animation, time curves and motion paths. Students will animate walks and runs with characters. Students will utilize Maya's cameras and lights while gaining further experience with texturing and rendering techniques. Comprehensive critiques will be conducted regularly to encourage good design for time-based animation.

AR-388 Cooperative Education: Art or Graphic Design  Credits: 1-3
Prerequisite: AR-335 or AR-337.
Term Offered: All Terms
Course Type(s): EX
An on-site graphic design cooperative work placement. This course may be repeated once for credit.

AR-389 Art and Photography Internship  Credits: 1-3
Prerequisites: Junior status and permission of the instructor.
Term Offered: All Terms
Course Type(s): EX
An internship in Studio Art or Photography at an off-campus work site. The placement must enhance the student’s understanding of professional practice in studio art or photography. Students are required to complete from 5 to 15 hours per week, or 50 to 150 hours per semester, depending on the required credit hours of the degree program.

AR-390 Animation/Motion Graphics I  Credits: 3
Prerequisite: AR-181 or AR-374.
Term Offered: All Terms
Course Type(s): None
An introduction to the art of time-based, graphic storytelling. Emphasis will be placed on the creation of engaging digital environments through the thoughtful integration, manipulation and orchestration of audio, video, still and three-dimensional imagery.

AR-391 Animation/Motion Graphics II  Credits: 3
Prerequisite: AR-390.
Term Offered: All Terms
Course Type(s): None
Explores the commercial and experiential nature of motion graphics. Projects for this advanced course expand upon established time-based narrative structures for film, video and television. Emphasis is placed on a keen awareness of syntactic elements that constitute the grammar of motion (scale, position, color, and tempo), which sheds light upon how audiences interpret moving images. Study and application of literary theory provides a substantive framework from which to create and critique projects. Concept development through research, writing, storyboarding and editing are absolutely essential.

AR-392 3-D Animation Production  Credits: 3
Prerequisite: AR-387.
Term Offered: All Terms
Course Type(s): None
Concepts, tools and techniques employed in animated storytelling. Students will pre-visualize their projects through storyboarding, planning, and assembling shots in sequence. Students will learn how to combine sound with advanced 3D computer animation. Audio/visual synchronization as well as character lip syncing with phonemes will be explored. Students will construct complex 3D animated stories in Maya and complete a fully animated piece.

AR-393 3-D Environments and Effects  Credits: 3
Prerequisite: AR-392.
Term Offered: All Terms
Course Type(s): None
Concepts, tools, and techniques for creating realistic natural environments and phenomena (such as moving clouds, fire, and flowing water). Students will sculpt complex polygonal geometry into various terrains including landscapes and foliage. Students will learn to create realistic backgrounds incorporating natural light. Creating realistic shadows will be explored as well. Students will learn how to use particle emitters in order to simulate phenomena such as flowing water, flames, and snow.

AR-394 Special Topics in Art (300 Level)  Credits: 1-3
Prerequisite: As announced in the course schedule.
Course Type(s): None
An intensive study of a particular subject or problem in art to be announced prior to registration. The course may be conducted on either a lecture-discussion or a seminar basis.

AR-395 Independent Study in Art  Credits: 1-3
Course Type(s): None
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits.

AR-401 Senior Portfolio  Credits: 3
Term Offered: All Terms
Course Type(s): None
A seminar class that chronologically analyzes and refines graphic design and computer projects, which have been done throughout the student’s coursework. Meetings with instructor to discuss and critique reworked and new projects that have been specifically assigned.
AR-402 Photography Portfolio  Credits: 3
Prerequisite: AR-353.
Term Offered: All Terms
Course Type(s): None
Equal parts seminar and studio in its approach, this senior-level course incorporates discussions and readings focused on contemporary photo-based artworks and the theoretical and critical developments in recent photographic art practices. In addition, this course helps prepare students to enter the professional art world and/or graduate school. Students develop a cohesive portfolio of photographic imagery and create a strategy for the presentation of their work.

AR-403 Advanced Digital Imaging and Illustration  Credits: 3
Prerequisite: AR-253 or AR-374.
Term Offered: All Terms
Course Type(s): None
For student designers and fine artists with intermediate computer skills who are interested in more advanced concepts and creative techniques in digital illustration, photography, digital collage, printmaking and handmade techniques, digital book publishing, and large format printing. Programs to be explored are Adobe Photoshop and Painter.

AR-404 Responsive Media  Credits: 3
Prerequisite: CO-145 or AR-181.
Term Offered: All Terms
Course Type(s): CORTP, IM
Students learn how to make interfaces for smart phones and tablets to create interactive audio and video. In addition, students produce creative projects using data mapping, generative art and work collaboratively on a site-specific media project. Also listed as CO-404.

AR-406 Creative Book Arts  Credits: 3
Prerequisite: for Art majors, AR-381 or AR-382.
Term Offered: All Terms
Course Type(s): None
An introduction to bookbinding and papermaking. Traditional western-style papermaking and several non-adhesive binding structures will be covered. The student will produce a final bound book of sequential images (pages) in any media relevant to her/his discipline. The print lab will be available but not required. Department Chair permission for non-Art majors is required.

AR-408 Senior Year Experience: Client/Thesis  Credits: 3
Prerequisite: AR-371.
Corequisite: AR-383.
Term Offered: All Terms
Course Type(s): None
The first part of a two course, senior year capstone experience designed to provide students the opportunity to propose and research a thesis project, create entry-level, professional design work, and to work with clients all while under the direction of a faculty member. For BFA majors Graphic Design Majors only.

AR-409 Senior Year Experience: Thesis/Portfolio  Credits: 3
Prerequisite: AR-408.
Corequisite: AR-384.
Term Offered: All Terms
Course Type(s): None
The second part of a two course, senior year capstone experience designed to provide students the opportunity to complete a thesis project, work with clients under the direction of a faculty member, successfully mount their senior exhibition for AR-SHO credit, and to create an entry-level, professional design portfolio. For BFA Graphic Design Majors only.

AR-410 Advanced Project I  Credits: 1-3
Prerequisites: Junior status, permission of the department chair, a GPA of 3.00, a major GPA of 3.50, and the student must be an art or fine arts major.
Term Offered: All Terms
Course Type(s): None
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design, or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen-page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the first part of a two-semester class.

AR-411 Advanced Project 2  Credits: 1-3
Prerequisites: AR-410, a GPA of 3.00, a major GPA of 3.50, Junior status, EN-101 and EN-102 or permission of the instructor, and the student must be an Art or Fine Arts major and have permission of the department chair.
Term Offered: All Terms
Course Type(s): WT
Research, art making, and writing for Honors Project may be conducted for photography, painting, sculpture, printmaking, graphic design, Web design or motion graphics and is determined by a student's particular discipline and medium of choice. The art to be made is informed by the student's research and is articulated in full through a final eighteen-to twenty-page research paper. The topic of research may include but is not limited to identity, gender roles in culture, feminism, religion, the occult, consumerism, politics, cultural diversity, war, personal experience, Renaissance vs. contemporary art, Greek vs. contemporary sculpture, etc. Alternatively, the student may also conduct a thorough exploration of the characteristics of a particular medium. Art and Design faculty must approve the topic. This is the second part of a two-semester class.

AR-414 Group Project in 3D Animation  Credits: 3
Prerequisite: AR-394.
Term Offered: All Terms
Course Type(s): None
Students will learn how to work on a production team for a 3D project. Students will work in a team environment to brainstorm, communicate effectively, develop project goals, and delegate responsibilities. Students will learn how to meet deadlines both individually and collectively. Student groups are expected to produce a 3D animated piece with an estimated three-minute duration.

AR-415 Senior Animation Reel  Credits: 3
Prerequisite: AR-414.
Term Offered: All Terms
Course Type(s): None
Students will create a reel between two to three minutes in duration of their animation work from previous animation projects and new animation projects. Includes lecture, discussion, demonstration, critiques and individual meetings with students to support the development of students' work. Students will research self-promotional opportunities such as competitions and festivals. Students will revise their resume to respond to their career interests. Emphasis will be placed on the development of a personal point of view.
AR-460  Advanced Ceramics  
Prerequisite: AR-265.  
Term Offered: All Terms  
Course Type(s): None  
Focuses on advanced hand-building and/or wheel-throwing techniques in order to strengthen a student's personal expression and challenge development of his or her personal style. The course will have emphasis on individual instruction and discussions based on the student's interests. Individual research of innovative construction and firing methods, as well as ceramics technology and history of ceramic art will be part of the curriculum.

AR-488  Cooperative Education: Art or Graphic Design  
Prerequisite: AR-335 or AR-337.  
Term Offered: All Terms  
Course Type(s): EX2  
An on-site graphic design cooperative work placement. This course may be repeated for credit.

AR-489  Internship Art and Design  
Prerequisites: Junior standing and permission of the department.  
Term Offered: All Terms  
Course Type(s): EX1  
An internship in either graphic design or fine arts at an off-campus work site. The placement must enhance a student's working knowledge of his or her chosen field of study. Students are required to complete a minimum of ten hours per week for a total minimum of 150 hours.

AR-498  Special Topics in Art (400 Level)  
Prerequisite: As announced in the course schedule.  
Course Type(s): None  
An intensive study of a particular subject or problem in art to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

AR-499  Independent Study in Art  
Prerequisites: Senior standing and prior permission of the directing professor and department chair.  
Term Offered: All Terms  
Course Type(s): None  
Guided research - a studio project or art history topic. Weekly consultation. May be elected for a total of six credits.