Department of Visual Art

Welcome to Visual Art

The Department of Visual Art (http://art.ku.edu) at KU functions as a creative laboratory where students, mentored by a faculty of internationally recognized artists, explore a broad range of media and disciplines.

Housed in a major university, the department encourages the development of a unique artistic voice through critical inquiry and research. Students have the additional opportunity to pursue interdisciplinary and collaborative work across the School of the Arts, as well as the University at large. The University of Kansas is the school of choice for ambitious art students throughout the region. The Department of Visual Art provides students with the technical skill and cultural awareness essential to the careers of professional artists, scholars, teachers or administrators. Seminars on specialized topics, a strong visiting artist schedule, trips to major cities, and study abroad possibilities all enrich students studying Visual Art at the University of Kansas.

The University of Kansas is a member of the National Association of Schools of Art and Design (http://nasad.arts-accredit.org). The entrance and graduation requirements in this catalog conform to the published guidelines of those organizations.

Facilities

Visual Art students have access to excellent facilities and close mentoring from the Visual Art faculty. Coursework includes practice, discussion and critiques with faculty, advisors, and visiting artists. Cross discipline investigations are strongly encouraged and many courses are team-taught. Exhibition and installation spaces are readily available throughout the community of Lawrence. Kansas City with its rich history in the visual arts is just a short drive away.

Chalmers Hall, a 130,000 square foot mega structure, houses a full range of studio facilities including THE COMMON SHOP (http://art.ku.edu/common-shop) — a fabrication shop with two full time technical assistants ready to assist students. The well-equipped SCULPTURE FACILITIES (http://art.ku.edu/sculpture-facilities-and-equipment) include a foundry, metalshop, and woodworking studio. The EXPANDED MEDIA FACILITIES (http://art.ku.edu/expanded-media-facilities-and-equipment) include digital imaging facilities as well as sound and projection equipment, upgraded annually as those technologies evolve. The PRINTMAKING FACILITIES (http://art.ku.edu/printmaking-facilities-and-equipment) include space for intaglio, lithography, and serigraphy studios, as well as large format presses and equipment for papermaking and book arts. The CERAMICS FACILITIES (http://art.ku.edu/ceramics-facilities) include gas and electric kilns, and a separate complex for wood-fired kilns. The METALSMITHING/JEWELRY FACILITIES (http://art.ku.edu/metsmithing-jewelry-facilities-and-equipment) offer casting, soldering, enameling equipment, a digital mill, and a 3-D printer. The TEXTILES/FIBERS FACILITIES (http://art.ku.edu/textiles-fibers-facilities-and-equipment) include floor looms, printing and dyeing labs, multiple sewing machines, and a computer lab. The PAINTING FACILITIES (http://art.ku.edu/painting-drawing-facilities-and-equipment) include three enormous group studios equipped with easels. The Department of Visual Art places great emphasis on drawing and maintains four large drawing studios. The department also offers individual workspace for upper level majors. The ART & DESIGN Facilities

GALLERY (http://art.ku.edu/art-design-gallery) presents student, faculty, visiting artist and thematic exhibitions.

Highly Qualified Faculty Scholars and Artists

The faculty of the Department of Visual Art is comprised of internationally recognized artists and scholars with interests that span a broad range of media and disciplines. Dedicated to educating the next generation of artists, award-winning teachers prioritize mentorship, offering students individual attention and small class sizes.

Most courses in Visual Art are studio, practice-based courses. Studio classes are typically capped at 15-20 students. All areas have classes that are open to non-majors. Three-credit courses normally meet in class for six hours weekly for 15 weeks of fall and spring semester; another nine hours of work is expected outside class. Studio areas are open and accessible.

Undergraduate Programs

Undergraduate Degrees

The department offers undergraduate degree programs leading to a Bachelor of Arts in Visual Art, a Bachelor of Fine Arts in Visual Art, a Bachelor of Fine Arts in History of Art, a Bachelor of Art Education, and a Visual Art minor.

All our degrees allow students to design an academic experience tailored to their interests and goals. By choosing and combining courses from across a variety of studio areas, students direct their own educational path. The degree provides an immersive academic experience in which students master the fundamentals of the form. Through advanced coursework, students explore the nuances of artistic avenues that best complement their professional and creative goals. The degrees prepare students for careers as teachers or administrators in a variety of settings including public schools, arts agencies, art museums, community centers and other venues.

Visual Art (http://art.ku.edu/bfa-visual-art-1) (Drawing, Painting, Expanded Media, Sculpture, and Printmaking)
Ceramics (http://art.ku.edu/bfa-ceramics)
Metalsmithing / Jewelry (http://art.ku.edu/bfa-metalsmithingjewelry)
Textiles / Fibers (http://art.ku.edu/bfa-textilesfibers)
Combined Art History / Visual Art (http://art.ku.edu/bfa-art-historyvisual-art)
Visual Art Education (http://art.ku.edu/dae-visual-art-education)
Visual Art Minor

Advanced Placement in Art and Design

Students who score 3, 4, or 5 on the CEEB Advanced Placement Examination may receive up to 3 credit hours in art studio electives. Advanced placement credit does not exempt students from foundations requirements.

Advising

Students admitted to work toward B.F.A., B.A., or B.A.E. degrees are advised by the academic advisor in Visual Art in combination with faculty members in their chosen concentration. Check sheets describing each program in complete detail are available from the Visual Art main office, 300 Chalmers Hall, or online (http://art.ku.edu). History of Art, information is available from the Kress Foundation Department of Art History (http://
www2.ku.edu/%7Ekuarthis). Students are encouraged to seek advice from any faculty member in a specific area of interest.

Students are expected to spend time outside of class working in the studio. For each credit hour in class another three hours of work will be expected outside of class time. It is normally expected that for 3 credit hours of studio a student will spend 9-15 hours per week working and studying for the entire 16 weeks during the semester.

Graduate Programs
The Department of Visual Art offers graduate programs leading to the Master of Fine Arts degree in visual art. Concentrations include ceramics, drawing and painting, expanded media, fibers, metalsmithing and jewelry, printmaking, and sculpture. A Master of Arts degree in visual art education and graduate licensure in art education are also available through the Department of Visual Art.

Courses
ART 101. Drawing I. 3 Hours GE3H / H.
Introductory study of Drawing with emphasis on tools, techniques and observational development. Studio class includes intensive in-class exercises, lectures, images, and assignments. Students develop a formal fine arts vocabulary and gain verbal and written skills in critical analysis through individual and group critiques. Six hours scheduled studio activity and approximately six hours outside work weekly. Prerequisite: Must be a major or minor in the Department of Visual Art or receive instructor permission. LAB.

ART 102. Drawing II. 3 Hours H.
Continuation of ART 101: Drawing I. Prerequisite: ART 101 or instructor permission. LAB.

ART 103. Art Concepts and Practice. 3 Hours H.
A companion course to ART 104. Lecture and studio experiences across disciplines emphasizing conceptual fundamentals, technical/skill development, visual sensibility, critical thinking and professional topics in art. Prerequisite: Must be a major or minor in the Department of Visual Art or receive instructor permission. LEC.

ART 104. Art Principles and Practice. 3 Hours H.
A companion course to ART 103. Lecture and studio experiences across disciplines emphasizing conceptual fundamentals, technical/skill development, visual sensibility, critical thinking and professional topics in art. Prerequisite: Must be a major or minor in the Department of Visual Art or receive instructor permission. LEC.

ART 105. Visual Art Seminar. 1 Hour.
An introduction to campus and community resources for students interested in Visual Arts. Resources in the Department, the University and the larger community will be discussed and explored. LEC.

ART 120. Fundamentals of Painting. 3 Hours.
Open to all university students. An exploration of basic technical and expressive possibilities in painting. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 121. Fundamentals of Printmaking. 3 Hours.
Open to all university students. An exploration of basic technical and expressive possibilities in printmaking, including woodcut, etching, lithography and silk screen; may include field trips, films, visiting lecturers. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 122. Fundamentals of Sculpture. 3 Hours.
Open to all university students. An exploration of basic technical and expressive possibilities in three-dimensional form and space, including sculpture, modeling, carving, and construction; may include field trips, films, visiting lecturers. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 123. Fundamentals of Expanded Media. 3 Hours GE3H / U.
Open to all university students. An exploration of basic technical and expressive possibilities in Expanded Media, including Installation, Performance, Video and other Digital technologies; may include field trips, films, and/or visiting lecturers. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 130. Fundamentals of Fiber Forms. 3 Hours U.
Open to all university students. A comprehensive study of the field of jewelry and metalsmithing with an emphasis on the tools, processes, and techniques used in the design and fabrication of objects from metals such as aluminum, brass, copper, bronze, sterling and related materials. Studio experience will include lectures, slide presentations, demonstrations, visiting artist, and student projects. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 131. Fundamentals of Ceramics. 3 Hours.
Open to all university students. An introduction to ceramics including throwing, hand-building, glazing, firing, and related activities. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 132. Fundamentals of Metalsmithing/Jewelry. 3 Hours GE3H.
Open to all university students. A comprehensive study of the field of jewelry and metalsmithing with an emphasis on the tools, processes, and techniques used in the design and fabrication of objects from metals such as aluminum, brass, copper, bronze, sterling and related materials. Studio experience will include lectures, slide presentations, demonstrations, visiting artist, and student projects. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 133. Fundamentals of Fibers. 3 Hours GE3H / U.
Open to all university students. Studio exploration of fibers as an art form and means of personal expression. A variety of dyeing, construction, and surface embellishment techniques will be introduced. Six hours scheduled studio activity and approximately six hours outside work weekly. LAB.

ART 177. First Year Seminar: ______. 3 Hours GE11 / U.
A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Art. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience. Prerequisite: First-time freshman status. LEC.

ART 201. Color Theory. 3 Hours.
An introduction to the basic color theories and their application. Presentation of the relationship between pigment and light, and of additive and subtractive color mixing. Prerequisite: ART 101, and ART 103 or ART 104. LAB.

ART 300. Special Topics in Visual Art: ______. 3 Hours.
Course to be offered in related areas of research, mixed media or interdisciplinary exploration. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. This course is offered at the 300 and 500 levels, with ART 500 serving as a continuation of study in the topic area. Prerequisite: ART 101, ART 102, ART 103, or ART 104; or permission of instructor. LAB.

ART 305. Visual Language. 3 Hours H.
This course explores visual language and its relationship to cultural meaning. We examine the ways that cultural experience both influences and is influenced by artistic expression. An investigation of artistic practice and its basic elements and principles is used to demonstrate
the connections between visual perception and the interpretation of visual experience. Examples from the arts and popular culture are used to illustrate the ways that we create meaning from the things we see. This course is open to all university students. Prerequisite: ENGL 101 and ENGL 102 or equivalent, or completion of the KU Core Written Communication requirements (Goal 2.1). LEC.

ART 375. Directed Readings in Visual Art. 1-3 Hours U.
Directed reading in specific areas of visual art. May be repeated for credit in subsequent semesters. Prerequisite: Permission of instructor. IND.

ART 395. Study Abroad Topics in: _____. 1-6 Hours H.
This course is designed for the study of special topics in Visual Art. Credit for course work must be arranged through the Office of KU Study Abroad. May be repeated for credit if content varies. Open to all students. LEC.

ART 500. Advanced Special Topics in Visual Art: _____. 3 Hours.
Course to be offered in related areas of research, mixed media or interdisciplinary exploration. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. This course is offered at the 300 and 500 levels, with ART 500 serving as a continuation of study in the topic area. Prerequisite: ART 101, ART 102, ART 103, or ART 104; and ART 300 (same topic), or permission of instructor. LAB.

ART 540. Professional Activities Seminar. 3 Hours.
Comprehensive development of skills and strategies needed to pursue a career as a professional studio artist. Prerequisite: Twenty-four hours of departmental electives or permission of instructor. LEC.

ART 575. Advanced Directed Reading in Visual Art. 1-3 Hours.
Directed reading in specific areas of visual art. May be repeated for credit in subsequent semesters. Prerequisite: Permission of instructor. IND.

ART 590. Internship in Visual Art. 1-3 Hours U.
Practical experience in the use of artistic skills in approved and supervised academic or professional settings. May be repeated for credit; no more than six hours may be applied to the B.A. or B.F.A. degree. Credit hours are graded on a satisfactory/unsatisfactory basis, according to the written recommendation provided by the internship supervisor to the faculty advisor. Prerequisite: ART 101, ART 102, ART 103, or ART 104; and permission of instructor. INT.

ART 595. Advanced Study Abroad Topics in: _____. 1-6 Hours H.
This course is designed for the study of special topics in Visual Art at the senior/graduate level. Credit for course work must be arranged through the Office of KU Study Abroad. May be repeated for credit if content varies. Open to seniors and graduate level students. LEC.

ART 598. Special Topics: Studio Theory and Criticism. 3 Hours.
Lecture, discussion, and supervised research in current topics related to contemporary studio theory and criticism. May be repeated for credit as topics vary. This course will be counted as free electives in course distribution. Prerequisite: Eighteen hours of departmental electives. LEC.

Individual studio activity. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours may apply toward the bachelor's degree. Prerequisite: ART 101, ART 102, ART 103, or ART 104; and twelve hours of Visual Art courses; and permission of instructor. IND.

ART 650. Senior Seminar I. 3 Hours H.
This course explores issues and themes in creative practice while critically examining works of visual art and culture; capstone experience. Concurrent enrollment in at least one upper level Visual Art studio course is required. Typically taken during a student's final two semesters. Prerequisite: 30 hours of departmental electives and instructor permission. Corequisite: Any 300 level or above Visual Art studio course. SEM.

ART 660. Senior Seminar II. 3 Hours AE61 / H.
Continuation of ART 650; capstone experience. Participation in BFA exhibition required. Concurrent enrollment in at least one upper level Visual Art studio course is required. Prerequisite: ART 650 and instructor permission. Corequisite: Any 300 level or above Visual Art studio course. LEC.

ART 695. Directed Study I. 3 Hours.
Individual studio activity under direction of faculty advisor; capstone experience. Prerequisite: Thirty hours of departmental electives, consent of department, and permission of instructor. IND.

ART 696. Directed Study II. 3 Hours AE61.
Continuation of ART 695; capstone experience. May be repeated for credit in subsequent semesters. Prerequisite: ART 695. IND.

ART 801. Directed Study III. 2-5 Hours.
Individual studio activity under the direction of faculty member. May be repeated for credit in subsequent semesters. Prerequisite: Permission of graduate director and enrollment in the Visual Art MFA program. RSH.

ART 802. Directed Study IV. 2-5 Hours.
Continuation of Directed Study III. Prerequisite: Enrollment in the Visual Art MFA Program. RSH.

ART 803. Directed Study V. 2-5 Hours.
Continuation of Directed Study IV. Prerequisite: Enrollment in the Visual Art MFA Program. RSH.

ART 805. Graduate Studio. 1-3 Hours.
Individual graduate studio research in visual art. Course content to be determined by the student under the supervision of a graduate faculty member. May be repeated for credit. Prerequisite: Graduate standing in The School of The Arts and permission of the instructor. RSH.

ART 811. Directed Reading in Visual Art. 1-3 Hours.
Research reading and presentation of reports on specific subjects related to the student's major area of specialization. Prerequisite: Enrollment in the MFA Program in the Department of Visual Art. RSH.

ART 887. Graduate Seminar. 3 Hours.
The graduate seminar emphasizes professional preparation for contemporary artists focusing on writing skills, oral presentations, critiques of individual creative research/artwork, critical thinking about and visual analysis of current art forms and contemporary approaches to the teaching of studio art. Prerequisite: Admission to the Graduate Program in Visual Art. SEM.

ART 898. Special Topics: Studio Theory and Criticism. 3 Hours.
Lecture, discussion, and supervised research in current topics related to contemporary studio theory and criticism. May be repeated for credit as topics vary. This course will be counted as a graduate level elective in course and credit distribution. LEC.

ART 899. Graduate Seminar. 1 Hour.
Weekly discussion of issues and/or work in art. (Graded on a satisfactory/ or F basis.) Repeat for credit in subsequent semesters. SEM.

ART 906. Graduate Studio. 1-3 Hours.
Individual graduate studio research in visual art. Course content to be determined by the student under the supervision of a graduate faculty member. May be repeated for credit. Prerequisite: ART 805 and permission of the instructor. RSH.
Original research in visual art culminating in a thesis exhibition. May be repeated for credit. Graded on a satisfactory progress/limited progress/no progress basis. Prerequisite: Thirty-six credit hours of graduate credit and permission of the graduate review committee. THE.

Courses

CER 208. Ceramics I. 3 Hours.
The development of form and surface through the use of handbuilding and wheel thrown techniques. Stoneware and Raku are explored. LAB.

CER 300. Special Topics in Ceramics: ____. 1-4 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 131 or CER 208; or permission of instructor. LEC.

CER 301. Concepts and Methods: Wheel Throwing. 3 Hours.
Intermediate ceramics course focusing on the potter's wheel as a tool. Coursework focuses on throwing skills and three-dimensional design concepts related to the functional ceramic vessel, wheel thrown sculpture, and creative problem-solving. Technical information supports an understanding of forming, surface development, glazing, and firing. Prerequisite: ART 131 or CER 208. LAB.

CER 302. Concepts & Methods: Hand Building. 3 Hours.
Intermediate ceramics course using hand-building techniques and processes supported by design and idea development. Techniques will include press molding, slab construction and coil-building, color and surface development through glazing and firing. Emphasis is placed on creative expression and communication of personal ideas. Prerequisite: ART 131 or CER 208. LAB.

CER 402. Mold Making and Slip Casting. 3 Hours.
Intermediate ceramics course focusing on the production of plaster molds and the slipcasting process. Students will make molds and prototypes, produce porcelain casting slip, and develop strategies in casting as well as consider the use of the slip-casting technique as a conceptual tool. Prerequisite: ART 131 or CER 208. LAB.

CER 403. Advanced Topics in Ceramics. 3 Hours.
Advanced ceramics course using traditional and non-traditional approaches to ceramic art-making. Topics may include: wood firing, ephemeral art, large-scale sculpture, and/or digital technologies. This course can be repeated if topic varies. If same topic is repeated, students should enroll in CER 503. Prerequisite: CER 301 or CER 302 or permission of instructor. LAB.

CER 505. Clay and Glaze Formulation. 3 Hours.
Formulation of the various clay bodies and glazes associated with ceramics. Prerequisite: CER 301. LEC.

CER 506. Production. 6 Hours.
Procedures, techniques, problems, and solutions for setting up and operating a production pottery studio, including the development of ceramic forms and glazes related to marketability and design and mold production for industry. May be repeated for credit. Prerequisite: CER 301 and CER 302. LAB.

CER 510. History of Ceramics. 3 Hours.
This course examines historical ceramics across the globe. Emphasis will be placed on the development and transmission of design, materials, and technique across various traditions. This course number is intended for undergraduate students. Graduate students should enroll in CER 710 History of Ceramics. Prerequisite: CER 131 or CER 208, or permission of instructor. LEC.

CER 515. Advanced Ceramics I. 3-6 Hours AE61.
Development of individual direction in ceramics based on experience, research, and skills acquired in previous courses; capstone experience. May be repeated for credit. Prerequisite: CER 301 and CER 402. LAB.

CER 520. Advanced Ceramics II. 3-6 Hours AE61 / U.
Continuation of CER 515; capstone experience. May be repeated for credit. Prerequisite: CER 515. LAB.

CER 590. Internship in Ceramics. 1-3 Hours U.
Practical experience in the use of artistic skills in approved and supervised academic or professional settings. May be repeated for credit; no more than six hours may be applied to the B.A. or B.F.A. degree. Credit hours are graded on a satisfactory/unsatisfactory basis, according to the written recommendation provided by the internship supervisor to the faculty advisor. Prerequisite: ART 102, ART 103, and ART 104; and fifteen hours of Visual Art courses; and permission of instructor. INT.

CER 599. Individual Studies in Ceramics. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours may apply toward the bachelor's degree. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Ceramics courses or permission of instructor. INT.

CER 710. History of Ceramics. 3 Hours.
This course examines historical ceramics across the globe. Emphasis will be placed on the development and transmission of design, materials, and technique across various traditions. This course is for Graduate students. Undergraduate students should enroll in CER 510 History of Ceramics. LEC.
Courses

DRWG 203. Drawing III. 3 Hours.
Advanced problems in drawing. Prerequisite: ART 102. LAB.

DRWG 213. Life Drawing I. 3 Hours.
Figure drawing. Prerequisite: ART 102 and ART 104 or ART 105. LAB.

DRWG 304. Drawing IV. 3 Hours.
Continuation of DRWG 203. Prerequisite: DRWG 203. LAB.

DRWG 314. Life Drawing II. 3 Hours.
Continuation of DRWG 213. Prerequisite: DRWG 213. LAB.

DRWG 318. Life Drawing II, Honors. 3 Hours.
Figure drawing, a continuation of DRWG 213. Prerequisite: DRWG 213; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

DRWG 335. Special Topics in Drawing: ______. 3 Hours.
Course to be offered in area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or permission of instructor. LAB.

DRWG 500. Advanced Special Topics in Drawing: ______. 3 Hours.
Course to be offered in area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or twelve hours of Drawing courses, or permission of instructor. LAB.

DRWG 505. Drawing V. 3 Hours.
Continuation of DRWG 304. Prerequisite: DRWG 304. LAB.

DRWG 506. Drawing VI. 3 Hours.
Continuation of DRWG 505. May be repeated for credit in subsequent semesters. Prerequisite: DRWG 505. LAB.

DRWG 515. Life Drawing III. 3 Hours.
Continuation of DRWG 314. Prerequisite: DRWG 314. LAB.

DRWG 516. Life Drawing IV. 3 Hours.
Continuation of DRWG 515. May be repeated for credit in subsequent semesters. Prerequisite: DRWG 515. LAB.

DRWG 518. Life Drawing III, Honors. 3 Hours.
Figure drawing, a continuation of DRWG 314 or DRWG 318. May be repeated for credit in subsequent semesters. Prerequisite: DRWG 314 or DRWG 318; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

DRWG 519. Life Drawing IV, Honors. 3 Hours.
Figure drawing, a continuation of DRWG 515 or DRWG 518. May be repeated for credit in subsequent semesters. Prerequisite: DRWG 515 or DRWG 518; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

DRWG 535. Special Topics in Drawing: ______. 3 Hours.
Course to be offered in area of special interest to individual faculty, and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: 12 hours of drawing and permission of instructor. LAB.

DRWG 599. Individual Studies in Drawing. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours may apply toward the bachelor’s degree. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Drawing courses, or permission of instructor. IND.

DRWG 807. Drawing VII. 3 Hours.
Individual research in drawing. Prerequisite: DRWG 506. RSH.

DRWG 817. Life Drawing V. 3 Hours.
Individual research in figure drawing. Prerequisite: DRWG 516. RSH.

DRWG 908. Drawing VIII. 3 Hours.
Continuation of DRWG 807. Prerequisite: DRWG 807. RSH.

DRWG 918. Life Drawing VI. 3 Hours.
Continuation of DRWG 817. Prerequisite: DRWG 817. RSH.

Courses

EXM 274. Expanded Media. 3 Hours U.
Beginning course to introduce the fundamental concepts, strategies, and technologies that comprise the Expanded Media area of the Department of Visual Art: Installation, Performance, and Digital Image. Emphasis is placed on forming ideas and strategies, and creating artwork that considers the core connections within Expanded Media: time, space, the body, the viewer, and society at large. Computer-based technologies and time-based media that are inherent to Expanded Media practice support studio assignments. Coursework includes the investigation and discussion of historic precedents and the development of an appropriate critical dialogue with which to discuss their work. Prerequisite: ART 102, ART 103, and ART 104. LAB.

EXM 300. Special Topics in Expanded Media: ______. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or permission of instructor. LAB.

EXM 301. The Digital Image I. 3 Hours.
Introduction to various still digital processes and skills that encourage the use of digital imagery within a variety of other media. Focus on content issues as they relate to development of artwork incorporating digital imagery. LAB.

EXM 302. Performance Art I. 3 Hours U.
An introduction to the understanding and production of performance art. Students gain proficiency in conceptualization and production of performance time-based art in an Interdisciplinary art-making environment. Prerequisite: ART 102, ART 103, and ART 104. LAB.
EXM 303. Intermedia I. 3 Hours.
An introduction to the use/handling and integration of diverse, new and traditional materials, techniques and processes. Problems will involve strategies for discovering and managing combinations of drawn, painted, digital and constructed forms. Studio sessions will include research, lecture, demos, and guest speakers. Prerequisite: Permission of instructor. LAB.

EXM 304. Digital Photography I. 3 Hours.
This course explores Digital Photography as a tool and resource with a wide range of expressive and creative interests. Digital processes such as image capturing, editing, and printing will be the main focus. Issues pertaining the circulation and distribution of digital imagery in contemporary culture will be addressed. DSLRs, Point and Shoot Cameras, and Camera Phones will be used. Prerequisite: ART 101, ART 103, or ART 104; and any introductory art studio, or permission of instructor. This course is offered at the 300 and 500 levels, with the 500 level serving as a continuation of study in the topic area. LAB.

EXM 307. Installation Art I. 3 Hours U.
An introduction to the understanding and production of installed art environments using a variety of media and approaches to art-making. Students gain proficiency in conceptualization and production of installation art in an interdisciplinary art-making environment. Prerequisite: ART 102, ART 103, and ART 104. LAB.

EXM 314. Alternative Approaches in Photography I. 3 Hours U.
An introduction to the understanding and production of alternative approaches in photography. Students gain proficiency in conceptualization and production of artwork using alternative approaches in photography in an interdisciplinary art-making environment. Prerequisite: ART 102, ART 103, and ART 104. LAB.

EXM 326. Video and Time-Based Media I. 3 Hours U.
An introduction to the understanding and production of video and time-based art. Students gain proficiency in conceptualization and production of video and time-based art in an interdisciplinary art-making environment. Prerequisite: EXM 274. LAB.

EXM 500. Advanced Special Topics in Expanded Media: ______. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or permission of instructor. LAB.

EXM 501. The Digital Image II. 3 Hours.
Continuation of EXM 301, The Digital Image I. May be repeated for credit. LAB.

EXM 503. Intermedia II. 3 Hours.
Continuation of EXM 303, Intermedia I. May be repeated for credit. Prerequisite: Permission of instructor. LAB.

EXM 504. Digital Photography II. 3 Hours.
This course will explore Digital Photography as a tool and resource with a wide range of expressive and creative interests. Students will explore how digital photographs are ‘captured’, edited, printed, and distributed in contemporary culture. DSLRs, Point and Shoot Cameras, and Camera Phones will be used. Advanced techniques in Picture Editing, File Management, Printing, Digital Delivery, and Studio Photography of Artwork will be explored. May be repeated for credit. Prerequisite: EXM 304. LAB.

EXM 514. Alternative Approaches in Photography II. 3 Hours U.
Continuation of EXM 314. Prerequisite: EXM 314. LAB.

EXM 526. Video and Time-Based Media II. 3 Hours U.
Continuation of EXM 326. Prerequisite: EXM 326. LAB.

EXM 535. Intermediate Expanded Media. 3 Hours.
Continuation of Expanded Media studio research. Prerequisite: Two (200- and/or 300-level) Expanded Media courses. LAB.

EXM 536. Intermediate Expanded Media, Honors. 3 Hours.
Continuation of Expanded Media studio research. Prerequisite: Two (200- and/or 300-level) Expanded Media courses; membership in the University Honors Program or 3.25 minimum cumulative grade point average with permission of the department. LAB.

EXM 537. Advanced Expanded Media. 3 Hours.
Continuation of EXM 535. May be repeated for credit. Prerequisite: EXM 535 or EXM 536. LAB.

EXM 538. Advanced Expanded Media, Honors. 3 Hours.
Continuation of EXM 536. May be repeated for credit. Prerequisite: EXM 535 or EXM 536; membership in the University Honors Program or 3.25 minimum cumulative grade point average with permission of the department. LAB.

EXM 541. Graduate Performance Art. 3 Hours.
Students will gain proficiency in conceptualization and production of performance time-based art in an interdisciplinary art-making environment. Prerequisite: Permission of instructor. LAB.

EXM 542. Graduate Installation Art. 3 Hours.
Advanced problems toward the creation of environments using a variety of media including traditional and non-traditional approaches to art-making. Prerequisite: Permission of instructor. LAB.

EXM 543. Graduate: The Digital Image. 3 Hours.
Advanced work focusing on content issues as they relate to development of artwork incorporating digital imagery. Prerequisite: Permission of instructor. LAB.

EXM 545. Graduate Intermedia. 3 Hours.
Advanced work in the use/handling and integration of diverse, new and traditional materials, techniques and processes. Advanced problems will involve strategies for discovering and managing combinations of drawn, painted, digital, and constructed forms. Studio sessions will include research, lecture, demos, and guest speakers. Prerequisite: Permission of instructor. LAB.

EXM 546. Graduate Expanded Media V. 3 Hours.
Continuation of Expanded Media studio research. Prerequisite: Permission of instructor. LAB.

EXM 573. Performance Art II. 3 Hours U.
Continuation of EXM 302. Prerequisite: EXM 302. LAB.

EXM 574. Performance Art II, Honors. 3 Hours U.
Continuation of EXM 302. Prerequisite: EXM 302; and membership in the University Honors Program or 3.25 minimum cumulative grade point average with permission of the department. LAB.

EXM 577. Installation Art II. 3 Hours U.
Continuation of EXM 307. Prerequisite: EXM 307. LAB.

EXM 578. Installation Art II, Honors. 3 Hours U.
Continuation of EXM 307. Prerequisite: EXM 307; and membership in the University Honors Program or 3.25 minimum cumulative grade point average with permission of the department. LAB.

EXM 599. Individual Studies in Expanded Media. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours may apply toward the bachelor’s degree. Prerequisite: ART 102, ART
103, and ART 104; and twelve hours of Expanded Media courses, of permission of instructor. IND.

**EXM 846. Graduate Expanded Media VI. 3 Hours.**
Continuation of Expanded Media studio research. Prerequisite: Permission of instructor. LAB.

**EXM 946. Graduate Expanded Media VII. 3 Hours.**
Continuation of Expanded Media studio research. Prerequisite: Permission of instructor. LAB.

**Courses**

**METL 211. Jewelry. 3 Hours GE3S.**
Introduction to metalsmithing and jewelry design, materials and processes. Student projects explore the joining, forming, and surface embellishment of metals such as copper, brass, bronze, and sterling. Prerequisite: ART 102 and ART 104. LAB.

**METL 300. Special Topics in Metalsmithing: ______. 3 Hours U.**
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or permission of instructor. LAB.

**METL 301. Introduction to Casting for Jewelry. 3 Hours.**
Introduction to casting and mold making processes used for jewelry and small sculpture. Students explore various methods and materials for creating models for casting in bronze or silver including wax carving, wax modeling, and the use of natural and synthetic materials as models. Models are cast using centrifugal and vacuum casting processes. Basic mold making in clay and silicone are also explored. Prerequisite: ART 132 or METL 211. LAB.

**METL 302. Professional Practices. 3 Hours.**
The development of a portfolio including designing, rendering, and model making for future projects. Photographing completed objects and discussing professional aspects of the jewelry/metalworking field. Prerequisite: Six hours of metalsmithing. LAB.

**METL 360. Holloware. 3 Hours.**
Problems related to specific smithing techniques such as raising, stretching, shell structures and seam fabrications. Metal manipulation on a large scale. Prerequisite: METL 301. LAB.

**METL 362. Metalsmithing. 3-6 Hours H.**
Advanced metalworking with an emphasis on the refinement of design and techniques. Processes may include linkage, marriage of metals, metal inlays, hinge and catch fabrication. Prerequisite: METL 301. LAB.

**METL 364. Enameling. 3-6 Hours.**
Problems of basic and advanced enameling as applied to jewelry design and metalsmithing objects. Exploration of major enameling techniques: such as limoges, cloissoné, champeule, and bassetaille. Prerequisite: Six hours of metalsmithing or consent of instructor. LAB.

**METL 500. Advanced Special Topics in Metalsmithing: ______. 3 Hours U.**
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or permission of instructor. LAB.

**METL 501. Seminar. 3 Hours.**
Lectures and demonstrations on techniques of contemporary interest outside of typical classroom activity. Prerequisite: Six hours of metalsmithing. LEC.

**METL 503. Gemology. 3 Hours H.**
Students study the physical and optical characteristics of gemstones in order to identify them using gemological instruments. This laboratory and discussion class explores related topics such as the principles of optics that support this methodology, history and geographical distribution of gemstones, gemstone cutting and pearl farming, the history of DeBeers and the development of the world demand for diamond, quality analysis of diamond, colored gemstones and pearls, including the history of diamond grading, the development and identification of synthetics, imitations and laboratory enhancements as well as the use of gemstones in designing jewelry. Prerequisite: ART 132. LAB.

**METL 504. A History of Jewelry. 3 Hours H.**
This course explores the history from Sumeria to the 21st century of the use of metals and gemstones in the creation of decorative art for personal adornment. Students explore the evolution of the role of jewelry in ancient culture and modern society and survey individuals whose ideas and work influenced generations of goldsmiths and jewelers around the globe. The class studies primitive tools and modern manufacturing techniques, the history of gemstone cutting and setting and the origin and development of gemstones as symbols. Prerequisite: ART 132. LEC.

**METL 505. Digital Jewelry Design I. 3 Hours H.**
Matrix is a 3-D CAD program based on Rhino developed by Rhino, specifically for jewelry design. The goal of this course is to instruct beginners in the Matrix design program. Students learn to transform their 2-D designs from their sketchbooks into 3-D models in Matrix, which can be milled in wax, and cast in metal. Students also learn how to render their 3-D Matrix models to appear as if they were a finished object. The class time is structured as a combination of instructor-led tutorials and working labs. Prerequisite: ART 132. LAB.

**METL 506. Digital Jewelry Design II. 3 Hours H.**
The second semester of Matrix increases the operating and design skills building on the knowledge of DG I. The focus of the class is producing wax models on the Revo Digital Mill. Digi II covers the advanced modeling skills including T-spline and Rhino. Students also learn how to make a customized tool path for Revo C mill program and how to solve milling problems. Students also learn how to convert Rhino files to produce a 3D print for outsourcing to other 3D modeling programs. Prerequisite: ART 132, METL 301, METL 505. LAB.

**METL 515. Advanced Metals I. 3-6 Hours AE61 / H.**
Emphasis on individual design aesthetic through intensive designing, rendering, and modelmaking as preparation for fabricated pieces of jewelry, holloware, and/or small objects; capstone experience. Prerequisite: METL 362. LAB.

**METL 520. Advanced Metals II. 3-6 Hours AE61 / U.**
Continuation of METL 515; capstone experience. This course requires a final presentation of a complete portfolio including resume, renderings and photographs of the finished work. Prerequisite: METL 515. LAB.

**METL 590. Internship in Metalsmithing/Jewelry. 1-3 Hours U.**
Practical experience in the use of artistic skills in approved and supervised academic or professional settings. May be repeated for credit; no more than six hours may be applied to the B.A. or B.F.A. degree. Credit hours are graded on a satisfactory/unsatisfactory basis, according to the written recommendation provided by the internship supervisor to the faculty advisor. Prerequisite: ART 102, and ART 103, and ART 104; and fifteen hours of Visual Art Courses; and permission of instructor. FLD.
METL 599. Individual Studies in Metalsmithing/Jewelry. 1-6 Hours
AE61 / U.
Individual studio activity; capstone experience. Course content to be
determined by the student under supervision of a faculty member. May be
repeated for credit in subsequent semesters; a maximum of nine hours
may apply toward the bachelor's degree. Prerequisite: ART 102, ART
103, and ART 104; and twelve hours of Metalsmithing/Jewelry courses, or
permission of instructor. IND.

METL 715. Metals/Jewelry. 2-6 Hours.
Individual research. Prerequisite: METL 515 or equivalent. RSH.

METL 815. Metals/Jewelry. 2-6 Hours.
Continuation of METL 715. RSH.

Courses

PNTG 263. Painting I. 3 Hours.
Basic problems in painting. Prerequisite: ART 102, and ART 103 or ART
104. LAB.

PNTG 300. Special Topics in Painting: _____ 3 Hours.
Course to be offered in area of studio activity of specific interest to
individual faculty and qualified students. (This course is not regularly
offered. The current Schedule of Classes should be consulted.) May be
repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; or
permission of instructor. LAB.

PNTG 337. Watercolor. 3 Hours.
Sessions deal with the preparation of watercolor paints and equipment,
but the main emphasis is placed on relational concepts affecting
tone, structure, and unity in work. While the students are expected to
explore some of the traditional approaches to watercolor, they also are
encouraged to work with new and innovative ones. May be repeated for
credit. Prerequisite: PNTG 263 or permission of instructor. LAB.

PNTG 338. Landscape Painting. 3 Hours.
An introduction to landscape painting. Considerable work is done out-
of-doors. Emphasis is placed upon experiencing the environment and
the development of individual approach. May be repeated for credit.
Prerequisite: PNTG 263 and permission of instructor. LAB.

PNTG 364. Painting II. 3 Hours.
Continuation of PNTG 263. Prerequisite: PNTG 263. LAB.

PNTG 368. Painting II, Honors. 3 Hours.
Continuation of PNTG 263. Prerequisite: PNTG 263; membership in the
University Honors Program or 3.25 minimum cumulative grade-point
average; and permission of the department. LEC.

PNTG 500. Advanced Special Topics in Painting: _____ 3 Hours.
Course to be offered in an area of special interest to individual faculty
and qualified students. (This course is not regularly offered. The current
Schedule of Classes should be consulted.) May be repeated for credit.
Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of
Painting courses, or permission of instructor. LAB.

PNTG 565. Painting III. 3 Hours.
Continuation of PNTG 364. Prerequisite: PNTG 364. LAB.

PNTG 566. Painting IV. 3 Hours.
Continuation of PNTG 565. May be repeated for credit. Prerequisite:
PNTG 565. LAB.

PNTG 567. Painting III, Honors. 3 Hours.
Continuation of PNTG 364 or PNTG 368. Prerequisite: PNTG 364 or
PNTG 368; membership in the University Honors Program or 3.25
minimum cumulative grade-point average; and permission of the
department. LEC.

PNTG 569. Painting IV, Honors. 3 Hours.
Continuation of PNTG 565 or PNTG 568. Prerequisite: PNTG 565 or
PNTG 568; membership in the University Honors Program or 3.25
minimum cumulative grade-point average; and permission of the
department. LEC.

PNTG 585. The Figure I. 3 Hours.
The figure and its environment in various media. Prerequisite: DRWG 314
and PNTG 364. LAB.

PNTG 586. The Figure II. 3 Hours.
Continuation of PNTG 585. May be repeated for credit. Prerequisite:
PNTG 585. LAB.

PNTG 588. The Figure I, Honors. 3 Hours.
The figure and its environment in various media. Prerequisite: DRWG
314 or DRWG 318 and PNTG 364 and PNTG 368; membership in the
University Honors Program or 3.25 minimum cumulative grade-point
average; and permission of the department. LEC.

PNTG 589. The Figure II, Honors. 3 Hours.
Continuation of PNTG 585 or PNTG 588. May be repeated for credit.
Prerequisite: PNTG 585 or PNTG 588; membership in the University
Honors Program or 3.25 minimum cumulative grade-point average; and
permission of the department. LEC.

PNTG 599. Individual Studies in Painting. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be
determined by the student under supervision of a faculty member. May be
repeated for credit in subsequent semesters; a maximum of nine hours
may apply toward the bachelor's degree. Prerequisite: ART 102, ART
103, and ART 104; and twelve hours of Painting courses, or permission of
the department. LEC.

PNTG 667. Painting V. 3 Hours.
Continuation of PNTG 566. Prerequisite: PNTG 566. LAB.

PNTG 668. Painting VI. 3 Hours.
Continuation of PNTG 567. May be repeated for credit in subsequent
semesters. Prerequisite: PNTG 567. LAB.

PNTG 687. The Figure III. 3 Hours.
Continuation of PNTG 585 or PNTG 588. Prerequisite: PNTG 586. LAB.

PNTG 688. The Figure IV. 3 Hours.
Continuation of PNTG 687. May be repeated for credit. Prerequisite:
PNTG 687. LAB.

PNTG 689. Painting VII. 3 Hours.
Individual research in painting. Prerequisite: PNTG 668. RSH.

PNTG 889. The Figure V. 3 Hours.
Individual research in the figure and its environment in various media.
Prerequisite: PNTG 889. RSH.

PNTG 900. The Figure VI. 3 Hours.
Continuation of PNTG 889. Prerequisite: PNTG 889. RSH.

Courses

PRNT 223. Intaglio I. 3 Hours.
Introduction to intaglio. Prerequisite: ART 102, and ART 103 or ART 104.
LAB.

PRNT 224. Relief I. 3 Hours.
Introduction to relief printing. Prerequisite: ART 102, and ART 103 or ART
104. LAB.
PRNT 233. Lithography I. 3 Hours.
Introduction to lithography. Prerequisite: ART 102, and ART 103 or ART 104. LAB.

PRNT 243. Serigraphy I. 3 Hours.
Introduction to serigraphy. Prerequisite: ART 102, and ART 103 or ART 104. LAB.

PRNT 300. Special Topics in Printmaking: ____. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART102, ART 103, and ART 104; or permission of instructor. LAB.

PRNT 324. Intaglio II. 3 Hours.
Continuation of PRNT 223. Prerequisite: PRNT 223, or permission of instructor. LAB.

PRNT 325. Relief II. 3 Hours.
Continuation of PRNT 224. Prerequisite: PRNT 224, or permission of instructor. LAB.

PRNT 328. Intaglio II, Honors. 3 Hours.
Continuation of PRNT 223. Prerequisite: PRNT 223; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

PRNT 329. Relief II, Honors. 3 Hours.
Continuation of PRNT 224. Prerequisite: PRNT 224; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

PRNT 334. Lithography II. 3 Hours.
Continuation of PRNT 233. Prerequisite: PRNT 233 or permission of instructor. LAB.

PRNT 338. Lithography II, Honors. 3 Hours.
Continuation of PRNT 233. Prerequisite: PRNT 233; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

PRNT 344. Serigraphy II. 3 Hours.
Continuation of PRNT 243. Prerequisite: PRNT 243 or permission of instructor. LAB.

PRNT 348. Special Problems in Printmaking–Color Printing in Relief and Intaglio. 3 Hours.
Multiple block and plate printing in color. (This course is not regularly offered. The current Schedule of Classes should be consulted.) Prerequisite: PRNT 223 and permission of instructor. LAB.

PRNT 349. Serigraphy II, Honors. 3 Hours.
Continuation of PRNT 243. Prerequisite: PRNT 243; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

PRNT 500. Advanced Special Topics in Printmaking: ____. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Printmaking courses, or permission of instructor. LAB.

PRNT 523. Printmaking III A (Intaglio). 3 Hours.
Prerequisite: PRNT 324 or permission of instructor. LAB.

PRNT 524. Printmaking III B (Lithography). 3 Hours.
Prerequisite: PRNT 334 or permission of instructor. LAB.

PRNT 525. Printmaking III C (Serigraphy). 3 Hours.
Prerequisite: PRNT 344 or permission of instructor. LAB.

PRNT 526. Printmaking IV A (Intaglio). 3 Hours.
Prerequisite: PRNT 523 or permission of instructor. LAB.

PRNT 527. Printmaking IV B (Lithography). 3 Hours.
Prerequisite: PRNT 524 or permission of instructor. LAB.

PRNT 528. Printmaking IV C (Serigraphy). 3 Hours.
Prerequisite: PRNT 525 or permission of instructor. LAB.

PRNT 599. Individual Studies in Printmaking. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours may apply toward the bachelor's degree. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Printmaking courses, or permission of instructor. IND.

PRNT 662. Printmaking V. 3 Hours.
Individual research in printing. Prerequisite: PRNT 526 or PRNT 527 or PRNT 528. LAB.

PRNT 663. Printmaking VI. 3 Hours.
Continuation of PRNT 662. Prerequisite: PRNT 662. LAB.

PRNT 802. Special Problems in Printmaking. 3 Hours.
Individual research in printmaking; course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters. Prerequisite: PRNT 579 and permission of instructor. RSH.

PRNT 827. Printmaking VII. 3 Hours.
Continuation of PRNT 826. Prerequisite: PRNT 826. LAB.

PRNT 903. Special Problems in Printmaking. 3 Hours.
Individual research in printmaking; course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters. Prerequisite: PRNT 802 and permission of instructor. RSH.

PRNT 928. Printmaking VIII. 3 Hours.
Continuation of PRNT 827. Prerequisite: PRNT 827. LAB.

Courses

SCUL 253. Sculpture I. 3 Hours.
Introduction to sculpture. Prerequisite: ART 102, ART 103, and ART 104, or permission of instructor. LAB.

SCUL 300. Special Topics in Sculpture: ____. 3 Hours.
Course to be offered in an area of studio activity of specific interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104, or permission of instructor. LAB.

SCUL 330. Sculpture Intercepting the Waste Stream. 3 Hours N.
An introductory course using engaged learning to exploring the genre of ecological art practice (eco-art.) Class focuses on the waste stream particularly as it affects the Kansas River. Through remediation events, students build works of art from trash, in turn auctioned for environmental efforts. Creative attention is focused on ecological imbalance. (Same as EVRN 330.) Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 349. Metal and Glass Casting. 3 Hours.
A course in foundry techniques as related to sculpture. Both traditional and experimental procedures for casting bronze, aluminum, and iron
sculpture are explored. This course is taught at the 300 and 500 levels, with additional assignments at the 500 level. LAB.

SCUL 350. Direct Metal Fabrication. 3 Hours.
The course will present a variety of techniques for fabricating metal sculpture. Oxyacetylene and electric arc welding processes will be included. May be repeated for credit. Prerequisite: SCUL 253. LAB.

SCUL 353. The Figure 3D: Modeling and Molding. 3 Hours H.
Sculpting a figure is radically different form drawing one! You will develop a more comprehensive understanding of the human form while creating art addressing contemporary aesthetic concerns. Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 354. Sculpture II. 3 Hours.
Continuation of SCUL 253. Prerequisite: SCUL 253. LAB.

SCUL 355. Sculpture III. 3 Hours.
Continuation of SCUL 354. Prerequisite: SCUL 354. LAB.

SCUL 356. Public Art. 3 Hours H.
Students in this class investigate the nature of contemporary public art as well as creating their own artworks. Public Art covers a wide spectrum of art making from interventions, to street art, to murals and on to monumental sculpture. This class also covers how to present for commissions, budgeting, and legal liability. Previous work created in this class has won national awards. Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 358. Sculpture II, Honors. 3 Hours.
Continuation of SCUL 253. Prerequisite: SCUL 253; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

SCUL 359. Sculpture III, Honors. 3 Hours.
Continuation of SCUL 354 or SCUL 358. Prerequisite: SCUL 354 or SCUL 358; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

SCUL 360. Build Smart. 3 Hours H.
An introductory woodworking course that emphasizes planning, fabricating, and assembly techniques. Material handling and best practice building methods are introduced and reinforced through a series of individual woodworking projects that expose the student to the properties of wood, as well as, hand and machine woodworking tools. Significant out of class work required. Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 362. Art and Ecology: Inhabiting the Ecosphere. 3 Hours N.
An introductory course exploring the genre of ecological art practice through a series of engaged learning projects that focus on habitat, the waste stream and natural resources, local ecologies and interventionist creative strategies that focus attention on ecological imbalance. (Same as EVRN 362.) Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 500. Advanced Special Topics in Sculpture: ____. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Sculpture courses, or permission of instructor. LAB.

SCUL 549. Metal and Glass Casting. 3 Hours U.
A course in foundry techniques as related to sculpture. Both traditional and experimental procedures for casting bronze, aluminum, and iron sculpture are explored. May be repeated for credit. This course is taught

at the 300 and 500 levels, with additional assignments at the 500-level. Prerequisite: SCUL 253. LAB.

SCUL 556. Sculpture IV. 3 Hours.
Continuation of SCUL 355. May be repeated for credit. Prerequisite: SCUL 355. LAB.

SCUL 558. Sculpture IV, Honors. 3 Hours.
Continuation of SCUL 355 or SCUL 359. May be repeated for credit. Prerequisite: SCUL 355 or SCUL 359; membership in the University Honors Program or 3.25 minimum cumulative grade-point average; and permission of the department. LEC.

SCUL 599. Individual Studies in Sculpture. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours can apply toward the bachelor's degree. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Sculpture courses, or permission of instructor. IND.

SCUL 630. Sculpture Intercepting the Waste Stream. 3 Hours N.
An introductory course using engaged learning to exploring the genre of ecological art practice through a series of engaged learning projects that focus on habitat, the waste stream and natural resources, local ecologies and interventionist creative strategies that focus attention on ecological imbalance. Prerequisite: Graduate standing or permission of instructor. LAB.

SCUL 653. The Figure 3D: Modeling and Molding. 3 Hours H.
Sculpting a figure is radically different form drawing one! Students will develop a more comprehensive understanding of the human form while creating art addressing contemporary aesthetic concerns. Prerequisite: Graduate standing or permission of instructor. LAB.

SCUL 656. Public Art. 3 Hours H.
Students in this class investigate the nature of contemporary public art as well as creating their own artworks. Public Art covers a wide spectrum of art making from interventions, to street art, to murals and on to monumental sculpture. This class also covers how to present for commissions, budgeting, and legal liability. Previous work created in this class has won national awards. Prerequisite: Graduate standing or permission of instructor. LAB.

SCUL 657. Sculpture V. 3 Hours.
Continuation of SCUL 556. Prerequisite: SCUL 556. LAB.

SCUL 658. Sculpture VI. 3 Hours.
Continuation of SCUL 657. May be repeated for credit in subsequent semesters. Prerequisite: SCUL 657. LAB.

SCUL 660. Build Smart. 3 Hours H.
This course is an introductory woodworking course that emphasizes planning, fabricating, and assembly techniques. Material handling and best practice building methods are introduced and reinforced through a series of individual woodworking projects that expose the student to the properties of wood, as well as, hand and machine woodworking tools. Significant out of class work required. Non Visual Art students require permission number from Department. Prerequisite: Visual Art major or minor, or instructor permission. LAB.

SCUL 662. Art and Ecology: Inhabiting the Ecosphere. 3 Hours N.
An introductory course exploring the genre of ecological art practice through a series of engaged learning projects that focus on habitat, the waste stream and natural resources, local ecologies and interventionist creative strategies that focus attention on ecological imbalance. Prerequisite:...
imbalance. Prerequisite: Graduate standing or permission of instructor. LAB.

SCUL 804. Special Problems in Sculpture. 3 Hours.
Individual research in sculpture: course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters. Prerequisite: SCUL 559 and permission of instructor. RSH.

SCUL 859. Sculpture VII. 3 Hours.
Individual research in sculpture. Prerequisite: SCUL 658. RSH.

SCUL 905. Special Problems in Sculpture. 3 Hours.
Individual research in sculpture: course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters. Prerequisite: SCUL 804 and permission of instructor. RSH.

SCUL 960. Sculpture VIII. 3 Hours.
Continuation of SCUL 859. Prerequisite: SCUL 859. RSH.

Courses

TD 130. Introduction to Weaving. 3 Hours.
Specifically for students with limited or no previous experience. Application to art and design principles to four-harness loom structures. Emphasis on the use of color and texture in loom controlled and weaver controlled techniques. Counts only as a studio elective or general elective for a B.F.A. in Art or Design. LAB.

TD 133. Introduction to Fibers. 3 Hours.
Studio exploration of fibers as an art and design form. Techniques include dyeing, spinning yarn, soft sculpture, embellishment, crochet. Open to all university students. LAB.

TD 300. Special Topics in Textiles/Fibers: Thematic Concepts. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104, or permission of instructor. LAB.

TD 313. Fiber Forms. 3 Hours.
Studio exploration of fibers as an art form. Techniques include felting, papermaking, basketry, and dyeing. Prerequisite: ART 101, and ART 130 or ART 133. LAB.

TD 314. Introduction to Weaving. 3 Hours U.
Application of art and design principles to four-harness loom structures. Emphasis on the use of color and texture in loom controlled and weaver controlled techniques. Prerequisite: ART 101, and ART 130 or ART 133. LAB.

TD 315. Textile Handprinting and Resist Processes. 3 Hours U.
Fundamentals of resist and dye techniques on textiles: batik, tie-dye, discharge, and direct application. Prerequisite: ART 101, and ART 130 or ART 133. LAB.

TD 316. Screenprinting Textiles. 3 Hours.
Design problems in textile printing with emphasis on screenprinting and photo techniques. Prerequisite: ART 101, and ART 130 or ART 133. LAB.

TD 401. Weave Structures. 3 Hours U.
Continuation of TD 314. Research and analysis of multiple-harness weave structures. Weave drafts. Design problems to develop the use of color, form, and surface in simple and compound weaves. Prerequisite: TD 314. LAB.

TD 402. Techniques in Weaving. 3 Hours U.
Development of individual art and design concepts in relation to woven structures and/or forms. Emphasis on weaver-controlled techniques used to create images and composition. Prerequisite: TD 314. LAB.

TD 403. Intermediate Textile Printing. 3 Hours.
Individual problems in textile printing and dyeing processes. Prerequisite: TD 316. LAB.

TD 404. Surface Design. 3 Hours.
Textile pattern design for art and/or industry. Prerequisite: Twelve hours in Visual Art or Design, or permission of the instructor. LAB.

TD 414. Experimental Concepts in Weaving. 3 Hours.
Experimentation with resist dyeing, painted warps and/or "Fiber Forms" techniques in woven structures. Individual research and development of thematic concepts. Prerequisite: TD 313, and TD 301 or TD 302. LAB.

TD 500. Advanced Special Topics in Textiles/Fibers: Thematic Concepts. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Textiles/Fibers courses, or permission of instructor. LAB.

TD 503. Advanced Surface Design/Screenprinting. 1-6 Hours U.
Directed study of advanced surface design and screenprinting methods. May be repeated for credit. Prerequisite: TD 403. IND.

TD 504. History of Textiles, Lecture. 3 Hours.
Study of historical textiles, their design development, and the techniques employed. Prerequisite: Junior standing in department or permission of instructor. LEC.

TD 506. Advanced Fiber Forms. 1-6 Hours U.
Directed study of three-dimensional and off-loom methods and techniques. May be repeated for credit. Prerequisite: TD 313. IND.

TD 514. Advanced Techniques in Weaving. 1-6 Hours U.
Directed study of advanced loom-controlled and weaver-controlled methods. May be repeated for credit. Prerequisite: TD 401 and TD 402. IND.

TD 515. Advanced Textiles/Fibers I. 3-6 Hours AE61.
Development of individual direction in textiles based on experience, research, and skills acquired in preceding courses; capstone experience. Prerequisite: Twenty-four credits in Textiles/Fibers and consent of instructor. LAB.

TD 520. Advanced Textiles/Fibers II. 3-6 Hours AE61.
Continuation of TD 515, capstone experience. Prerequisite: TD 515. LAB.

TD 590. Internship in Textiles/Fibers. 1-3 Hours U.
Practical experience in the use of artistic skills in approved and supervised academic or professional settings. May be repeated for credit; no more than six months may be applied to the B.A. or B.F.A. degree. Credit hours are graded on a satisfactory/unsatisfactory basis, according to the written recommendation provided by the internship supervisor to the faculty advisor. Prerequisite: ART 102, ART 103, and ART 104; and fifteen hours of Visual Art courses. INT.

TD 599. Individual Studies in Textiles/Fibers. 1-6 Hours AE61 / U.
Individual studio activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours can apply toward the bachelor's degree. Prerequisite: ART 102, ART 103, and ART 104; and twelve hours of Textiles/Fibers courses, or permission of instructor. IND.

TD 715. Textile Design in Weaving, Printing, and Dyeing. 2-6 Hours.
Individual research. Prerequisite: TD 520 or TD 525 or equivalent. RSH.
TD 750. Graduate Seminar. 0.5 Hours.
Discussion of issues and/or work in textiles. Graded on satisfactory/unsatisfactory basis. LEC.

TD 815. Textile Design in Weaving, Printing, and Dyeing. 2-6 Hours.
Continuation of TD 715. RSH.

Courses

VAE 100. Introduction to the Profession of Art Education. 3 Hours.
This course is designed to acquaint students with the profession of art education by helping to increase an awareness of the role and characteristics of an effective art teacher. Large and small group activities and assignments are dispersed throughout the semester to facilitate these outcomes. Students are involved in observation of and participation with art teachers and pupils in the public school classrooms, which complement course activities and assignments. VAE 100 is a professional course. LEC.

VAE 130. Art and Design in Daily Life. 3 Hours U.
The course aims to develop students’ appreciation of designed objects in contemporary life whether they are historical icons or everyday items in the immediate environment. The instructional materials and activities assist students in acquiring the knowledge and skills for critically analyzing, discussing, and evaluating objects. Course content is interdisciplinary with a focus on design history. The class is open to all students and is relevant to those who have taken classes in art, design, architecture, and art history. Not open to students with credit in VAE 530.

VAE 300. Special Topics in Visual Art Education: ______. 3 Hours U.
Course to be offered in an area of special interest to individual faculty and qualified students. (This course is not regularly offered. The current Schedule of Classes should be consulted.) May be repeated for credit. Prerequisite: ART 102, ART 103, and ART 104, or permission of instructor. LEC.

VAE 320. Instruction and Curriculum I. 3 Hours.
This methods course provides an overview of the professional practices of K-12 art educators. Course content deals with the art education program, K-12, in relationship to the rest of the curriculum. This encompasses goals, objective sequence, courses offered at various levels, finance, staffing and administration. Prerequisite: Junior standing or consent of the instructor. LEC.

VAE 325. Education in Multicultural Society. 2 Hours.
The course is designed to provide the student with an awareness of and sensitivity to the concept of multicultural education. Topics related to the rationale for and processes of providing a multicultural perspective within the schools will be addressed. Field experiences will be structured to provide students with opportunities to observe the diversity within our society. LEC.

VAE 330. Fundamentals of Art. 3 Hours.
An introduction to art designed for the general university student. Designed to facilitate understanding and viewing works of art. Basic information including elements and principles of art, materials and techniques used by artists, and the function of art in society. LEC.

VAE 341. Instructional Strategies in Art for Elementary Classroom Teachers. 2 Hours.
Child growth and development in art. Materials as they relate to a sequential art education curriculum in the elementary school. Prerequisite: Admission to the School of Education or the education division of the graduate school. LEC.

VAE 395. Community Collaborations in Art Education. 3 Hours U.
A focused examination of existing community organizations, models, and resources alongside collaborative strategies for working with these entities to achieve common goals for art education. Students in this class will learn of collaborative community models, explore entrepreneurial and other educational initiatives that contribute to the general purpose of art education, and recognize the role of families and other community members in contributing to the arts. LEC.

VAE 410. Instruction and Curriculum II. 3 Hours.
This methods course provides an overview of the professional practices of K-12 art educators. Course content deals with the art education program, K-12, in relationship to the rest of the curriculum. This encompasses goals, objective sequence, courses offered at various levels, finance, staffing and administration. Prerequisite: Junior standing or consent of the instructor. LEC.

VAE 420. Artistic Media and Processes in Art Education. 3 Hours.
Building on course content in VAE 320, this course concentrates on instructional strategies and presentation models in art education. Students examine and explore the media appropriate to teaching art in various settings and levels as well as how art program budgets are derived and impact overall curriculum development. Prerequisite: VAE 320 or permission of instructor. LEC.

VAE 497. Independent Study. 1-3 Hours.
Only one enrollment permitted each semester; a maximum of four hours will apply toward the bachelor’s degree. Prerequisite: Recommendation of advisor and consent of instructor. IND.

VAE 500. Student Teaching. 9 Hours AE61.
A supervised teaching experience in an approved school setting, with level and subject area to be selected according to the teaching field. Individual activity; capstone experience. Course content to be determined by the student under supervision of a faculty member. May be repeated for credit in subsequent semesters; a maximum of nine hours can apply toward the bachelor’s degree. Prerequisite: Admission to the student teaching program; and ART 102, ART 103, and ART 104; and twelve hours of Visual Art Education courses, or permission of instructor. FLD.

VAE 520. Instructional Technology in Art Education. 3 Hours.
This course addresses technology that is pertinent to professional art educators. Students use technology to develop a professional portfolio and technology-related resources for teaching art in Pre-K-12 schools and community settings. LEC.

VAE 530. Art and Design in Daily Life. 3 Hours.
The course aims to develop students’ appreciation of designed objects in contemporary life whether they are historical icons or everyday items in the immediate environment. The instructional materials and activities assist students in acquiring the knowledge and skills for critically analyzing, discussing, and evaluating objects. Course content is interdisciplinary with a focus on design history. The class is open to all students and is relevant to those who have taken classes in art, design, architecture, and art history. Not open to students with credit in VAE 130.

VAE 596. Practicum in Teaching Art. 2 Hours.
A supervised art teaching practicum in which students will learn to employ different teaching strategies with children pre-school through high school in the school or museum setting. Prerequisite: VAE 320, VAE 410, VAE 795 or consent of instructor. LEC.

VAE 598. Special Course: ______. 1-5 Hours.
A special course of study to meet current needs of education students; primarily for undergraduates. LEC.
VAE 599. Community Based Project in Art Education. 1-6 Hours
AE61 / U.
Individual activity and project that serves as an alternate capstone experience to VAE 500 (Student Teaching). Will involve the development of an independent, community-based arts education project developed by the student under the supervision of a VAE faculty member. Prerequisite: Forty credits of Visual Art, fifteen credits of Visual Art Education Courses, and permission of the instructor. IND.

VAE 600. Evaluation and Measurement in Art Education. 3 Hours.
An introduction to the concepts and skills for the development and implementation of evaluation procedures for art education. Topics will include the development of student evaluation, the relationship between instructional objectives and evaluation, various evaluation techniques for art education, grading, and providing grades and feedback (to) students, parents, and schools. Prerequisite: VAE 320 and VAE 410. LEC.

VAE 680. Internship in Teaching Art. 5-16 Hours.
A supervised internship experience leading to initial art teacher certification. The student assumes the total professional role as a teacher of art in an approved school setting. INT.

VAE 698. Education of Women in the Arts. 2-3 Hours.
This course will examine the education of women in the arts at all levels of schooling (preschool, primary, secondary, and university) and in nonformal settings (art clubs, women's leagues, tutoring, etc.). The intent is to further a historical and contemporary based understanding of gender characteristics and discrimination as they affect the education of women in the arts. Students enrolled in three hours credit will be required to write a case study on the education of a woman artist. LEC.

VAE 710. Assessment in Art Education. 3 Hours.
The course is designed to introduce students to evaluation procedures in art education as they apply to public school teaching K-12. The material will incorporate methods of evaluating student learning in art, the effectiveness of instruction, the designing of instruments, grading procedures including the provision of feedback to students, parents, and schools. Concepts and skills for both formative and summative evaluation will be related to the development of objectives, instruction, and curriculum development as a whole. LEC.

VAE 716. Teaching Art: _____, 1-4 Hours.
Instructional techniques, methodology, materials, and evaluation. Processes for the specific art area named. May be repeated for credit in different media. LEC.

VAE 750. Introduction to Art Museum Education. 1-4 Hours.
This course provides a general overview to the museum education field. Course readings include current ideas and issues on learning, art education, criticism, the museum in education, and museum education practices. LEC.

VAE 774. Art for Exceptional Children. 2 Hours.
A study of the psychology, philosophy, content, and media in art expression and its relationship to mental and creative growth with exceptional children. Prerequisite: SPED 741, which may be taken concurrently. LEC.

VAE 800. Visual Art Education Curriculum Development. 1-3 Hours.
A study of research, resources, and media as they relate to learning goals in a sequential art curriculum for use by teachers. The amount of credit reflects the extent of the curriculum being developed and the amount of work involved in the development process. LEC.

VAE 825. Seminar in: _____, 1-4 Hours.
LEC.

VAE 830. Seminar in: _____, 1-4 Hours.
LEC.

VAE 842. Teaching Art Criticism. 3 Hours.
An examination of the four phases of art criticism (description, analysis, interpretation and judgment) will be followed by practice in using these phases in the development of effective art curriculum for all developmental levels. Prerequisite: PRE 702 and PRE 704 or equivalents. LEC.

VAE 850. Aesthetics, the Arts and Education. 3 Hours.
Theoretical introduction to the problems involved in teaching critical appreciation of the arts; examination of materials from aesthetics, art history, and criticism. LEC.

VAE 869. History of Art Education. 3 Hours.
A study of the historical development of art education. Prerequisite: Nine hours of education. LEC.

VAE 875. Research in Art Education. 3 Hours.
This course examines the issues and procedures commonly used to conduct research in art education in preparation for students' graduate theses or projects. Research methods are adapted and applied to students' professional needs and interests in the form of a research proposal. LEC.

VAE 890. Preparation for the M.A. Examination. 1 Hour.
An independent reading course in preparation for the M.A. Examination. The grade will be an S or U, as determined by the performance on the examination. The examination will be evaluated separately. Prerequisite: Permission of the instructor. LEC.

VAE 895. Field Experience in: _____, 1-6 Hours.
Supervised and directed experiences in selected professional settings and cooperating agencies. Prerequisite: Permission of instructor. FLD.

VAE 897. Independent Study. 1-4 Hours.
Prerequisite: Consent of advisor and instructor. RSH.

VAE 898. Master's Project. 1-4 Hours.
RSH.

VAE 899. Master's Thesis. 1-6 Hours.
THE.

VAE 900. Supervision and Evaluation of Visual Arts Programs. 3 Hours.
A study of the administration of school, museum, and community arts education programs. Topics will include curriculum development, personnel supervision, finance, and the quantitative and qualitative evaluation of arts programs. Prerequisite: TL 703 or equivalent. LEC.
VAE 929. Research in Art Education. 3 Hours.
An examination of research methodology in visual arts education. Emphasis will be on philosophical, historical, qualitative, and quantitative research development. Prerequisite: PRE 715 or equivalent. LEC.

VAE 949. Artistic Learning and Development. 3 Hours.
Research from psychology, sociology, and anthropology will be examined for its implications for the artistic development of the child. Topics include cross-cultural and age comparisons of children’s graphic symbol development, aesthetic judgments, and perceptual skills. Prerequisite: PRE 702 and PRE 704 or equivalents. LEC.

VAE 995. Field Experience in: _____. 1-5 Hours.
Supervised and directed experiences in selected educational settings. The advisor will schedule regular observations of the field experience and conferences with the student. Written summaries and evaluations of the field experiences will be prepared independently by the student, a representative of the cooperating agency, and the advisor. Open only to advanced students. Field experience credit in any one semester may not exceed five hours, and total credit may not exceed eight hours. LEC.

VAE 996. College Teaching Experience in: _____. 2 Hours.
To meet the college teaching experience requirement for doctoral programs, a student shall engage in a semester long, planned, instructional activity that shall include college classroom teaching under supervision. Planning shall be done with the advisor and/or member of the faculty who will supervise the experience. The activity shall be done under the supervision of a member of the University of Kansas faculty or by an individual or individuals designated by the candidate’s committee. RSH.

VAE 997. Individual Study. 1-4 Hours.
Prerequisite: Prior graduate course work in the area of study and consent of instructor. RSH.

VAE 998. Seminar in: _____. 1-4 Hours.
LEC.

VAE 999. Doctoral Dissertation. 1-15 Hours.
THE.