DESIGN STUDIES (DS)

DS 101 — INTRODUCTION TO TEXTILE DESIGN
3 credits.

This survey class will be an introduction to the technical and conceptual ways of working in Textile Design. Students will participate in three five week modules: one module introducing print and dye concerns, one module introducing off-loom processes, and one module introducing structural enrichment techniques and concepts. Each module will include a series of introductory exercises leading to a final larger project. The work in each module will be supported by short readings and slide lectures highlighting historical and contemporary work. Course fee: yes.

Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2017

DS 120 — DESIGN: FUNDAMENTALS I
3 credits.

Elements and principles of design. Lecture and studio experience relevant to design of the visual environment.

Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2017

DS 130 — INTRODUCTION TO INTERIOR ARCHITECTURE
3 credits.

This course is an introduction to interior architecture, as a discipline and as a profession. We will examine the ways in which interior environments impact our lives, and the challenges and responsibilities faced by those who work in this field. Topics include: the history of interior design as a profession; the increased professionalization of interior design; the relation of interior design to other design disciplines (such as architecture and furniture design); the social, economic, and environmental issues that impact design; the role of emerging technologies (including digital media); design research and documentation; the elements and principles of design; the identification and observation of quality work in both commercial and residential settings; contemporary trends in taste and aesthetics; and the application of design research methods to a real-world project. This course will provide students with the foundation necessary to continue as interior architecture majors.

Requisites: None
Repeatable for Credit: No
Last Taught: Spring 2017

DS 153 — FABRIC AND APPAREL STRUCTURES I
3 credits.

Introduction to the physical and aesthetic properties of fiber, yarn and fabric and to the fundamentals of apparel structure in the context of apparel design. Lectures and studio projects explore the interrelationship of fabric, design, and apparel construction.

Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2017

DS 154 — PROCESSES FOR APPAREL DESIGN: CLOTHING CONSTRUCTION II
3 credits.

Analysis of fabric suitability in relation to silhouette, target market and consumer end use. Fabrication and construction of a line of apparel for a specified individual and purpose. Emphasis on fabrics requiring special handling. Advanced construction techniques are introduced.

Requisites: DS 153
Repeatable for Credit: No
Last Taught: Spring 2017

DS 210 — FASHION ILLUSTRATION
3 credits.

Introduction to visual communication of apparel design concepts using selected media. Focus is on drawing the fashion figure, using special techniques, with emphasis on the relationship of figure, garment, fabric, texture, and pattern.

Requisites: DS 120 and DS 154
Repeatable for Credit: No
Last Taught: Fall 2017

DS 215 — PATTERNMAKING FOR 3D FORMS
3 credits.

The principles and theories of flat pattern, drafting and draping methods for 3D accessories are explored. The principles of patternmaking are applied to headwear, handbags and footwear. Students complete projects that require designing, patterning and constructing hats, bags and footwear.

Requisites: DS 153
Repeatable for Credit: No
Last Taught: Spring 2017

DS 220 — DESIGN: FUNDAMENTALS II
3 credits.

Elements and principles of three-dimensional design. Lecture and studio experience relevant to design and analysis of the spatial environment.

Requisites: DS 120 and (ME 160 or ART 112)
Repeatable for Credit: No
Last Taught: Spring 2017

DS 221 — PERSON AND ENVIRONMENT INTERACTIONS
3 credits.

Effects of building and outdoor spaces on people over the life course.

Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2017

DS 222 — INTERIOR DESIGN I
4 credits.

Understanding and applying the process of solving design problems of interiors. Space planning; selection and use of furnishings and materials; preparation of presentations.

Requisites: DS 220 and declared in Interior Architecture program
Repeatable for Credit: No
Last Taught: Fall 2017
**DS 223 — INTERIOR ARCHITECTURAL DESIGN**
3 credits.

Building components, construction, interpretation of working drawing, and the process of project development.

**Requisites:** DS 222

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

**DS 224 — INTERIOR MATERIALS AND FINISHES**
3 credits.

The materials used in interior environments are immense, diverse and constantly changing. This course will focus on the composition of materials, their uses, and how they affect human health and well being.

**Requisites:** Declared in Interior Architecture program

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

**DS 225 — APPAREL DESIGN I**
3 credits.

Basic principles and elements of design as they apply to apparel. Emphasizing both process and product, students analyze fashion trends and practical problems while developing and executing original designs.

**Requisites:** DS 210 and 253

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

**DS/ART 226 — TEXTILE DESIGN: OFF-LOOM CONSTRUCTION**
3 credits.

Studio design problems in two and three dimensional off-loom constructions; off-loom weaving, looping, and knotting; historical reference and contemporary application.

**Requisites:** DS 120 and 153

**Repeatable for Credit:** No

**Last Taught:** Spring 2015

**DS 227 — TEXTILE DESIGN: PRINTING AND DYING I**
3 credits.

Surface design developed in print and resist techniques using historic and contemporary methods.

**Requisites:** DS 120 and 153

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

**DS 228 — TEXTILE DESIGN: STRUCTURAL ENRICHMENT I**
3 credits.

Historic and contemporary design techniques creating structural enrichment of textiles.

**Requisites:** DS 120 and 153

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

**DS/ART 229 — TEXTILE DESIGN: WEAVING I**
3 credits.

Development of individual design solutions within basic weave structures. Historical and technical influence on contemporary woven design.

**Requisites:** DS 120 and 251

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

**DS 241 — VISUAL COMMUNICATION I**
3 credits.

The course focuses on the basic concepts, methods and materials used for communicating ideas during the design process. The course emphasizes creating visually driven experiences, with the goal of giving students the tools to integrate traditional manual approaches with up-to-the-minute digital approaches, all within the context of creative design thinking.

**Requisites:** Declared in Interior Architecture program

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

**DS 242 — VISUAL COMMUNICATION II**
3 credits.

Advanced topics focusing on the concepts, methods and materials used for communicating ideas during the design process. With an emphasis on creating visually driven experiences, the course integrates traditional manual approaches with up-to-the-minute digital approaches, all within the context of creative design thinking.

**Requisites:** DS 241

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

**DS 251 — TEXTILE SCIENCE**
3 credits.


**Requisites:** None

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

**DS 252 — DESIGN LEADERSHIP SYMPOSIUM**
1 credit.

Provides detailed examination of design careers in the fields of textiles, fashion, and apparel design as well as interior design, industrial design, and architecture. High level industry experts from leading companies in the design industry participate as guest speakers and panel members.

**Requisites:** None

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2017

**DS 253 — PATTERNMAKING FOR APPAREL DESIGN**
3 credits.

The theory and principles of pattern making through flat pattern and draping techniques.

**Requisites:** DS 154

**Repeatable for Credit:** No

**Last Taught:** Fall 2017
DS/ANTHRO/ART HIST/HISTORY/LAND ARC 264 — DIMENSIONS OF MATERIAL CULTURE
4 credits.

This course introduces students to the interdisciplinary field of material culture studies. It is intended for students interested in any professional endeavor related to material culture, including careers in museums, galleries, historical societies, historic preservation organizations, and academic institutions. During the semester, students have varied opportunities to engage with and contemplate the material world to which people give meaning and which, in turn, influences their lives. Sessions combine in some way the following: presentations from faculty members and professionals who lecture on a phase of material culture related to his/her own scholarship or other professional work; discussion of foundational readings in the field; visits to collections and sites on campus and around Madison; discussion of readings assigned by visiting presenters or the professors; and exams and short papers that engage material culture topics.
Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2017

DS 270 — DESIGN AND FASHION EVENT PRACTICUM
2 credits.

Addresses the multi-disciplinary production of a student-centered, student-driven design and fashion event. Topics include, creative direction, strategic marketing, stage and performance, visual communication, event organization, audience engagement and event production. Students in this class will gain knowledge, skills and hands-on experience implementing a large-scale art event. Emphasizes teamwork and fosters multi-disciplinary appreciation.
Requisites: None
Repeatable for Credit: No

DS 299 — INDEPENDENT STUDY
1-3 credits.

Directed study projects for freshmen and sophomores as arranged with a faculty member.
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

DS 319 — CLOTH TO CLOTHING
3 credits.

This studio class will explore specific dye and manipulation techniques that directly relate to integrated textile and garment design. Working with color, composition and fabric movement we will discuss simple garment shapes and how they can be used in conjunction with expressive textiles.
Requisites: DS 101 and DS 154
Repeatable for Credit: No
Last Taught: Fall 2017

DS 320 — DESIGN: SKETCHING AND RENDERING
4 credits.

Introduction to various drawing media and techniques for visually communicating design concepts.
Requisites: M E 160 and ART 112
Repeatable for Credit: No
Last Taught: Fall 2012
DS/BSE/LAND ARC 356 — SUSTAINABLE RESIDENTIAL CONSTRUCTION
3 credits.
Properties and use of building materials, framing systems, HVAC systems, code requirements, conservation of natural resources in building construction and operation.
Requisites: MATH 112, 114, or 171
Repeatable for Credit: No
Last Taught: Spring 2016

DS 360 — GLOBAL PERSPECTIVES ON DESIGN AND CULTURE
3 credits.
Explores how design reflects/encodes culture through cross-cultural examination of living environments and ways groups accommodate universal human needs such as seating and baby-carrying. Considers inter-cultural design interfaces and uses a design perspective to look at globalization issues.
Requisites: DS 120
Repeatable for Credit: No
Last Taught: Fall 2010

DS 361 — DESIGN-RELATED INTERNATIONAL EXPERIENCE
1-6 credits.
In-depth study of art/design concepts and/or practice in a specific culture. Each class looks at cultural issues through a particularized design-related lens. Students live and work in the country they are studying.
Requisites: DS 120 or ART 104
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

DS/ART HIST 363 — AMERICAN DECORATIVE ARTS AND INTERIORS:
1620-1840
3-4 credits.
Interdisciplinary study of the design, production, and consumption of household objects and their American domestic settings, 17th through the early 19th centuries.
Requisites: Sophomore standing
Repeatable for Credit: No
Last Taught: Fall 2008

DS 421 — HISTORY OF ARCHITECTURE AND INTERIORS I: ANTIQUITY THROUGH 18TH CENTURY
3 credits.
This course surveys the history of architecture, interiors, furnishings and decorative arts from antiquity to the mid-19th century. Lectures and readings introduce major design cultures and movements, emphasizing the role of social, economic, political, technological, and aesthetic factors in the shaping design.
Requisites: DS 120 or (ART HIST 201 and ART HIST 202)
Repeatable for Credit: No
Last Taught: Fall 2017

DS 422 — HISTORY OF ARCHITECTURE & INTERIORS II: 19TH AND 20TH CENTURIES
3 credits.
This course surveys the history of architecture, interiors, furnishings and decorative arts from the mid-19th to the mid-20th century. Lectures and readings introduce major design cultures and movements, emphasizing the role of social, economic, political, technological, and aesthetic factors in the shaping design.
Requisites: DS 421 or (ART HIST 201 and 202)
Repeatable for Credit: No
Last Taught: Spring 2017

DS 425 — APPAREL DESIGN II
3 credits.
Development and execution of designs for special audiences. Examines sources of inspiration, selection of fabrics, decorative detailing and accessories. Emphasizes the importance of ability to visualize and express one's ideas verbally and through the use of technical flats and sketches.
Requisites: DS 225
Repeatable for Credit: No
Last Taught: Fall 2008

DS 427 — TEXTILE DESIGN: PRINTING AND DYEING II
3 credits.
Focuses on silkscreen printing. Discharge, burnout, and chemical resist processes, specific to screen printing, will be introduced. Students will be asked to develop conceptual ideas and explore alternative ways of producing images.
Requisites: DS 227 and 327
Repeatable for Credit: No
Last Taught: Spring 2015

DS 428 — TEXTILE DESIGN: STRUCTURAL ENRICHMENT II
3 credits.
Structural enrichment of textiles including historic and contemporary design techniques. Historic resource material and adaptation of techniques for original expression.
Requisites: DS 228
Repeatable for Credit: No
Last Taught: Spring 2010
**DS 429 — TEXTILE DESIGN: WEAVING II**
3 credits.

Analysis of complex or compound hand weave techniques. Individual development of solutions to problems of structural textile design.

**Requisites:** ART/DS/ART 229

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

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**DS 430 — HISTORY OF TEXTILES**
3 credits.

Designs and meanings and interrelationships of textiles in selected cultures and time periods.

**Requisites:** None

**Repeatable for Credit:** No

**Last Taught:** Spring 2015

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**DS 451 — COLOR THEORY AND TECHNOLOGY**
3 credits.

Color technology and its impact on a variety of scientific and design oriented fields are discussed. Emphasis is placed on the spectrophotometric measurement of color and the use of computer technology to create, analyze and match color.

**Requisites:** Satisfied Quantitative Reasoning (QR) A requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

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**DS/ART HIST/HISTORY 464 — DIMENSIONS OF MATERIAL CULTURE**
3 credits.

Approaches to the interdisciplinary study of the material world in order to analyze broader social and cultural issues. Guest speakers explore private and public objects and spaces from historic, ethnographic, and aesthetic perspectives.

**Requisites:** One course 300-level or higher in ART HIST or DS

**Repeatable for Credit:** No

**Last Taught:** Fall 2012

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**DS 469 — INTERDISCIPLINARY STUDIES IN THE ARTS**
1-4 credits.

Guest artists will offer interdisciplinary courses on topics appropriate to their specializations.

**Requisites:** Consent of instructor

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2017

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**DS 501 — SPECIAL TOPICS**
1-3 credits.

Specialized subject matter of current interest to undergraduate students.

**Requisites:** Prerequisites vary by topic

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Fall 2017

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**DS/FOLKLORE 512 — MATERIAL CULTURE ANALYSIS: THE ARTS AND THE CONSUMER SOCIETY**
3 credits.

The meanings of objects—both art objects and consumer goods. Interactions between people and objects; “decoding” objects as primary sources of information about the people/cultures that make and use them.

**Requisites:** Junior standing

**Repeatable for Credit:** No

**Last Taught:** Spring 2010

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**DS 527 — GLOBAL ARTISANS**
3 credits.

In the field of design, there has been an increased emphasis on ethical practices in production and consumption. Utilizing “design thinking”, students in this project-based survey course will be exposed to important issues surrounding small-scale artisan production and develop valuable hands-on skills working with artisan partners through design, quality control, branding and story-telling. Topics may include: fair trade development, product design, cultural implications, as well as pricing, marketing, and sales.

**Requisites:** Junior standing

**Repeatable for Credit:** Yes, unlimited number of completions

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**DS 528 — EXPERIMENTAL TEXTILE DESIGN**
2-3 credits.

Experimental design and decorative principles; elements and techniques for the animation of textile surfaces.

**Requisites:** None

**Repeatable for Credit:** No

**Last Taught:** Fall 2017

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**DS 529 — BUILDING A SUSTAINABLE CREATIVE PRACTICE**
3 credits.

Artists and designers’ material choices influence the content, social meaning, and physical structure of their work, as well as leaving an environmental footprint and affecting social exchange. Beginning with the consideration of reuse and recycling, students in this studio class will critically engage ideas of sustainability in art making and design practice with an emphasis on fiber related topics including textile and apparel design, soft sculpture, papermaking and book arts, as well as exhibition, installation, and/or the distribution of finished works.

**Requisites:** Junior standing

**Repeatable for Credit:** No

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**DS 545 — PLACEMAKING**
3 credits.

Studies the affective qualities of man-made environments. Seeks understanding of specific qualities found in environments and the conditions that produce them. Students are encouraged to develop and implement a personal design philosophy.

**Requisites:** Junior standing and declared in Interior Architecture

**Repeatable for Credit:** No

**Last Taught:** Fall 2011
DS 561 — TEXTILES: SPECIFICATIONS AND END USE ANALYSIS
3 credits.
Physical textile testings are studied. Emphasis is placed on the evaluation of textiles intended for use as apparel and for interiors. Writing specifications, and minimum performance standards are also discussed.
Requisites: DS 224 or DS 251
Repeatable for Credit: No
Last Taught: Fall 2017

DS 570 — DESIGN AND FASHION EVENT MANAGEMENT
3 credits.
Production of a student-driven, student-centered design and fashion event presents the framework for advanced experience and study for upper-level students. This course provides the opportunity to study and to actively engage in high-level interdisciplinary exploration and collaboration. Transferring discipline-specific skills to a new context, students will learn methods for testing, review, and revision to develop problem-solving skills and communication. The course encourages teamwork as well as crossdisciplinary understanding and appreciation.
Requisites: DS 270
Repeatable for Credit: No

DS/COMP SCI 579 — VIRTUAL REALITY
3 credits.
Introduces students to the field of virtual reality and focuses on creating immersive, interactive virtual experiences. Survey topics include historical perspectives on virtual reality technology, computer graphics and 3D modeling, human perception and psychology, human computer interaction and user interface design. This course is designed for students with backgrounds in Computer Science, Engineering, Art, Architecture and Design. Students will work in interdisciplinary teams on projects, culminating in a final event that will be showcased to the public. While not an official usite, the class will be technologically motivated; therefore students should be comfortable learning new software. The class will utilize publicly available game design software which provides tools and services for the creation of interactive content. While not necessary, students may find it helpful to have taken classes in programming and computer graphics (such COMP SCI 559: Computer Graphics) or in 3D modeling (such as ART 429: 3D Digital Studio I or DS 242: Visual Communication II).
Requisites: Sophomore standing
Repeatable for Credit: No
Last Taught: Fall 2016

DS 601 — INTERNSHIP
1-8 credits.
Enables students with supervised internships to earn academic credit while engaged in a professional experience in design studies related fields. Course intended for juniors and seniors in Design Studies.
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

DS 610 — APPAREL DESIGN: PROFESSIONAL PRACTICES
3 credits.
Professional orientation for apparel designers.
Requisites: Senior standing
Repeatable for Credit: No
Last Taught: Spring 2013

DS 622 — INTERIOR DESIGN III
4 credits.
Design of commercial interiors with emphasis on design process, programming, space planning, selection of interior materials, furniture, and lighting. Field trip required.
Requisites: DS 322
Repeatable for Credit: No
Last Taught: Fall 2017

DS 623 — INTERIOR DESIGN IV
4 credits.
Design of commercial interiors with emphasis on acoustics, codes, costs, specifications, details, and visual presentation. Field trip required.
Requisites: DS 622
Repeatable for Credit: No
Last Taught: Fall 2017

DS 624 — PORTFOLIO PREPARATION
3 credits.
Portfolio organization and presentation. Development of resume, preparation for interviews, and coverage of professional practice. Senior level portfolio review prerequisite for completion of course.
Requisites: DS 622
Repeatable for Credit: No
Last Taught: Fall 2017

DS 630 — HOUSING ENVIRONMENTS FOR OLDER PEOPLE
3 credits.
Investigation of the environmental needs and design considerations for supportive housing for older people. Housing options are studied in terms of 1) how they support older people of various ages, capabilities, and finances; and 2) the implications of selecting a certain housing option.
Requisites: Junior standing
Repeatable for Credit: No
Last Taught: Fall 2008

DS 633 — ADVANCED INTERIOR AND ARCHITECTURAL DESIGN VISUALIZATION
3 credits.
Computer aided design (CAD) and computer visualization explored as interior and architectural design tools. Simulation and analysis of 3D environments.
Requisites: DS 120 and M E 160
Repeatable for Credit: No
Last Taught: Fall 2010
DS/LAND ARC 639 — CULTURE AND BUILT ENVIRONMENT
3 credits.

The course explores cultural values embedded in buildings through understanding physical configurations, social organizations, practiced/symbolic/representational aspects of buildings. The course covers a wide range of cultures and the built environments they produce including examples from the Americas, the Middle East, as well as those of the many ethnic minorities in the U.S.

Requisites: Junior standing
Repeatable for Credit: No
Last Taught: Fall 2015

DS/FOLKLORE 640 — TOPICS IN ETHNOGRAPHIC TEXTILES
3 credits.

Ethnographic survey of non-western textiles; technological, aesthetic, functional, and historical aspects. Geographical area varies: African, East Asian, Southeast Asian, Ibero-American or Native American textiles.

Requisites: DS 430
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2011

DS 642 — TASTE
3 credits.

Exploration of the idea of taste - both "good" and "bad", in "popular" and "high" culture. Cross-cultural readings from theoretical and historical perspectives, relating to architecture, landscape, public space, art, and clothing.

Requisites: Graduate or professional standing
Repeatable for Credit: No
Last Taught: Fall 2015

DS/FOLKLORE 655 — COMPARATIVE WORLD DRESS
3 credits.

Variations in form, function and meaning of dress in diverse social and cultural contexts; dress as an art form.

Requisites: Junior standing
Repeatable for Credit: No
Last Taught: Fall 2015

DS 680 — SENIOR HONORS THESIS
2-4 credits.

Individual study for seniors completing theses for Human Ecology honors degrees as arranged with a faculty member.

Requisites: Consent of instructor
Course Designation: Honors - Honors Only Courses (H)
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2016

DS 690 — SENIOR THESIS
2-4 credits.

Individual study for seniors completing theses as arranged with a faculty member.

Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

DS 699 — INDEPENDENT STUDY
1-6 credits.

Directed study projects for juniors and seniors as arranged with a faculty member.

Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

DS 720 — LITERATURE OF DESIGN THEORY
3 credits.

Theories from basic disciplines pertinent to design fields such as applied and decorative art. A range of conceptual approaches for studying the material artifact.

Requisites: Graduate or professional standing
Repeatable for Credit: No
Last Taught: Fall 2008

DS/ANTHRO/ART HIST/HISTORY/LAND ARC 764 — DIMENSIONS OF MATERIAL CULTURE
4 credits.

This course introduces students to the interdisciplinary field of material culture studies. It is intended for students interested in any professional endeavor related to material culture, including careers in museums, galleries, historical societies, historic preservation organizations, and academic institutions. During the semester, students have varied opportunities to engage with and contemplate the material world to which people give meaning and which, in turn, influences their lives. Sessions combine in some way the following: presentations from faculty members and professionals who lecture on a phase of material culture related to his/her own scholarship or other professional work; discussion of foundational readings in the field; visits to collections and sites on campus and around Madison; discussion of readings assigned by visiting presenters or the professors; and exams and short papers that engage material culture topics.

Requisites: Graduate or professional standing
Repeatable for Credit: No
Last Taught: Fall 2017

DS 920 — SEMINAR IN DESIGN STUDIES
1-3 credits.

This course is intended as forum for Design Studies graduate students to discuss issues in contemporary art and design.

Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

DS/F&W ECOL/URB R PL 955 — PRACTICAL RESEARCH DESIGN AND METHODS OF EMPIRICAL INQUIRY
3 credits.

Provides a practical introduction to basic concepts of research question formulation, research designs and alternative methods of inquiry, implications for internal validity of the research and generalizability of the findings, operational definitions and measurement validity, reliability, utility and precision.

Requisites: Graduate or professional standing
Repeatable for Credit: No
Last Taught: Spring 2014
DS 990 — RESEARCH AND THESIS
1-12 credits.
Independent research and writing for graduate students under the supervision of a faculty member.
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

DS 999 — INDEPENDENT STUDY
1-3 credits.
Directed study projects for graduate students as arranged with a faculty member.
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017