

# DESIGN (DES)

## DES 114 WORKSHOP IN CRAFTS

3, 1/5

Hands-on creative studio experience in either ceramics, fibers, metals/jewelry, or wood/furniture design. Non-art majors only. Offered every semester.

## DES 189 TOPIC COURSE

1-9, 0/0

Topics in art and design studio or history. Offered occasionally.

## DES 190 DESIGN SYMPOSIUM

3, 3/0; AR23

Introductory design course open only to non-majors. Basic concepts and language of design, the application of those concepts in the human environment, and the historical and cultural reference to those concepts. Offered every semester.

Equivalent Course: AAD 190

## DES 215 INTRODUCTION TO DESIGN HISTORY

3, 3/0

General introduction to design history and criticism, tracing the evolution of form and meaning from primitive cultures through the contemporary world. Special emphasis on the Industrial Revolution and modern and postmodern culture.

## DES 220 CERAMICS I

3, 1/5

Exploration of clay as a medium of expression. Experiences in methods of forming, application of glaze, and firing theory. Study of form and function. Offered every semester.

## DES 230 INTRODUCTION TO JEWELRY MAKING

3, 1/5

Exploration of materials and processes in jewelry making, emphasizing creative design. Offered every semester.

Equivalent Course: DES 230

## DES 242 FIBERS I

3, 1/5

Introduction to traditional and current trends in weaving and surface design, including table-loom weaving, dyeing, and silkscreen printing. Assignments develop good design through creative expression. Offered every semester.

## DES 250 WOOD DESIGN I

3, 1/5

Wood as a medium for expression and object design; technical and aesthetic problems. Offered every semester.

Equivalent Course: DES 250

## DES 270 VISUAL COMMUNICATION I

3, 1/5

Prerequisite: DES 277 or AAD 104. Introductory course in communication design involving basic design problems including logotype, stationary, and page layout. Examination of design and printing processes, as well as professional practices and issues. Offered every semester.

Equivalent Course: DES 270

## DES 271 LETTERING AND TYPOGRAPHY I

3, 1/5

Prerequisite: DES 277 or AAD 104. Uses of typographic forms in graphic design; problems in expression and appropriate application and layout; type specification, indication, copy fitting; origins of the Western alphabet. Offered every semester.

## DES 277 COMPUTER GRAPHICS I

3, 1/5

Introduction to the Macintosh computer as a graphic design tool. Develop a working understanding of a graphic design page-layout and drawing program. Class sessions include visual presentations, hands-on tutorials, and critiques of assignments. Offered spring semester.

## DES 295 SPECIAL PROJECT

1-3, 0/0

Prerequisite: Instructor Permission. Scholarship or creative work conducted under the supervision of a faculty member. Offered occasionally.

## DES 307 COLOR THEORY

3, 1/5

Prerequisite: DES 101. Origins, meaning, and dimensions of color; lectures and studio problems in various media, exploring the compositional effects of color. Offered every semester.

Equivalent Course: DES 307

## DES 312 HISTORY OF CRAFT: INDUSTRIAL REVOLUTION TO THE PRESENT

3, 3/0

Prerequisite: FAR104. Historical and theoretical foundations of crafts from the Industrial Revolution to the present. Developments in crafts in traditional forms, hand-based production methods, new technologies, new media and new concepts of craft, and specific cultural and intellectual contexts. Offered fall only.

**DES 314 HISTORY OF GRAPHIC DESIGN: INDUSTRIAL REVOLUTION TO THE PRESENT**

3, 3/0

Prerequisite: FAR104 or permission of instructor.

Examination of the history and theoretical foundations of graphic design from the Industrial Revolution to the present. Developments in graphic design are considered in relation to new technologies and new media and to specific cultural and intellectual contexts. Offered spring only.

**DES 317 DESIGN IN THE TWENTIETH CENTURY**

3, 3/0

Prerequisite: DES 215 or AAD 150 or permission of instructor. Historical and theoretical foundations of design in the twentieth century, concentrating on developments in graphic, industrial, and craft design from the 1890s to the present, and emphasizing the unique conditions of the present century with respect to new technology and new media.

**DES 320 CERAMICS II**

3, 1/5

Prerequisite: DES 220. Exploration of ceramic form, glaze, and firing methods through assigned problems and individual interests. Lecture and laboratory in glaze materials and glaze design. Course may be repeated up to six credits. Offered every semester.

Equivalent Course: DES 320

**DES 321 CERAMICS: JUNIOR STUDIO**

3-12, 1/5

Prerequisite: DES 320. Advanced study and experience in the total ceramic process through assigned problems according to individual personal interests. Course may be repeated up to six credits. Offered every semester.

**DES 329 ENAMELING FOR JEWELRY**

3, 1/5

Prerequisite: DES 230. Exploration of traditional and contemporary methods of enameling for jewelry design. Offered occasionally.

**DES 330 APPLIED JEWELRY TECHNIQUES**

3, 1/5

Prerequisite: DES 230. Basic and advanced jewelry techniques including lost-wax casting and stone setting. Continued emphasis on the personal, conceptual, and creative development of jewelry design. Offered every semester.

Equivalent Course: DES 330

**DES 331 JEWELRY: JUNIOR STUDIO**

3-12, 1/5

Prerequisite: DES 330. Advanced exploration of materials and processes used in jewelry making with emphasis on design aspects. Individually selected projects. Course may be repeated up to nine credits. Offered every semester.

Equivalent Course: DES 331

**DES 336 METALSMITHING**

3, 1/5

Prerequisite: DES 235 or DES 330. Advanced concentration in metalworking as a continuation of forming techniques introduced in DES 235. Offered spring only.

**DES 337 METALSMITHING: JUNIOR STUDIO**

3-12, 1/5

Prerequisite: DES 336. Practical application of metalworking techniques with emphasis on raising, forging, welding, riveting, casting, spinning, and other forming methods. Parallel study of leading designers, craftspeople. Tutorial relationship with instructor. Extra class assignments, including minimum studio hours equal to class hours. Offered spring only.

**DES 338 COMPUTER THREE-DIMENSIONAL MODELING AND RENDERING**

3, 1/5

Prerequisites: AAD 105. Exploration of the capabilities of computer modeling and rendering software, especially for craft area majors. Offered spring only.

**DES 342 FIBERS II**

3, 1/5

Prerequisite: DES 242. Intermediate exploration in traditional and experimental techniques of weaving and surface design, including floor-loom weaving, dyeing and silkscreen printing with an emphasis on creative expression. Offered every semester.

**DES 344 FIBERS: JUNIOR STUDIO**

3, 1/5

Prerequisite: DES 342. Study and experience in complex weaving and surface design, including multiple-harness weaving and application of dyeing, printing, and mixed media techniques; aesthetic and functional considerations. Course may be repeated up to six credits. Offered every semester.

**DES 350 WOOD DESIGN II**

3, 1/5

Prerequisite: DES 250. Exploration into the design and fabrication of wooden objects. Emphasis on developing design and craftsmanship skills through assigned problems. Offered every semester.

Equivalent Course: DES 350

**DES 351 WOOD DESIGN: JUNIOR STUDIO**

3-12, 1/5

Prerequisite: DES 350. Design and creation of a major project in wood, approached from the viewpoint of the designer-craftsperson, using a range of techniques and hand, power, and machine tools as needed. Course may be repeated up to six credits. Offered every semester.

Equivalent Course: DES 351

**DES 370 VISUAL COMMUNICATIONS II**

3, 1/5

Prerequisite: DES 270. Design problems in visual communication. Emphasis on creative problem solving and appropriate application to promotional and editorial communication.

**DES 374 ADVERTISING DESIGN**

3-6, 1/5

Prerequisite: DES 277 or AAD 104. Principles of advertising design as visual communication, motivation, and persuasion. Problems in advertising and publication design. Illustration, media, and techniques. Typographic design and reproduction processes. Offered fall semester.

### DES 377 COMPUTER GRAPHICS II

3, 1/5

Prerequisite: DES 277 or AAD 104. Intermediate-level course using computer-imaging programs. Creative problem solving with photomontage, posters, and publication design assignments. Visual presentations, hands-on tutorials, and critiques of assignments. Offered every semester.

Equivalent Course: DES 478

### DES 378 WEB DESIGN I

3, 2/4

Prerequisite: DES 277 or AAD 104. Introduction to interactive Web design from the perspective of communication design. Introduces the student to the history of the Internet, industry-standard site-creation, software, and testing and evaluation. Integrates design aesthetics information, organization, image preparation, and intuitive interface design and navigation. Offered fall semester.

### DES 379 MOTION DESIGN

3, 3/0

Prerequisite: DES 277 or AAD 104. Exploration and integration of animation methods including hand-drawn, stop motion, and digital. Motion and sound added to graphics, typography and image. History of motion design and animation. Integrates design aesthetics, sequential information presentation, and video preparation for various distribution methods. Offered spring semester.

Equivalent Courses: DES 479, DMA 379

### DES 380 ILLUSTRATION

3, 1/5

Prerequisite: DES 270. Creative problem solving illustration assignments. In-depth exploration of illustration media and techniques. Examination of professional practice and business issues. Offered every semester.

### DES 382 DIGITAL 3D I

3, 2/0

Prerequisite: DES 277 or AAD 104. Creation of digital 3D objects and environments for print, video and motion design. Modeling, lighting and surfacing objects in the CG (Computer Graphics) environment using industry standard software.

Equivalent Course: DES 480

### DES 389 TOPICS COURSE

3, 0/0

Offered occasionally.

### DES 414 SENIOR SEMINAR/EXHIBITION

4, 3/3

A series of lectures and discussions concerning topics such as self-presentation concepts. Job and professional interviews. Business practices, recordkeeping, and taxes. Legal contracts and copyrights. Exhibitions and promoting personal work. Offered every semester.

### DES 421 CERAMICS: SENIOR STUDIO

3-12, 1/5

Prerequisite: DES 321. Development and presentation of the student's personal direction in clay, culminating in a portfolio presentation and a final show. Course may be repeated up to twelve credits. Offered every semester.

### DES 431 SENIOR JEWELRY STUDIO

3, 1/5

Prerequisites: DES 331, instructor permission. A focus on advanced conceptual and technical applications related to the design and fabrication of jewelry. Emphasis on the culmination of aesthetics and concept resulting in a distinct individual style. Offered every semester.

### DES 444 FIBERS: SENIOR STUDIO

3, 1/5

Prerequisites: DES 344, instructor permission. Concentration of studio work in surface design, mixed media and weaving. Students plan and execute a series of problems and projects in consultation with the instructor, leading to an exhibition. Portfolio preparation for graduating seniors. Offered annually.

### DES 451 WOOD DESIGN: SENIOR STUDIO

3-12, 1/5

Prerequisite: DES 351. Concentration of studio work by senior wood majors. Students plan and execute a series of problems and projects in consultation with the instructor. Course may be repeated up to twelve credits.

### DES 472 WEB DESIGN II

3, 2/4

Prerequisites: Communication Design Major, Junior/Senior standing, DES 378. Intermediate concepts and skills involved in designing Internet-based interactive media. Builds on technical and theoretical concepts of DES 378, Web Design I. Current technical standards in web design and online publishing will be covered including multi-device interface design, content management, social media integration and accessibility.

### DES 473 GRAPHIC DESIGN

3-9, 1/5

Prerequisites: DES 377 and DES 380. Advanced problems in advertising, publication, and packaging design. Materials, techniques, and computer processes used in preparation of visual and design presentations/mechanicals. Emphasis on individual solutions to problems typical of those confronting the professional graphic designer. Offered fall semester.

### DES 475 GRAPHIC DESIGN PRACTICUM

1-6, 1/5

Prerequisite: Completion of all required courses in graphic design specialization. Practical experience in an advertising agency, design studio, or corporate design office under the sponsorship of an art director, working two days a week for 6 credit hours. Or experience with practical problems in a simulated agency situation, working 10 hours a week for 3 credit hours. Admission by permission of graphic design advisers after portfolio review. Offered every semester.

### DES 478 WEB DESIGN II

3, 2/4

Equivalent Course: DES 377

### DES 479 MULTIMEDIA COMPUTER DESIGN

3, 0/6

Prerequisite: DES 377. Introduction to computer design and the authoring process in multimedia. Experience with digital images, video, and sound using current software, culminating in creative interactive presentations and Web page documents. Offered every semester.

Equivalent Course: DES 379

### DES 480 ILLUSTRATION II

3, 1/5

Prerequisite: DES 380. Advanced problems and creative solutions in editorial and advertising illustration using computer drawing software programs. In-depth examination of business issues and professional practice in the illustration field. Offered every semester.

Equivalent Course: DES 382

### DES 488 INTERNSHIP

1-12, 0/0

Prerequisite: Senior Status, Art and Design Majors, and instructor permission. Guided, supervised exposure to professional design operations through on-the-job experience in an authorized design firm, department, studio, or showroom. For 3 credit hours, student completes 120 contract hours, provides a written report of the work experience, and receives written evaluation from the employer. Offered every semester.

### DES 489 MOTION DESIGN 2

3, 2/0

Prerequisite: DES 379. Integrates type, graphics and image utilizing the language of motion, emphasizing story and ideation in time-based media. Real-world applications include title/credit sequences, product pre-visualization, interactive interfaces, advertising, and entertainment.

### DES 495 SPECIAL PROJECT

1-3, 1/5

Offered occasionally.

### DES 499 INDEPENDENT STUDY

3-12, 1/5

Offered every semester.

### DES 590 INDEPENDENT STUDY

1-6, 0/6

### DES 592 INDEPENDENT STUDIO IN DESIGN

3-9, 1/5

Prerequisites: DES 220 OR DES 230 OR DES 249 OR DES 250. Independent studio experience with consultation, advice, and supervision from an instructor in a related area of study. Involves studio experiments and experiences not available in regular course offerings. May be taken up to three times.

### DES 640 GRADUATE STUDIO IN DESIGN

3-9, 1/5

Organization of space with a variety of materials; the designed form in theoretical, abstract, and functional applications. Tutorial relationship with instructor. Extra class assignments, including minimum studio hours equal to class hours. May be taken up to three times.

### DES 642 GRADUATE STUDIO IN FURNITURE DESIGN

3-9, 1/5

Prerequisites: DES 250 and DES 351 or equivalent. Designer-craftsperson approach to advanced projects in wood; hand, power, and machine tool practice; aesthetic and functional considerations in design; finishing methods; care of equipment. May be taken up to three times.

### DES 643 GRADUATE STUDIO IN FIBER DESIGN

3-9, 1/5

Prerequisite: DES 242 or equivalent or instructor permission. Advanced work in textile design, techniques, and processes: floor loom weaving, fabric printing, related techniques of fiber embellishment and construction; individual studies and projects exploring traditional and experimental concepts in fiber arts. Tutorial relationship with instructor when appropriate. May be taken up to three times.

### DES 646 GRADUATE STUDIO IN JEWELRY

3-9, 1/5

Prerequisite: DES 230 or equivalent. Technical and aesthetic aspects of jewelry design and construction; advanced experience in fabrication techniques, casting, and stone setting according to student experience level. Tutorial relationship with instructor. Extra class assignments, including minimum studio hours equal to class hours. May be taken up to three times.

### DES 647 CASTING TECHNIQUES IN JEWELRY

3-9, 1/5

Preparing wax models and molds, burning out, and lost-wax casting of jewelry in silver and gold; using the centrifugal casting machine; related steam casting, cuttlefish casting, open-mold casting, and associated techniques. Extra class assignments, including minimum studio hours equal to class hours. May be taken up to three times.

### DES 649 GRADUATE STUDIO IN CERAMICS

3-9, 1/5

Prerequisites: DES 320 or equivalent and DES 592. Advanced study on an individual basis: practice in throwing or hand building; study of form and texture for functional or sculptural applications; color and glaze. Extra class assignments, including minimum studio hours equal to class hours. May be taken up to three times.

### DES 690 MASTER'S PROJECT

3, 1/5

A study undertaken by one or more individuals on a problem of special interest aimed at making a special contribution to design, as contrasted with normal class or studio activity. May be presented, in part, as an exhibition of materials collected or prepared, including a major exhibition of design related to study, with theories and findings reported.

### DES 695 MASTER'S THESIS

3, 1/5

Individual investigation of an original problem submitted in acceptable form according to directions given by the Graduate School. Problem and procedure must be approved by the student's thesis supervisor and graduate advisory committee before investigation is begun.

### DES 721 THESIS/PROJECT CONTINUATION

0, 0/0

### DES 722 THESIS/PROJECT EXTENDED

0, 0/0