

ART (ART)

Courses

ART 101 DIGITAL TOOLS AND CONCEPTS (3)

Introduction to digital tools, processes, issues, and concepts used by artists and designers working with digital media. Prerequisite: ART, ARTH, or ARED Major or Minor. Lab/Class fee will be assessed.

ART 102 2D PROCESS FOR NON-ART MAJORS (3)

Creative process through two-dimensional art theory and concepts. Studio application, lectures, research problems. Core: Creativity & Creative Development.

ART 103 2D PROCESS (3)

Creative process, elements, and principles of two-dimensional design and color theory through a variety of drawing processes. Prerequisite: major standing. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 104 3D PROCESS (3)

Elements and principles of three-dimensional design: form and space problems involving various tools, materials and techniques. Prerequisite: ART Major or Minor. Lab/Class fee will be assessed.

ART 106 DRAWING FOR NON-ART MAJORS (3)

Creative process through drawing. Studio application, lectures, demonstrations and research problems. Students who have successfully completed the honors version of this course (ART 146) will not receive additional credit for this course. Core: Creativity & Creative Development.

ART 107 CERAMICS FOR NON-ART MAJORS (3)

Creative process through studio application of ceramics. Lectures, demonstrations and research problems. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 109 SCULPTURE FOR NON-ART MAJORS (3)

Creative process through sculpture. Studio application, lectures, demonstrations and research problems. Core: Creativity and Creative Development. Lab/Class fee will be assessed.

ART 111 DRAWING AND THE APPRECIATION OF DRAWING (3)

Problems of expressive draftsmanship in a variety of media. Drawing from the costumed and nude figures, still life and landscape. Prerequisite: ART Major or Minor. Lab/Class fee will be assessed.

ART 113 PAINTING FOR NON-ART MAJORS (3)

Creative process through painting. Studio application, lectures, demonstrations and research problems. Core: Creativity & Creative Development.

ART 114 SCULPTURE: WOOD AND METAL FOR NON-ART MAJORS (3)

Creative Process utilizing woodworking and metalworking within sculpture. Through techniques and tools within the woodshop and metalshop students will design and fabricate sculpture through a process of hands on learning and practice. Core: Creativity & Creative Development. Lab/class fee will be assessed.

ART 117 PRINTMAKING FOR NON-ART MAJORS (3)

Creative process through printmaking. Core: Creativity & Creative Development or I.E. Lab/Class fee will be assessed.

ART 118 JEWELRY FOR NON-ART MAJORS (3)

Creative process through jewelry production. Lab/Class fee will be assessed. Core: Creativity & Creative Development.

ART 146 HONORS DRAWING FOR NON-ART MAJORS (3)

Creative process and communication through drawing. Studio application, lectures, demonstrations and research problems. Honors College course. Students who have successfully completed the non-honors version of this course will not receive additional credit for this course. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 147 SILKSCREEN PRINTMAKING FOR NON ART MAJORS (3)

Lecture, demonstration, and studio application of silkscreen techniques. Focuses on technical, formal, and conceptual concerns related to the silkscreen. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 156 ARTIST BOOKS FOR NON-ART MAJORS (3)

Lecture, demonstration and studio application of handmade artist bookmaking techniques. Focuses on technical, formal, and conceptual concerns related to historical and contemporary bookbinding, and the creation of artist books as a mode of creative expression. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 157 LETTERPRESS FOR NON-ART MAJORS (3)

The art of letterpress, typesetting, and relief printing on a hand-operated printing press. Core: Creativity & Creative Development. Lab/Class fee will be assessed.

ART 161 DIGITAL OBJECT DESIGN FOR NON-ART MAJORS (3)

Addresses the basics of construction in Rhinoceros 3D modeling software, and the fundamentals of 3D printing. The class will complete weekly exercises designed to build a fundamental 3D modeling skill set. Students will be challenged to respond to contemporary design forms and themes while developing their modeling skill sets. Core: Creativity/Creative Development. Lab/Class fee will be assessed.

ART 205 THE HUMAN FIGURE (3)

Exploration of the human figure using two- and three-dimensional techniques: emphasis on the representational image. Prerequisite: ART 211. Lab/Class fee will be assessed.

ART 211 DRAWING: OBSERVATION AND INVENTION (3)

Continued exploration of drawing, with an emphasis on observationally based drawing and ideational drawing. The interplay between these two modes will be explored. Prerequisites: ART 103 or ART 111; ART Major or Minor. Lab/Class fee will be assessed.

ART 212 VISUAL CONCEPTS (3)

Conceptual issues in contemporary art and design. Multidisciplinary exploration of concepts in artistic production; projects emphasizing the link between form and concept. Prerequisites: ART 101, ART 103, and ART 104. ART Major or Minor. Lab/Class fee will be assessed.

ART 217 IMAGEMAKING: DIGITAL PROCESS (3)

Utilizing digital tools for the process of image making. Prerequisites: ART 101 and ART 103 or consent of instructor. Lab/Class fee will be assessed.

ART 218 METALS + JEWELRY I (3)

Introduction to metalsmithing and jewelry through lecture, demonstration, and studio problems in the design / creation of three-dimensional objects: jewelry and small-scale functional objects. Methods of joining and forming metal and alternative materials. Prerequisites: ART 103 and ART 104. Lab/Class fee will be assessed.

ART 219 IMAGEMAKING: CONCEPT AND PRACTICE (3)

Utilizing imagemaking practice for the development of concept. Prerequisites: ART 217 (may be taken concurrently with department consent); major/minor standing. Lab/Class fee will be assessed.

ART 220 DESIGN: CREATIVITY + PROCESS (3)

Idea generation, process methodologies, and craft to take concepts from hand-drawn sketches to final graphic design outcomes. Prerequisites: ART 101 and ART 103, or permission of instructor. Lab/Class fee will be assessed.

ART 229 PAINTING I (3)

Fundamentals of painting through lecture, demonstration and studio experience. Emphasis on color theory and applications: still life and landscape. Prerequisite: completion of, or concurrent enrollment in, ART 211. Lab/class fee will be assessed.

ART 231 CERAMICS I (3)

Creative investigation of ceramic materials. Studio work, lectures and discussion on ceramic design, techniques and materials. Prerequisites: ART 103 and ART 104. Lab/Class fee will be assessed.

ART 232 CERAMIC SURFACE DECORATION (3)

An introduction to ceramic surface design using a variety of media, processes, and related aesthetic concerns. Prerequisite: ART 107 or ART 212 or ART 231.

ART 233 PHOTO IMAGING - DIGITAL WORKFLOW FOR NON-ART MAJORS (3)

Introduction to creative digital photographic workflow - the aesthetics, technology and history of photographic imaging - creative capture, archiving, optimizing, printing, presentation and exporting to the web. Requirements: digital camera [see recommendations], laptop computer [see min specs], Adobe Lightroom 2 software. Lab/Class fee will be assessed.

ART 234 PHOTO IMAGING - FILM (3)

Technical and aesthetic elements of the analog photographic process. A manually adjustable 35mm film camera is required. Prerequisite: ART 103. Lab/Class fee will be assessed.

ART 235 PHOTO IMAGING - CREATIVE WORKFLOW (3)

An introduction to digital photographic workflow using professional level capture devices. Focusing on the aesthetics, technology and history of photographic imaging as well as creative capture, file management, editing, printing, and presentation of work. Requirements: Digital camera with manual controls and ability to shoot in the Raw; external hard drive. Suggested: Laptop computer; Adobe Lightroom CC software. Prerequisite: ART 103. Lab/Class fee will be assessed.

ART 236 PHOTO IMAGING - LIGHT (3)

An investigation into the manipulation of natural and artificial light for use in photo imaging capture and production. A manually adjustable digital SLR camera is required. Prerequisite: ART 235. Lab/Class fee will be assessed.

ART 237 PHOTO IMAGING - ALTERNATIVE PROCESS (3)

An investigation of alternative methods of photo image making - both analog and digital - and the contemporary application of each technology. A manually adjustable film or digital SLR camera is required. Prerequisite: ART 234 or ART 235. Lab/Class fee will be assessed.

ART 238 PHOTO IMAGING - MOTION (3)

An investigation into the creation and exhibition of time-based arts. Included will be the exploration of video capture and editing, multi-media presentation and real-time image delivery. Prerequisite: ART 235 or by consent. Lab/Class fee will be assessed.

ART 241 SCULPTURE I (3)

Lecture and studio problems in the aesthetic and technical considerations of contemporary sculpture. Prerequisite: ART 104. Lab/Class fee will be assessed.

ART 242 SCULPTURE: CONCEPT AND PROCESS (3)

Students will develop their aesthetic and technical skill-sets within contemporary sculpture as they explore installation, soft sculpture and casting. Prerequisite: ART 104. Lab/class fee will be assessed.

ART 245 INTRODUCTION TO PRINTMAKING (3)

Basic intaglio and relief processes: collograph, dry point, linocut, and monoprinting, with an overview of other printmaking media. Prerequisite: Completion of, or concurrent enrollment in, ART 211. Lab/Class fee will be assessed.

ART 258 PHOTO IMAGING - DIGITAL I (3)

Digital photographic image capture, manipulation, and production. A manually adjustable digital SLR camera is required. Students who have successfully completed ART 359 will not receive additional credit for ART 258. Prerequisites: ART 217 or ART 220, and ART 235. Lab/Class fee will be assessed.

ART 307 MATERIALS: CONCEPT AND PROCESS (3)

Examination of the properties and characteristics of materials and methodology in the design and creation of objects through lecture, demonstration, and directed studio problems. Prerequisite: ART 218 [Jewelry I or Metals + Jewelry I] or ART 231. Lab/Class fee will be assessed.

ART 308 CERAMICS: THE RAKU PROCESS (3)

The utilization of specific clays, glazes, and firing techniques which relate to this both ancient, yet contemporary, ceramic process. Lab/Class fee will be assessed.

ART 309 CERAMICS II: UTILITARIAN POTTERY (3)

Studio experience in wheel throwing and hand building techniques with emphasis on utilitarian art forms. Lectures, discussion and demonstrations. Prerequisite: ART 231. Lab/Class fee will be assessed.

ART 311 WOOD: CONCEPT AND PROCESS (3)

Lecture and directed studio problems in the fabrication and lamination of wood. Prerequisite: ART 104. Lab/Class fee will be assessed.

ART 312 CERAMICS: SPECIAL PROCESS (3)

An exploration of a variety of techniques including lustres, low-fire glazes and underglazes, decals, Egyptian paste, mold making and slip casting. Prerequisite: ART 231 or written consent of instructor.

ART 313 ENAMELING: GLASS ON METAL (3)

Lecture, demonstration, and directed studio problems in vitreous enameling: application and firing methods, stenciling, sgraffito, painted enamels, champleve, basse-taille, and alternative approaches. Emphasis on image development and color theory. Prerequisites: ART 103 and ART 104. Lab/Class fee will be assessed.

ART 315 CASTING: MATERIALS AND PROCESS (3)

Directed studio problems in the casting process: traditional lost wax bronze casting, RTV mold making, casting new, alternative, and experimental materials. Prerequisite: ART 218. Lab/Class fee will be assessed.

ART 317 GRAPHIC DESIGN I (3)

Fundamentals of visual conceptualization, type and image integration, creative and innovative concept development. Prerequisites: ART 219 or ART 220; major standing. Lab/Class fee will be assessed.

ART 318 METALS + JEWELRY II (3)

Intermediate lecture, demonstration, directed studio problems in 2 dimensional surface development, hollow fabrication, and beginning stone setting. Prerequisite: ART 218. Lab/Class fee will be assessed.

ART 319 METALSMITHING (3)

Lecture, demonstration and directed studio problems in raising, forging, joining and finishing various metals with emphasis on design and creation of hollowware and flatware. The historic and aesthetic aspects of the media are considered. Prerequisite: ART 218/ART 318. Lab/Class fee will be assessed.

ART 322 ANIMATION: MOTION DESIGN (3)

Directed studio experience using a variety of digital programs emphasizing motion and elements of animation. Prerequisite: ART 217 or ART 220. Lab/Class fee will be assessed.

ART 323 PERCEPTUAL PAINTING (3)

Personal voice, ideas of perception, and skill development in observational painting. Prerequisite: ART 229.

ART 324 ABSTRACT PAINTING (3)

Exploration of a variety of models of abstraction, including hybrid abstraction/representation, through painting. Prerequisite: ART 229.

ART 325 PAINTING MEANING: EXPRESSION, NARRATIVE, AND PERSONAL CONTENT (3)

Exploration of how paintings hold meaning for artist and viewer. Finding subject matter, developing ideas, and painting from sources other than direct observation. Prerequisite: ART 229.

ART 327 SOCIAL DESIGN AND ENTREPRENEURSHIP (3)

Examination of the cross-disciplinary social design movement and conscious capitalism model. Students identify and design solutions to address social issues. Prerequisites: ART 101, ART 103, ART 104, ART 211, or ENTR 110; major standing.

ART 328 FIBERS: STRUCTURES II (3)

Basics of hand weaving on the loom. Aesthetic and historical aspects of the media. Prerequisite: ART 103 or consent of instructor. Lab/Class fee will be assessed.

ART 331 WATERCOLOR I (3)

Fundamentals explored through lecture, demonstration and studio experience: still life, landscape and the figure. Prerequisite: completion of, or concurrent enrollment in, ART 211. Class/lab fee will be assessed.

ART 334 PHOTO IMAGING - CONCEPTS I (3)

The aesthetic of black-and-white image-making using advanced analog and electronic imaging techniques. Prerequisites: ART 236, ART 238, and ART 258/ART 359. Lab/Class fee will be assessed.

ART 335 PHOTO IMAGING - CONCEPTS II (3)

The aesthetics of color image-making using advanced analog and electronic imaging techniques. Prerequisites: ART 236, ART 238, ART 258. Lab/Class fee will be assessed.

ART 338 PHOTO IMAGING - ADVANCED MOTION (3)

Continued investigation of social, political, and aesthetic use of time-based media in contemporary art. Advanced editing, sound and lighting techniques with an emphasis on conceptual process. Prerequisite: ART 238.

ART 339 METAL: CONCEPT & PROCESS (3)

Lecture and directed studio problems in metal fabrication and lost wax casting. Prerequisite: ART 104. Lab/Class fee will be assessed.

ART 340 MODELING: CONCEPT & PROCESS (3)

Lecture and directed studio problems in clay modeling emphasizing the human figure and moldmaking. Prerequisite: ART 104. Lab/Class fee will be assessed.

ART 342 CARVING: CONCEPT AND PROCESS (3)

Lecture and directed studio problems in stone, wood and other media. Prerequisite: ART 104. Lab/Class fee will be assessed.

ART 344 EXPERIMENTAL DRAWING AND PAINTING (3)

Experimental processes, materials, and forms in drawing and painting. Prerequisite: ART 229 or ART 372.

ART 345 NEW DIRECTIONS IN PRINT (3)

Utilizing technology to link printmaking to digital, photo, Xerox and hand-drawn images. Prerequisite: ART 217 or consent of instructor. Lab/Class fee will be assessed.

ART 346 NEW DIRECTIONS IN EXPERIMENTAL MEDIA I (3)

Development of skills and technical expertise in expanding 2-D work into 3-D, 4-D, digital and time-based. Emphasis on individual expression, uniqueness, and personal direction. Prerequisite: ART 323 or ART 324 or ART 325. Lab/Class fee will be assessed.

ART 347 SCREEN PROCESS I (3)

Multicolor projects include paper, stencil, drawing fluid, filler blackout, crayon resist, direct photo emulsion using water-based inks. Prerequisite: completion of, or concurrent enrollment in, ART 211. Class/lab fee will be assessed.

ART 348 ARTIST PRINT (3)

Development of advanced printmaking skills, personal expression, and research opportunities in printmaking. May be repeated for a maximum of 6 units. Lab/Class fee will be assessed. Prerequisites: two introductory courses in printmaking either 200 or 300 level.

ART 349 RELIEF PROCESS I (3)

Traditional and experimental techniques in printmaking: woodcut, collagraph, subtractive relief process using oil and water-based materials. Prerequisite: completion of, or concurrent enrollment in, ART 211, or consent of instructor. Class/lab fee will be assessed.

ART 350 ETCHING AND INTAGLIO PROCESSES (3)

Etching, engraving, aquatint, lift ground, wood intaglio, and beginning color printing. Prerequisite: completion of, or concurrent enrollment in, ART 211. Class/lab fee will be assessed.

ART 351 WRITING ABOUT ART (3)

Expository writing about the visual arts, including critiques, articles, press releases and other formats. Emphasis on effective writing with aesthetic insight. Requires grade of C or better to fulfill Core requirement. Prerequisites: ENGL 102 or ENGL 190 or equivalent; and (ARTH 221 or ARTH 222 or consent of instructor). Core: Advanced Writing Seminar.

ART 352 PAINTERLY PRINTMAKING (3)

Explores the traditional, contemporary, and experimental techniques of making unique prints which are called either monotypes or monoprints. Various techniques are demonstrated and prints are created with and without the use of a press. Prerequisite: ART 103. Lab/Class fee will be assessed.

ART 353 LITHOGRAPHIC PROCESS I (3)

Personal expression through printing from litho stones and plates. Prerequisite: completion of, or concurrent enrollment in, ART 211. Class/lab fee will be assessed.

ART 354 EXPLORATIONS IN LETTERPRESS (3)

Traditional and experimental techniques in letterpress: relief printing, typesetting with hand-set metal and wood type, linocut, pressure print. Prerequisites: ART 211 (may be taken concurrently), major standing, or consent of instructor.

ART 355 TYPOGRAPHY (3)

Theory, concepts, and aesthetics of type. Prerequisites: ART 219 or ART 220; major standing. Lab/Class fee will be assessed.

ART 356 ARTIST BOOKS (3)

Exploration of book making and the book as an art form. Individual projects highlighting aspects of artist books, discussion, and critiques. Prerequisite: ART 211. Lab/Class fee will be assessed.

ART 357 PHOTO IMAGING - FORMATS (3)

Field experience in photographic imaging technology. May be repeated for up to 6 units. Prerequisites: ART 236, ART 238, and ART 258/ART 359. Lab/class fee will be assessed.

ART 358 PHOTO IMAGING - DIGITAL II (3)

Advanced digital photographic image capture, manipulation, and production. A manually adjustable digital SLR camera is required. Not open to students who have successfully completed ART 459. Prerequisite: ART 258. Lab/Class fee will be assessed.

ART 360 DIGITAL ART: 2D (3)

Studio experience in producing two dimensional art images on the computer. Includes lecture, demonstration, and lab work. Not open to students who have successfully completed ART 460. Prerequisite: ART 217. Lab/Class fee will be assessed.

ART 361 DIGITAL OBJECT DESIGN (3)

Ideas and technologies for developing 3-D models. Lab/Class fee will be assessed.

ART 362 DIGITAL ART: 3D (3)

Studio experience in producing three dimensional art images on the computer. Not open to students who have successfully completed ART 460. Prerequisite: ART 217. Lab/Class fee will be assessed.

ART 363 DIGITAL ART: EXPERIMENTAL (3)

Focus on digital and electronic media theory through research, and studio practice. Emphasis on conceptual and experimental process. Prerequisites: ART 217 or ART 220; major/minor status. Lab/Class fee will be assessed.

ART 364 DIGITAL OBJECT DESIGN 2 (3)

Students learn intermediate skills in 3D digital tools and processes including Computer Aided Design (CAD), computer rendering, and a variety of digital fabrication technologies while observing and discussing the works of contemporary designers and craftspeople. This course builds on the skills learned in ART 361. Prerequisite: ART 361.

ART 365 DESIGN FOR THE WWW (3)

Authoring techniques as related to interactivity, information design and digital imaging. Prerequisites: ART 217 or ART 219 or ART 220; major/minor standing.

ART 369 DIGITAL FABRICATION IN CERAMICS (3)

Advanced studio in digital fabrication as it relates to the field of ceramics. Students will learn how to translate ideas to the virtual environment, construct them in CAD, and prepare them for ceramics process. Students will also examine the traditional forms of ceramic vessels and explore the potentials that digital fabrication brings to the vessel. Prerequisite: instructor consent required. Lab/Class fee will be assessed.

ART 370 SPECIAL TOPICS IN ART (3)

In-depth study of a selected area dependent upon faculty and student interest. May be repeated for a maximum of 6 units provided a different topic is covered. Prerequisite: 18 units of art courses. Lab/Class fee will be assessed.

ART 372 ADVANCED DRAWING I (3)

Continued studio experience in drawing for advanced students. Emphasis on independent problems and personal direction. Prerequisites: ART 211 and ART 229.

ART 373 ILLUSTRATION PRINCIPLES FOR DESIGNERS AND ILLUSTRATORS (3)

Drawing and painting techniques to develop technical assurance with emphasis on observation, composition and imagination. Prerequisites: ART 211 and either ART 219 or ART 220; major/minor standing; or consent of instructor. Lab/Class fee will be assessed.

ART 375 CHARACTER DESIGN (3)

Explores the fundamentals of effective character design, emphasizing idea development, shape language, structural integrity, and visual variety. Through lectures, demonstrations, and hands-on projects, students will create compelling characters that engage audiences across various media. The course examines character design's role in illustration, concept art, narrative storytelling, and beyond, drawing inspiration from professional art presentations, animated films, short films, and video games. Students will develop their own unique visual languages while exploring the diverse applications of character design in contemporary illustration. This course has been offered as a special topic; students who have earned credit for this course as a special topic will not receive additional credit for ART 375. Prerequisites: ART 373, major standing, or consent of instructor.

ART 377 EXHIBIT DESIGN (3)

Theory, concepts, planning, graphics, spatial aesthetics and model construction for various professional exhibits. Management, design and installation of art exhibits. Prerequisites: ART 103 or permission of instructor. Lab/Class fee will be assessed.

ART 380 INFORMATION, EXPERIENCE, INTERFACE: I (3)

Design informative, interactive systems utilizing universal design principles, equity-centered design, information architecture, and UX/UI theory. Prerequisites: ART 355 and ART 365.

ART 383 LETTERPRESS & BOOKBINDING (3)

The art of Letterpress, on a hand-operated printing press, and bookbinding. Prerequisites: ART 217 or ART 219 or ART 220; major standing. Lab/Class fee will be assessed.

ART 400 CERAMIC RAW MATERIALS (3)

Lecture and laboratory investigation of ceramic materials as they apply to glazes, clay slips and clay bodies. Tests and problems in ceramic raw materials. Prerequisites: ART 309, ART 310 or equivalent. Lab/Class fee will be assessed.

ART 402 LIFE DRAWING AND ANATOMY I (3)

The study of anatomical structure of the human figure for art students. Drawing from the nude and draped model. Prerequisite: ART 211. Lab/Class fee will be assessed.

ART 407 CERAMICS III: CLAY SCULPTURE (3)

Advanced studio experience utilizing a variety of ceramic techniques. Assigned problems in sculptural directions for students experienced in handbuilding and the potter's wheel. Prerequisite: ART 309 or consent of instructor. Lab/Class fee will be assessed.

ART 409 CERAMICS IV: VESSEL (3)

Studio experience utilizing a variety of ceramic techniques. Problems in utilization directions based on the vessel. Prerequisite: ART 407 or consent of instructor. Lab/Class fee will be assessed.

ART 410 ELECTROFORMING AND ENAMELING (3)

Lecture, demonstration, directed studio problems in the electroforming process, continued investigation of vitreous enameling: three-dimensional form, new, alternative, and experimental techniques. Prerequisite: ART 313 or consent of instructor. Lab/Class fee will be assessed.

ART 412 LIFE DRAWING AND ANATOMY II (3)

Continued study of anatomical structure of the human figure for art students. Emphasis on musculature. Drawing from the nude and draped model. Prerequisite: ART 402. Lab/Class fee will be assessed.

ART 414 ADVANCED STUDIO (2-3)

Independent work for advanced students in field of special interest. Prerequisites: must have exhausted other courses in particular field or written consent of instructor; student must make arrangements in advance of registration with instructor of choice.

ART 415 ADVANCED STUDIO (2-3)

Independent work for advanced students in field of special interest. Prerequisites: must have exhausted other courses in particular field or written consent of instructor. Student must make arrangements in advance of registration with instructor of choice.

ART 416 ADVANCED STUDIO (2-3)

Independent work for advanced students in field of special interest. Prerequisites: must have exhausted other courses in particular field or written consent of instructor. Student must make arrangements in advance of registration with instructor of choice.

ART 417 GRAPHIC DESIGN II (3)

Communication graphics synthesizing formal, conceptual and technical skills. Emphasis on creative concept development using type and image. Prerequisite: Must have completed Graphic Design screening. Lab/Class fee will be assessed.

ART 419 METALS + JEWELRY III (3)

Advanced lecture, demonstration, directed studio problems in hollow forming techniques including hydraulic die forming, hinge making, innovative design, and intermediate stone setting. Prerequisite: ART 318. Lab/Class fee will be assessed.

ART 420 ANIMATION STUDIO (3)

Studio-based exploration of artistic practice in the field of animation. The course will allow students to explore animation practice from preproduction, experimental process, development of sound design, and final execution of an animated short film or art installation. Students will work individually and in small groups to gain an understanding of professional practice from the model of an animation studio to the individual artist in the discipline of animation. Can be repeated for a maximum of 9 units. Prerequisite: ART 322.

ART 422 DESIGNING FOR PRODUCTION (3)

Experience designing and manufacturing multiples. Historical and contemporary object production and production methodologies. Various aspects of business, pricing, market analysis. Prerequisites: ART 318 and ART 319.

ART 431 WATERCOLOR II (3)

Intermediate studio experience: landscape, still life, figure and photographic imagery. Prerequisite: ART 331. Lab/Class fee will be assessed.

ART 435 PHOTO IMAGING - PORTFOLIO (3)

Advanced research into the aesthetic of Photo Imaging portfolio organization, construction and representation through the use of print and electronic imaging technology. May be repeated for up to 9 units. Prerequisites: ART 334 and ART 335 and ART 357. Lab/Class fee will be assessed.

ART 436 PERSONAL DIRECTION IN PAINTING (3)

Continued studio experience for advanced students with emphasis on personal direction. May be repeated for a maximum of 9 units. Prerequisites: ART 323, ART 324, or ART 325.

ART 438 HOLLOWWARE AND FORGING (3)

Advanced lecture, demonstration, and directed studio problems in hollowware and flatware focusing on raising, seaming, fabrication, and forging techniques for silver and non-ferrous metals. Prerequisite: ART 319. Lab/Class fee will be assessed.

ART 441 ADVANCED SCULPTURE I (3)

Lecture and directed studio problems in advanced sculpture media and concepts. Prerequisite: any 300-level sculpture course. Lab/Class fee will be assessed.

ART 443 ADVANCED SCULPTURE (3)

Continued lecture and directed studio problems in advanced sculptural media and concepts. Prerequisite: ART 441 or ART 414/ ART 415/ ART 416.

ART 445 INSTALLATION AND EXPERIMENTATION (3)

Lecture and directed studio problems: contemporary concepts and personal direction. May be repeated for a maximum of 6 units. Prerequisites: ART 241 or ART 242, or consent of instructor.

ART 447 SCREEN PROCESS II (3)

Advanced color projects using direct photo emulsion emphasizing integration of hand drawn images with photo and computer-generated images with non-toxic inks. Prerequisite: ART 347 or consent of instructor. Lab/Class fee will be assessed.

ART 449 RELIEF PROCESS II (3)

Traditional and experimental processes. Advanced color assignments using oil and water-based inks. Prerequisite: ART 349 or consent of instructor. Lab/Class fee will be assessed.

ART 450 INTAGLIO PROCESS II (3)

Multiple plate color and simultaneous color/intaglio/relief techniques and collagraph using experimental materials. Prerequisite: ART 350. Lab/Class fee will be assessed.

ART 453 LITHOGRAPHY PROCESS II (3)

Personal expression; advanced printing including stone-plate and photo plate. Multiple color printing. Prerequisite: ART 353.

ART 456 TYPOGRAPHY II (3)

Advanced research and exploration of type solutions. Prerequisite: ART 417. Lab/Class fee will be assessed.

ART 457 GRAPHIC DESIGN III (3)

Problems in graphic communication on the Macintosh, emphasizing individual portfolio development. Prerequisite: ART 417. Lab/Class fee will be assessed.

ART 461 DIGITAL OBJECT DESIGN 3 (3)

Intermediate course in in CAD and digital fabrication technologies. Students will continue to build their CAD skill set while addressing design challenges. This course focuses on measurement, documentation, and the incorporation of prefabricated components into CAD models. Can be repeated for a maximum of 9 units. Prerequisite: ART 364. Lab/Class fee will be assessed.

ART 462 DIGITAL ILLUSTRATION (3)

Studio experience in producing illustration on the computer. Prerequisites: ART 360 and ART 373. Lab/Class fee will be assessed.

ART 463 DIGITAL ART: ADVANCED (3)

Art processes in digital media. Emphasis on developing conceptual process and advanced practice. Prerequisites: ART 322 or ART 360 or ART 363; major/minor status. Lab/Class fee will be assessed.

ART 464 DIGITAL FABRICATION IN SCULPTURE (3)

Students will explore various solutions for the generation of large-scale forms and sculptural dialogue in digital fabrication technologies. Students will learn how to design for and operate a 3-axis CNC mill. Prerequisite: consent of instructor. Lab/Class fee will be assessed.

ART 465 GRAPHIC DESIGN: SOCIAL ISSUES (3)

Examination and production of graphic design as an agent of social and political expression. Prerequisites: ART 317 and ART 355. Lab/Class fee will be assessed.

ART 466 DESIGN FOR THE WWW II (3)

Advanced web authoring techniques and research as related to interactivity, information design, and web usability. Prerequisites: ART 365 and ART 355. Lab/Class fee will be assessed.

ART 471 PROGRAMMING FOR DESIGNERS (3)

Introduction to programming for design applications. Script language projects with a focus on current art and design concept and theory. Prerequisite: ART 365.

ART 472 PERSONAL DIRECTION IN DRAWING (3)

Continued studio experience in drawing for advanced students. Emphasis on conceptual approaches, independent problems, and personal direction. May be repeated for a maximum of 6 units but not in the same semester. Prerequisite: ART 372.

ART 473 ILLUSTRATION CONCEPTS FOR DESIGNERS AND ILLUSTRATORS (3)

Developing contextual understanding of imagery in design through problem solving skills and visual/verbal vocabulary. Prerequisite: ART 373. Lab/Class fee will be assessed.

ART 474 ADVANCED ILLUSTRATION (3)

Advanced studio experience utilizing a variety of contemporary and experimental media, emphasizing creative exploration and building a professional portfolio. Can be repeated for a maximum of 9 units. Prerequisite: ART 473. Lab/Class fee will be assessed.

ART 476 ANIMATION: 2D (3)

Exploration of animation techniques and processes including character / narrative development, 2D environments, and creative process. Lab application related to drawing, 2D digital animation, visual effects, stop motion animation, and interactive media. Prerequisite: ART 322.

ART 477 ANIMATION: 3D (3)

Exploration of advanced animation techniques and processes including character / narrative development, 3D environments, and creative processes. Lab application related to drawing / 3D modeling for animation, visual effects and interactive media. Prerequisites: ART 362; major in ART.

ART 478 ELEMENTS OF GAME DESIGN (3)

Exploration of game development and processes including terminology, history, genres/platforms, concept art, character development and illustration techniques. Lab application related to design, concept art, illustration, animation, and interactive media. Prerequisite: ART 362.

ART 483 PACKAGE DESIGN (3)

Designing packages with understanding of marketing, social, ethical and environmental impact. Prerequisites: ART 317 and ART 355 and junior/senior standing. Lab/Class fee will be assessed.

ART 490 INTERNSHIP IN ART (2-3)

A non-paid work experience with cooperating businesses and organizations. A daily log and 100 hours of participation are required. Graded S/U. Prerequisite: consent of instructor.

ART 491 INTERNSHIP IN ART (2-3)

A non-paid work experience with cooperating businesses and organizations. A daily log and 100 hours of participation are required. Graded S/U. Prerequisite: consent of instructor.

ART 492 INTERNSHIP IN ART (2-3)

A non-paid work experience with cooperating businesses and organizations. A daily log and 100 hours of participation are required. Graded S/U. Prerequisite: consent of instructor.

ART 494 TRAVEL AND STUDY ABROAD (3-6)

Countries and topics to be selected by the department and instructors sponsoring the program. For information, contact the Department of Art early in the semester preceding the semester of travel study. Prerequisites: consent of instructor and interview.

ART 496 GRAPHIC DESIGN: PORTFOLIO (3)

Directed studio. Critiques and professional development culminating in a presentation / portfolio. Prerequisites: ART 456 & ART 457, senior standing; consent of instructor. Lab/Class fee will be assessed.

ART 497 SENIOR PROJECT (3)

Directed studio. Critiques culminating in a presentation/portfolio. Prerequisite: consent of instructor. Lab/Class fee will be assessed.

ART 498 BFA PROJECT (3)

Directed studio for BFA students. Critiques culminating in presentation of work. Prerequisites: consent of instructor. Lab/Class fee will be assessed.

ART 499 HONORS THESIS IN ART (4)

Honors in studio art. An exhibition of work resulting from Independent Study and Honors studio courses, accompanied by a supporting paper defining the philosophy and purpose of the project, under the direction of a thesis adviser. Prerequisite: approval of adviser and admittance to department Honors Program.