**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. Enroll Info: None

Requisites: None
Repeateable for Credit: No
Last Taught: Spring 2020

**DS 120 — DESIGN: FUNDAMENTALS I**
3 credits.

Elements and principles of design. Lecture and studio experience relevant to design of the visual environment. Enroll Info: None

Requisites: None
Course Designation: Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeateable for Credit: No
Last Taught: Spring 2020

**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. Enroll Info: None

Requisites: None
Repeateable for Credit: No
Last Taught: Fall 2019

**DS 153 — SEWN CONSTRUCTION I**
3 credits.

Introduces the principles of sewn construction and addresses the physical and aesthetic properties of fiber and fabrics in the context of apparel design. The studios address skills necessary to plan and construct basic garments. Lectures, hands-on studios, and critiques explore the fundamentals of apparel structure and emphasize the interrelationship of fabric, design and apparel construction as well as the creative, expressive potential of materials and making. Enroll Info: None

Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2019

**DS 154 — SEWN CONSTRUCTION II**
3 credits.

Emphasizes specialty fabrics, finishes and complex construction such as matching plaids and working with pile fabrics. Introduces pattern manipulation through basic flat patternmaking principles. Design and fabricate an original collection of garments for a target customer and will develop and construct two of the garments. Enroll Info: None

Requisites: DS 153
Repeatable for Credit: No
Last Taught: Spring 2020

**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. Enroll Info: None

Requisites: DS 120 and DS 154
Repeatable for Credit: No
Last Taught: Fall 2019

**DS 215 — PATTERNMAKING FOR ACCESSORIES**
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. Enroll Info: None

Requisites: DS 153
Repeatable for Credit: No
Last Taught: Spring 2020

**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. Enroll Info: None

Requisites: DS 120 and (M E 160 or ART 112)
Repeatable for Credit: No
Last Taught: Spring 2020
DS 221 — PERSON AND ENVIRONMENT INTERACTIONS
3 credits.
Effects of building and outdoor spaces on people over the life course.
Enroll Info: None
Requisites: None
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: DS 220 and declared in Interior Architecture program
Repeatable for Credit: No
Last Taught: Fall 2019

DS 223 — INTERIOR ARCHITECTURAL DESIGN
3 credits.
Building components, construction, interpretation of working drawing, and the process of project development. Enroll Info: None
Requisites: DS 222
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: Declared in Interior Architecture program
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: DS 210 and 253
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: DS 120 and 153
Course Designation: Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2015

DS 227 — TEXTILE DESIGN: PRINTING AND DYEING I
3 credits.
Surface design developed in print and resist techniques using historic and contemporary methods. Enroll Info: None
Requisites: DS 120 and 153
Repeatable for Credit: No
Last Taught: Spring 2020

DS 228 — TEXTILE EMBELLISHMENT I
3 credits.
Classic and contemporary design techniques for embellishing textiles; including embroidery, beadwork and appliqué. Enroll Info: None
Requisites: None
Repeatable for Credit: No
Last Taught: Spring 2020

DS/ART 229 — TEXTILE DESIGN: WEAVING I
3 credits.
The relationship of hand weaving to textural surfaces and sculptural forms are examined through the study of problems including structure, pattern, composition, and additional conceptual technical possibilities. Content is explored in the development of individual direction and in relationship to the discussion of historical and contemporary textiles and other works of art. Allows students to pursue an advanced investigation of concept and technique of hand-woven cloth. Enroll Info: None
Requisites: None
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: Declared in Interior Architecture program
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: DS 241
Repeatable for Credit: No
Last Taught: Spring 2020
DS 251 — TEXTILE SCIENCE  
3 credits.

Requisites: None
Course Designation: Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

DS 253 — PATTERNMAKING FOR APPAREL DESIGN  
3 credits.

The theory and principles of pattern making through flat pattern and draping techniques. Enroll Info: None
Requisites: DS 154
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: None
Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: None
Repeatable for Credit: No
Last Taught: Spring 2020

DS 299 — INDEPENDENT STUDY  
1-3 credits.

Directed study projects for freshmen and sophomores as arranged with a faculty member. Enroll Info: None
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2019

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. Enroll Info: None
Requisites: DS 101 and DS 154
Repeatable for Credit: No
Last Taught: Fall 2019

DS 320 — DESIGN: SKETCHING AND RENDERING  
4 credits.

Introduction to various drawing media and techniques for visually communicating design concepts. Enroll Info: None
Requisites: M E 160 and ART 112
Repeatable for Credit: No
Last Taught: Fall 2012

DS 322 — INTERIOR DESIGN II  
4 credits.

Design of residential interiors including space planning, lighting design, selections of materials and furniture, professional communication of design solutions. Emphasis on the aesthetic and functional needs of the family and residents with special needs. Enroll Info: None
Requisites: DS 222
Repeatable for Credit: No
Last Taught: Spring 2020
DS 323 — COMPUTER AIDED DESIGN: ARCHITECTURE AND INTERIORS
3 credits.

The class emphasized the use of CAD (Computer Aided Design) as a design/problem solving method, and as a means of creating both construction documents and presentation drawings. Three dimensional CAD drawings are created using both parallel and perspective projection techniques. Enroll Info: None
Requisites: M E 160
Repeatable for Credit: No
Last Taught: Fall 2012

DS 327 — TEXTILE DESIGN: MANUAL/COMPUTER GENERATED IMAGERY AND PATTERN
3 credits.

Pattern design for textiles, wallpaper and other applications (motif, layout, repeats, colorways, coordinates), using various manual and digital creation methods. Development of imagery, design concepts, collaboration and presentation. Enroll Info: None
Requisites: DS 120 and DS 227
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2019

DS 341 — DESIGN THINKING FOR TRANSFORMATION
3 credits.

Students will learn design thinking techniques to enhance creative analysis and problem solving. Students will directly apply what they have learned to a variety of human centered design challenges. Students will innovate, prototype, and test designs that address real-world problems with real-world constraints and the limitations of technology. Projects range from ways to improve everyday situations to community issues. Enroll Info: None
Requisites: None
Repeatable for Credit: No
Last Taught: Spring 2020

DS 355 — HISTORY OF FASHION, 1400-PRESENT
3 credits.

Changing form and meaning of costume in the West from Renaissance to present. Dress considered in relation to social/cultural milieu and as an art form. Includes treatment of the body; ethnic/class variations; couture; "antifashion". Enroll Info: None
Requisites: Junior standing
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: MATH 112, 114, or 171
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2016

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. Enroll Info: None
Requisites: DS 120 or ART 104
Repeatable for Credit: Yes, unlimited number of completions

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. Enroll Info: None
Requisites: Sophomore standing
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2020

DS 401 — FIT ACCESSORIES DESIGN
1-6 credits.

Provides equivalency for accessory design courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 402 — FIT ADVERTISING AND MARKETING COMMUNICATIONS
1-6 credits.

Provides equivalency for advertising and marketing communications courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions
DS 403 — FIT COMMUNICATION DESIGN FOUNDATION
1-6 credits.
Provides equivalency for communication design foundation courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 404 — FIT FASHION BUSINESS MANAGEMENT
1-6 credits.
Provides equivalency for fashion business management courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 405 — FIT FASHION DESIGN
1-6 credits.
Provides equivalency for fashion design courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 406 — FIT TEXTILE DESIGN AND SCIENCE
1-6 credits.
Provides equivalency for textile design and science courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 407 — FIT RELATED AREA
1-6 credits.
Provides equivalency for related area courses completed at the Fashion Institute of Technology (FIT) by Textiles Fashion Design majors as part of the FIT visiting student program. Enroll Info: This is not a course that can be enrolled in at UW-Madison
Requisites: None
Repeatable for Credit: Yes, unlimited number of completions

DS 420 — TWENTIETH CENTURY DESIGN
3 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. Enroll Info: None
Requisites: DS 120 or ART 104
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2012

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. Enroll Info: None
Requisites: DS 120 or (ART HIST 201 and ART HIST 202)
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: DS 421 or (ART HIST 201 and 202)
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2019

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. Enroll Info: None
Requisites: DS 227 and 327
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

DS 428 — TEXTILE EMBELLISHMENT II
3 credits.
Opportunity to continue creative research introduced in Textile Embellishment I, with a special emphasis on student driven design. Advance skill and vision using traditional and experimental ways of altering and enriching the surface of pliable materials using techniques such as stitching, embroidery, beading, and fabric collage. Identify and pursue individual conceptual concerns. Readings, formal and informal presentations, group and individual critiques will support the work. Presentation of research will include formal power point talks and physical presentation of the completed textile works. Enroll Info: None
Requisites: DS 228
Repeatable for Credit: No
Last Taught: Spring 2020
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. Enroll Info: None
Requisites: DS/ART 229
Repeatable for Credit: No
Last Taught: Spring 2020

DS 430 — HISTORY OF TEXTILES
3 credits.
Designs and meanings and interrelationships of textiles in selected cultures and time periods. Enroll Info: None
Requisites: None
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: Satisfied Quantitative Reasoning (QR) A requirement
Course Designation: Gen Ed - Humanities
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: One course 300-level or higher in ART HIST or DS
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2012

DS 501 — SPECIAL TOPICS
1-3 credits.
Specialized subject matter of current interest to undergraduate students. Enroll Info: Requisite varies by topic
Requisites: None
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

DS/COMP SCI/I SY E 518 — WEARABLE TECHNOLOGY
3 credits.
Gives students hands-on experience in building wearable computing platforms. Designed for students who have a background in textiles and apparel design, computer science, engineering or media arts. By the completion of the course students will have fundamental knowledge of electronic circuitry, programming, and "maker skills". Enroll Info: None
Requisites: Sophomore standing
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

DS 519 — COLLECTION DEVELOPMENT
3 credits.
An opportunity for advanced students in Design and Art to demonstrate accumulated learning through a semester long project in the development of a collection of marketable artisan works within their own media. Combines classroom-based learning explorations with real world technical and economic considerations to successfully navigate a balance between expansive thinking and application in real world situations. Enroll Info: None
Requisites: Junior standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: Junior standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

DS 528 — EXPERIMENTAL TEXTILE DESIGN
2-3 credits.
Experimental design and decorative principles; elements and techniques for the animation of textile surfaces. Enroll Info: None
Requisites: None
Repeatable for Credit: No
Last Taught: Fall 2019
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. Enroll Info: None
Requisites: Junior standing
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: Junior standing and declared in Interior Architecture
Course Designation: Breadth - Either Humanities or Social Science Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2011

DS 549 — ENVIRONMENTAL CONTROL SYSTEMS: LIGHTING, ACOUSTICS, AND THERMAL COMFORT IN BUILDINGS
3 credits.

The ways in which we design, construct, and operate has significant impacts on the building occupants and the environment. Architects, designers, and building engineers can work closely together to reduce depletion of critical resources, prevent environmental degradation, and create built environments that are livable, comfortable, safe, and productive. Offers the foundational knowledge on which such practice can be built on. Through a series of lectures, field measurements, and building simulations, understand how lighting, acoustics, and thermal properties behave in buildings and influence the building occupants. The proper application of building design as well as methods for designing and evaluating these features are discussed. Enroll Info: None
Requisites: Satisfied Quantitative Reasoning (QR) A requirement and declared in Interior Architecture; or graduate/professional standing
Course Designation: Gen Ed - Quantitative Reasoning Part B
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: DS 224 or DS 251
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: DS 270
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

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 uisite, 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). Enroll Info: None
Requisites: Sophomore standing
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2020
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. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Workplace - Workplace Experience Course
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

DS 610 — APPAREL DESIGN: PROFESSIONAL PRACTICES
3 credits.
Professional orientation for apparel designers. Enroll Info: None
Requisites: Senior standing
Repeatable for Credit: No
Last Taught: Spring 2013

DS 620 — VISUAL THINKING FOR PROBLEM SOLVING
3 credits.
Visual thinking’s theoretical foundations are paired with visual thinking skills, tools, and applications. The format explores the way these can be combined while thinking critically and engaging with problem solving methodologies such as design thinking. Theoretical foundations include the elements and principles of design, the processes of visual narrative, and perceptual theories. Skills and applications include manual sketching, 3D visualization and modeling, data visualization, image manipulation, graphic design, video presentation, multimedia, design for 3D printing and fabrication, diagramming, digital rendering, and graphic design. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

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. Enroll Info: None
Requisites: DS 322
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: DS 622
Repeatable for Credit: No
Last Taught: Spring 2020

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. Enroll Info: None
Requisites: DS 622
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2020

DS 626 — INTERIOR DESIGN V
4 credits.
Provides students the opportunity to collaborate with design professionals on potential projects ranging from health care, education, hospitality, and retail. Students will follow the design process from programming to construction documents. All aspects of designing an interiors project in detail will be addressed, including space planning, interior architectural articulation, furniture selection, finish selection, detailing of custom elements, and more. Enroll Info: None
Requisites: DS 622
Repeatable for Credit: No
Last Taught: Fall 2019

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. Enroll Info: None
Requisites: Junior standing
Course Designation: Ethnic St - Counts toward Ethnic Studies requirement
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2018

DS 641 — ADVANCED DESIGN THINKING FOR TRANSFORMATION
3 credits.
An empathetic, human-centered perspective that uses Design Thinking and draws from historical precedence and current research from a variety of fields to help solve complex and persistent problems such as student mental health awareness and lack of clean drinking water. Utilizes advanced design thinking techniques to enhance creative analysis and problem solving to address real-world problems with real-world constraints and the limitations of technology. Projects range from ways to improve everyday situations to community issues. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
**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. Enroll Info: None
Requisites: Graduate/professional standing
Repeatable for Credit: No
Last Taught: Fall 2018

**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. Enroll Info: None
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. Enroll Info: None
Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

**DS 699 — INDEPENDENT STUDY**
1-6 credits.
Directed study projects for juniors and seniors as arranged with a faculty member. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

**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. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2019

**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. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2020

**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. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2018

**DS 990 — RESEARCH AND THESIS**
1-12 credits.
Independent research and writing for graduate students under the supervision of a faculty member. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Summer 2019
DS 999 — INDEPENDENT STUDY
1-3 credits.

Directed study projects for graduate students as arranged with a faculty member. Enroll Info: None

Requisites: Consent of instructor

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2020