

**ARCD 202. Architectural Design Studio II.** 6 credits.

Design studio building on the fundamentals of ARCD 200. Projects will address both three-dimensional design of spaces and the objects within the spaces. Projects will include questions of ritual, ergonomics, material properties, mechanism and prototypes. Introduction of workshop, digital graphics and photography incorporated in studio work, with an emphasis on fabrication and constructed full-scale objects. *Prerequisite: ARCD 200.*

**ARCD 208. Portfolio Review.** 0 credits.

Portfolio review required to enroll in architectural design courses at 300 level and above. *Prerequisite: ARCD 200. Corequisite: ARCD 202.*

**ARCD/INDU 220. CAD: 3D Modeling.** 3 credits.

This course will introduce students to principles used in 3D Cad and BIM modeling. Technologies to draw three dimensionally on the computer will be considered as a discipline within itself, and students will be instructed to use the machine for design exploration. Various software packages will be utilized during the semester.

**ARCD 300. Architectural Design Studio III.** 6 credits.

Intermediate design studio building upon skills of ARCD 200-202 sequence. Projects will be of greater complexity, scope and technical requirement. Design studies will incorporate drawing, diagramming, models, digital studies and writing. Legal, industry and engineering requirements will be integrated into the learned poetics of design. *Prerequisite: ARCD 208.*

**ARCD 302. Architectural Design Studio IV.** 6 credits.

Intermediate design studio building upon skills of ARCD 300. Projects will be an extension of ARCD 300 but with greater complexity, scope and technical requirements. Design studies will incorporate drawing, diagramming, models, digital studies and writing. Legal, industry and engineering requirements will be integrated into the learned poetics of design. *Prerequisite: ARCD 300.*

**ARCD 330. Materials and Methods I.** 3 credits.

A lecture course introducing components and materials used in construction and building systems. *Prerequisite: ARCD 208.*

**ARCD 332. Materials and Methods II.** 3 credits.

The second lecture class in a required sequence focused on building systems and materials. Topics introduced in ARCD 330 are studied in greater depth with an emphasis on understanding the interrelationships among elements found in a complete construction documents package. *Prerequisite: ARCD 330.*

**ARCD 390. Independent Studies in Architectural Design.** 1-3 credits.

Independent activity at the intermediate level, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with the consent of the instructor.

**ARCD 392. Topics in Architectural Design.** 3 credits. *Offering varies.*

Study of selected topics in architectural design at the intermediate level. May be repeated when course content changes. See MyMadison for current topics. *Prerequisite: ARCD 208.*

**ARCD 400. Architectural Design Studio V.** 6 credits.

An upper-level design studio building upon the design rigor and technical craft acquired in the ARCD 300-302 sequence. Expansion of the design role into collaborative teams, interdisciplinary teams, actual clients, service projects and competition projects. *Prerequisite: ARCD 302.*

**ARCD 402. Architectural Design Studio VI.** 6 credits.

Final upper-level architectural design studio culminating in a thesis project. Complete student initiative across every phase of the project. *Prerequisite: ARCD 400.*

**ARCD 440. Professional Design Practices.** 3 credits.

Procedures and practices in the architectural design profession. *Prerequisite: ARCD 302 or permission of the instructor.*

**ARCD 470. Contemporary Design Theory.** 3 credits.

Seminar format class which explores influential ideas in contemporary design, including critical regionalism, postmodernism, minimalism, the neo-avant-garde, green design, Marxism and post-structuralism. *Prerequisite: ARCD 208 and ARTH 206.*

**ARCD 490. Independent Studies Architectural Design.** 1-3 credits,

repeatable. *Offering varies.*  
Independent activity, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with consent of the instructor.

**ARCD 491. Studio Assistant.** 1-3 credits, repeatable. *Offering varies.*

An on-campus program monitored on an individual basis designed to provide practical studio experience in the visual arts. Students will learn safe studio practices and management skills, including material use, inventory control and the proper operation of equipment found within various individual classroom studios. *Prerequisite: Permission of the instructor.*

**ARCD 492. Topics in Architectural Design.** 3 credits. *Offering varies.*

Study of selected topics in architectural design at the advanced level. May be repeated when course content changes. See MyMadison for current topics. *Prerequisite: ARCD 208.*

**ARCD 496. Internship.** 0 credits.

An off-campus program prepared and monitored on an individual basis. Internships are designed to provide practical experience in professional design settings. *Prerequisite: Permission of the instructor.*

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## Art

All ART courses, with the exception of ART 200, are restricted to declared art, art history, graphic design and architectural design majors during the fall and spring semesters. During May and summer sessions, ART courses are open to all students who meet the additional stated course prerequisites. Non-majors wishing to enroll in an ART course during fall and spring semesters may request the permission of the instructor.

**ART 102. Two-Dimensional Design (0, 6).** 3 credits.

Application and appreciation of the principles and elements of design, with emphasis on line, form, color and texture as applied to two-dimensional space.

**ART 104. Drawing I (0, 6).** 3 credits.

An introductory course composed of problems in landscape, perspective, figure and still-life in several media.

**ART 106. Three-Dimensional Design (0, 6).** 3 credits.

A course exploring the basic problems in three-dimensional design.

**ART 108. Drawing II (0, 6).** 3 credits.

A continuation of ART 104 involving more complex problems with emphasis on composition and expressive possibilities of a variety of media including ink, pencil, conte, charcoal and experimental materials. *Prerequisite: ART 104.*

**ART 200. Art in General Culture.** 3 credits. *Offered fall and spring.*

An exploratory course that aims to develop a non-technical, general cultural understanding of the space arts, such as architecture, painting, sculpture and industrial design. Emphasis is on the contemporary. May be used for general education credit.

**ART 205. Foundations Seminar.** 3 credits.

A required course for studio art majors focused on the exploration and exchange of ideas related to embarking on a studio art career. Contemporary issues and responsibilities faced by emerging artists are emphasized. Students will investigate various visual art disciplines offered by JMU, write an artist's statement, and construct a website and digital portfolio. *Corequisites: ART 102 and ART 104.*

**ART 220. Introductory Ceramics: Potter's Wheel (0, 9).** 3 credits.

Explores the aesthetics, conceptualization and design of functional objects. Investigates tactility and the process of realizing form and the effective use of the wheel as a creative tool. Introduces historic and contemporary approaches, firing techniques and glaze application. *Prerequisites: ART 102, ART 104 and ART 106.*

**ART 222. Introductory Ceramics: Handbuilding (0, 9).** 3 credits.

Forming techniques will be explored for both vessel and sculptural work. Addresses construction concerns such as timing, structure and mass. Conceptual issues of hand-formation and ceramic sculpture discussed. Introduces historic and contemporary approaches, firing techniques and glaze application. *Prerequisites: ART 102, ART 104 and ART 106.*

**ART 230. Introduction to Fiber Processes (0, 9).** 3 credits.

Introduction to and practice in basic weaving and other fiber arts. Emphasis will be placed on floor loom weaving and surface design on the fabric. *Prerequisites: ART 102 and ART 104.*

**ART 240. Metal and Jewelry (0, 9).** 3 credits.

An introduction to designing and executing jewelry and related objects through various fabrication and finishing techniques, and the exploration of metal as a medium of personal aesthetic expression. *Prerequisites: ART 102 and ART 104.*

**ART 252. Introductory Painting (0, 9).** 3 credits.

Introduction to basic materials and techniques in oil or acrylic painting.

This class extends previous practice with design and drawing through introductory experiences in painting. *Prerequisites: ART 102 and ART 104.*

**ART 260. Introductory Photography: Black and White (0, 9).** 3 credits.

A creative approach to photography with emphasis on understanding materials and techniques. (Students must provide a fully manual 35mm camera and a light meter which may be built into the camera or separate.) *Prerequisites: ART 102 and ART 104.*

**ART 270. Printmaking: Screenprint (0, 9).** 3 credits.

An introduction to the history and techniques of screenprinting. Lectures, demonstrations and projects will involve photographic and nonphotographic stencils, related digital processes and color registration. *Prerequisites: ART 102 and ART 104.*

**ART 272. Printmaking: Relief, Intaglio and Monotype (0, 9).** 3 credits.

An introduction to the history and techniques of relief, intaglio and monotype printing. Lectures, demonstrations and projects will involve oil based and water soluble inks, linocut, woodcut, wood engraving, collagraph, drypoint, engraving, line etching, aquatint, softground, color registration and related photographic processes. *Prerequisites: ART 102 and ART 104.*

**ART 274. Printmaking: Lithography (0, 9).** 3 credits.

An introduction to the history and techniques of lithography printing. Lectures, demonstrations and projects will involve stone and plate lithography, color registration and related photographic processes. *Prerequisites: ART 102 and ART 104.*

**ART 276. Introductory Book Arts: Materials and Structures.** 3 credits.

This course offers students an opportunity to engage in the techniques, structures, tools, and materials used in creating artists' books. A broad range of studio practice will be explored as they examine the relationship of verbal, visual, and structural content in books. Students will complete group and individual projects. *Prerequisites: ART 102 and ART 104.*

**ART 280. Sculpture (0, 9).** 3 credits.

Problems in three-dimensional form using traditional and modern techniques. Processes of modeling in clay, mold making, casting, carving in wood and stone and welded metal sculpture are explored. *Prerequisite: ART 106.*

**ART 304. Methods of Art Criticism.** 3 credits.

The practical analysis and interpretation of works of art through oral and written forms. Emphasis is on the practice of art criticism in public settings such as the school classroom, art museum and college art studio.

**ART/PHIL 305. Seminar in Aesthetics.** 3 credits.

Readings and discussions in the persistent philosophical problems of the arts centering on consideration of the work of art, the artist and the audience. *Prerequisite: ART 200, ARTH 205, ARTH 206 or PHIL 101.*

**ART 320. Intermediate Ceramics: Molds & Casting (0, 9).** 3 credits.

Mold-making systems and processes for ceramic slip casting and press molding. Conceptual issues of multiples, reproductions and material transformation discussed. Also suitable for students wanting to utilize molds with other materials in their artistic production. *Prerequisite: ART 220 or ART 222.*

**ART 322. Intermediate Ceramics: Surface Development (0, 9).** 3 credits.

Research and experimentation with ceramic materials and finishes, glaze formulation, and application for finishing ceramic artwork. Forming processes may include any combination of the potter's wheel, handbuilding and mold making. *Prerequisite: ART 220 or ART 222 or by permission.*

**ART 330. Intermediate Fiber Processes (0, 9).** 3 credits.

Introduction to surface design techniques such as painting and printing on fabric. Further work may be in this area (in which case no prerequisites apply) or in weaving or other fiber techniques. *Prerequisite: ART 230 or permission of the instructor.*

**ART 340. Intermediate Metal and Jewelry (0, 9).** 3 credits, repeatable.

An intermediate course offering further exploration of metal as a medium of personal aesthetic expression as well as more advanced technical experience and experimentation. *Prerequisite: ART 240.*

**ART 350. Figure Drawing (0, 9).** 3 credits.

An introductory course with problems stressing the fundamental skills, approaches and concepts involved in drawing the human figure. *Prerequisites: ART 104 and ART 108.*

**ART 352. Intermediate Painting.** 3 credits.

Intermediate experiences in materials and techniques in oil, acrylic and non-traditional painting media. This class extends previous experiences

introduced in ART 252, with a focus on developing a more personal iconography and content. A variety of materials, techniques, surfaces, and philosophies of working are discussed in lecture, demonstration, and in both individual and group critique. *Prerequisite: ART 252.*

**ART 354. Watercolor (0, 9).** 3 credits.

Study of and practice in transparent and opaque watercolor techniques. *Prerequisites: ART 102 and ART 104.*

**ART 360. Intermediate Photography: Digital (0, 9).** 3 credits.

An intensive exploration of digital photography with an introduction to digital camera techniques, combinations of traditional and digital photographic methods, image manipulation and modes of output. *Prerequisite: ART 260.*

**ART 362. Intermediate Photography: Experimental Black and White (0, 9).** 3 credits.

Intensive exploration of advanced black and white photography using alternative cameras, pinhole, a variety of film speeds and papers and sequential concepts. *Prerequisite: ART 260.*

**ART 364. Intermediate Photography: Large Format (0, 9).** 3 credits.

An exploration of medium format and view camera techniques, film exposure and advanced black and white printing. *Prerequisite: ART 260.*

**ART/GRPH 375. Letterpress.** 3 credits.

This studio course offers students an opportunity to engage in the process and product of letterpress printing through various techniques and conceptual approaches. Instruction focuses on text and image relationships by integrating metal and wood type, and other type-high surfaces. Emphasis will be placed on the acquisition of skills and vocabulary and the creative use of type and image. The course will address the history of letterpress and its contribution to contemporary art and design. *Prerequisite: ART 276; Also for GRPH credit: GRPH 208.*

**ART/GRPH 376. Intermediate Book Arts: Concept, Content, Form.** 3 credits.

This course challenges the student to develop a limited edition hand-made artists' book. The appropriate format for each individual's concepts are identified, adapted, customized, applied, and produced. Content development, book design, integration of various media, and the functionality of various bookmaking materials are explored. We will consider the artists' book as a sculptural form and locate it within the broader context of contemporary writing and visual art. *Prerequisites: ART 276; ENG 391, ENG 392 or ENG 393. For GRPH credit: GRPH 306.*

**ART 380. Intermediate Sculpture (0, 9).** 3 credits.

A study in casting techniques for sculpture using the lost wax process. Foundry operations, cold cast methods, ceramic shell and fiberglass are also explored. *Prerequisite: ART 280.*

**ART 390. Independent Studies in Art.** 1-3 credits.

Independent activity at the intermediate level, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with the consent of the instructor.

**ART 392. Topics in Art.** 3 credits.

Study of selected topics in art at the intermediate level. May be repeated when course content changes. See MyMadison for current topics.

**ART 420. Advanced Ceramics: Portfolio Development (0, 9).** 1-3 credits, repeatable.

Self-directed, focused course of study with supervision of the instructor. This course is the culmination of ceramic study, resulting in a body of work suitable for exhibition and that is representative of the student's research and development. *Prerequisites: ART 320 and ART 322 or permission.*

**ART 430. Advanced Fiber Processes (0, 9).** 1-3 credits, repeatable.

A series of fiber projects selected by the student with the approval of the instructor. *Prerequisite: ART 330.*

**ART 440. Advanced Metal and Jewelry (0, 9).** 1-3 credits, repeatable.

A series of metal arts projects selected by the student with the approval of the instructor. *Prerequisite: ART 340.*

**ART 450. Advanced Figure Drawing.** 1-3 credits, repeatable.

An advanced drawing course stressing inventive and in-depth approaches to portraying the human figure. *Prerequisite: ART 350.*

**ART 452. Advanced Painting (0, 9).** 1-3 credits, repeatable.

Advanced experiences in media selected by the student with the advice of the instructor. *Prerequisite: ART 352.*

**ART 454. Advanced Watercolor (0, 9).** 1-3 credits, repeatable.  
Advanced problems in the use of watercolor and related water-based media. *Prerequisite:* ART 354.

**ART 460. Advanced Photography: Alternative Processes (0, 9).** 3 credits.  
Advanced study in photography focusing on alternative processes and experimental approaches including non-silver 19th century techniques, Polaroid and liquid emulsion among others. *Prerequisite:* ART 360, ART 362 or ART 364.

**ART 462. Advanced Photography: The Prehistory of Photography, Magic and Illusion.** 3 credits.  
An exploration of the culture and trends leading to the invention of photography, facilitating the formation of concepts and objects which create wonder. *Prerequisite:* ART 360, ART 362 or ART 364.

**ART 464. Advanced Photography: The Photograph as Document.** 3 credits.  
An exploration of technical, conceptual, and theoretical approaches to making documentary-based photographic work using film, digital or video cameras. *Prerequisite:* ART 360, ART 362 or ART 364.

**ART 466. Advanced Photography: Performance for the Lens.** 3 credits.  
An exploration of technical, conceptual, and theoretical approaches to making, staging, and directing performance-based photographic work using film, digital or video cameras. *Prerequisite:* ART 360, ART 362 or ART 364.

**ART 468. Advanced Photography: Screen-Based Photo/Video.** 3 credits.  
An exploration of technical, conceptual, and theoretical approaches to making screen-based photographic projects culminating in a fully developed online presentation. *Prerequisite:* ART 362.

**ART 469. Photography: Portfolio Development (0, 9).** 1-3 credits, repeatable.  
An intensive exploration in photography focusing on a theme or process that results in a cohesive body of work from a self-directed project and a written artist's statement. *Prerequisite:* ART 360, ART 362 or ART 364.

**ART 470. Advanced Printmaking (0, 9).** 1-3 credits, repeatable.  
Advanced projects in printmaking to be determined by the student and instructor. *Prerequisite:* ART 270, ART 272 or ART 274 as appropriate.

**ART 480. Advanced Sculpture (0, 9).** 1-3 credits, repeatable.  
Advanced study in sculpture focusing on projects chosen by the student in consultation with the instructor from an array of materials and processes used in contemporary sculpture. *Prerequisite:* ART 380.

**ART 490. Independent Studies in Art.** 1-3 credits, repeatable.  
Independent activity, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with consent of the instructor.

**ART 491. Studio Assistant.** 1-3 credits, repeatable.  
An on-campus program monitored on an individual basis designed to provide practical studio experience in the visual arts. Students will learn safe studio practices and management skills, including material use, inventory control and the proper operation of equipment found within various individual classroom studios. *Prerequisite:* Permission of the instructor.

**ART 492. Topics in Art.** 3 credits. *Offering varies.*  
Study of selected topics in art, art history, graphic design or interior design at the advanced level. May be repeated when course content changes. See MyMadison for current topics.

**ART 493. Contemporary Art Theory.** 3 credits.  
This is a reading, research and discussion seminar designed for upper level undergraduate and first-year graduate level studio art majors addressing historic and contemporary issues surrounding vision, the senses and aesthetics in the theory and practice of art.

**ART 494. The Open Studio: An Interdisciplinary Approach to Creative Arts.** 3 credits.  
Introduction to the interdisciplinary studio through discussion of the history of interdisciplinary art and exposure to contemporary examples from dance, theatre, music, creative writing, visual art, film and video. Emphasis on production of original work that evidences the use of another media or collaborative work by artists from different disciplines. *Prerequisites:* Permission of the instructor (s) and advanced skill level in one or more of the creative arts.

**ART 495. Capstone Seminar: Three-Dimensional Art.** 3 credits.  
A team-taught, intensive seminar for B.F.A. in studio art seniors with concentrations in metals/jewelry, ceramics, fibers or sculpture, or with an emphasis in integrated 3D. Capstone seminar is designed to be a transition into professional life, to help students organize and prepare themselves for graduation and to provide opportunities to work with faculty on professional concerns beyond the studio. *Corequisite:* ART 497.

**ART 496. Internship in Art.** 1-8 credits.  
A program prepared and monitored on an individual basis. Internships are designed to provide practical experience in the arts. *Prerequisites:* Permission of the instructor and ARTH 394 if in museums and galleries.

**ART 497. Capstone Studio: Three-Dimensional Art.** 3 credits.  
An intensive studio for B.F.A. in studio art seniors with concentrations in metals/jewelry, ceramics, fibers or sculpture, or with an emphasis in integrated 3D. Working closely with their concentration adviser, students refine their artistic voice, build their portfolio and develop their senior thesis presentation. The course culminates in a professional-quality body of work ready for exhibition. *Corequisite:* ART 495.

**ART 499. Honors.** 6 credits total for three semesters (1, 3, 2).

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## Art Education

**ARED 300. Art Activities in the Elementary School (1, 4).** 3 credits.  
A study of the aims and philosophy of art education in elementary school with an emphasis on child growth and development through art. Experience with art techniques and materials suitable from nursery school through grade eight with emphasis on appropriate motivational and teaching methods. Includes intensive field experiences for elementary grade levels. *Prerequisites:* PSYC 160 and EDUC 300.

**ARED 302. Secondary Art Education Methods.** 3 credits.  
The study of art education methods, philosophy and contemporary practices as related to the middle and senior high school in public education. Includes class presentations, observation and practicum in the secondary grades. *Prerequisites:* PSYC 160 and EDUC 300.

**Independent Studies in Art Education.** 1-3 credits.  
Independent activity at the intermediate level, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with the consent of the instructor.

**ARED 392. Topics in Art Education.** 3 credits.  
Study of selected topics in art education at the intermediate level. May be repeated when course content changes. See MyMadison for current topics.

**ARED 400. Visual Arts Across the Curriculum (1, 4).** 3 credits.  
Explores ways in which the art teacher can promote relationships between art and other subjects within the public school curriculum. Emphasis will be placed on how art experiences can be used to teach skills and concepts associated with other subjects. Includes a range of intensive field experiences at the middle grade level. *Prerequisites:* PSYC 160 and EDUC 300.

**ARED 480. Student Teaching.** 8 credits.  
Enables students to apply, in the public school classrooms and the comprehensive child development programs, those skills and attitudes acquired in all components of teacher education. Under the guidance of university supervisors, students are provided activities designed to familiarize them with the classroom teacher's role. *Prerequisite:* PSYC 160 and EDUC 300, the appropriate methods courses, and permission of the coordinator of field experiences.

**ARED 490. Independent Studies in Art Education.** 1-3 credits, repeatable.  
Independent activity, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with consent of the instructor.

**ARED 491. Studio Assistant.** 1-3 credits, repeatable.  
An on-campus program monitored on an individual basis designed to provide practical studio experience in the visual arts. Students will learn safe studio practices and management skills, including material use, inventory control, and the proper operation of equipment found within various individual classroom studios. *Prerequisite:* Permission of the instructor.

**ARED 496. Internship in Art Education.** 1-8 credits.  
A program prepared and monitored on an individual basis. Internships are designed to provide practical experience in the arts. *Prerequisites:* Permission of the instructor and ARTH 394 if in museums and galleries.