

# ARTD - ART--DESIGN

ARTD Class Schedule (<https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/ARTD/>)

## Courses

**ARTD 101 Introduction to Industrial Design credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/101/>)

Introduction to problem-finding and problem-solving processes in the design of products. This course teaches foundational industrial design skills, methods, philosophies, and design thinking. Creation of 3-dimensional products begins with a simplified design process, adding steps until a final project is completed that incorporates all components of the design process. Additional fees may apply. See Class Schedule. Prerequisite: Restricted to Art and Design majors.

**ARTD 151 Introduction to Graphic Design credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/151/>)

An introductory course for students considering graphic design as their major. This course teaches design as a critical thinking and problem solving process that will be applied to class projects. Topics will include principles of visual perception, visual communication theory, precedents in design history, and technical skills common to the practice of graphic design and which relate to image making, surface design, typography, layout, design systems and their applications. Additional fees may apply. See Class Schedule. Prerequisite: Restricted to Art and Design majors.

**ARTD 201 Industrial Design I credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/201/>)

Introduction to the creative process and methods involved in industrial design; research, modeling, form giving, prototyping and communication with emphasis on user centered design. Projects of escalating scale and complexity complemented by lectures and demonstrations. Additional fees may apply. See Class Schedule. Prerequisite: Completion of the First-Year Curriculum in Art & Design. Concurrent registration in ARTD 225.

**ARTD 202 Industrial Design II credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/202/>)

Studio design problems of increasing complexity involving structures and mechanisms. Lectures and discussions to explore design issues affecting contemporary culture and aesthetics perceptions. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 201. Concurrent registration in ARTD 228.

**ARTD 216 Introduction to Image Making credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/216/>)

This introductory studio functions as a survey of representational strategies through image reproduction technology. Discussions center around the reader's construction of meaning through still and moving images. Students develop an authorial voice in visual practice. Additional fees may apply. See Class Schedule. Prerequisite: Sophomore standing in graphic design curriculum or consent of instructor.

**ARTD 217 Graphic Design for Non-Majors credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/217/>)

ARTS EXCHANGE: Introduces students to the field of graphic design in theory and practice. Examines what graphic designers make and the methods that are employed in contemporary design practice. Emphasis is placed on the organization and visual presentation of relevant content across media and their effect within systems. Additional fees may apply. See Class Schedule. Prerequisite: Restricted to students in FAA or permission of instructor.

**ARTD 218 Interaction Design Foundation credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/218/>)

This 16-week course will immerse students in a series of assignments designed to help them develop a fundamental understanding of front-end web technologies, such as HTML5, CSS and JavaScript, and prepare them to plan and develop interactive experiences. Prerequisite: Completion of the First-Year Curriculum in Art & Design.

**ARTD 222 Typography 1 credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/222/>)

This introductory studio functions as a survey of typographic practice across media platforms. Students relate typographic form to reading conventions and reproduction technologies. Additional fees may apply. See Class Schedule. Prerequisite: Completion of the First-Year Curriculum in Art & Design.

**ARTD 225 Design Drawing credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/225/>)

Introduction to rapid drawing methods and tools used by designers. Focuses on theory and application of orthographic and perspective drawing for communication of design ideas. Additional fees may apply. See Class Schedule. Prerequisite: Industrial Design majors must have completed the First-Year Curriculum in Art & Design. Industrial Design majors must have concurrent registration in ARTD 201. Sustainable Design majors are restricted by sophomore standing.

**ARTD 228 Computer Applications credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/228/>)

Concepts, methods and applications of computer-aided industrial design to the design of products for mass manufacture. Rendering and lighting techniques to communicate product forms. Additional fees may apply. See Class Schedule. Prerequisite: Concurrent registration in ARTD 202.

**ARTD 230 Design Thinking/Need-Finding credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/230/>)

Design thinking, a term with origins in industrial design practice, describes a human-centered approach to design and innovation in products and services, addressing the tri-partite requirements of feasibility, desirability and viability. With this focus on determining user needs, a variety of processes, including observation, empathy, ideation, prototyping and modeling, are used to discover people's needs and opportunities for design thinking, along with the communication of design outcomes by diagrammatic and narrative means. Design thinking is best done in teams, hence the project team basis for this course. This course concentrates on need-finding rather than the full resolution of design proposals. Same as TE 230. Additional fees may apply. See Class Schedule. Prerequisite: For Art+Design or Engineering majors only.

**ARTD 240 eWaste: Sustainable Design credit: 3 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/240/>)

Examines the topics of electronic waste, or eWaste, within the context of sustainable design. Students will learn about sustainable and "green" electronic product design practices and develop the ability to assess a variety of products according to these criteria. Case studies will be supplemented by assigned readings, directed writing, and group discussion.

**ARTD 251 Graphic Design Toolbox credit: 2 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/251/>)**

This studio introduces students to the field of graphic design in theory and practice. The course examines what graphic designers make and the methods that are employed in contemporary design practice. Emphasis is placed on the organization and visual presentation of relevant content across media and their effect within systems. Additional fees may apply. See Class Schedule. Prerequisite: Completion of the First-Year Curriculum in Art & Design.

**ARTD 270 Design Methods credit: 2 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/270/>)**

Design Methods is a hybrid studio and seminar that introduces students to the principles and process of human-centered design through a focus on research and observation outside of the studio. This approach will allow students to address the social and cultural contexts in which designers intervene. Through a series of exercises and projects, students will begin to develop competencies in conducting research in specific environments in order to inform and inspire the direction of their design projects. Students will also learn how to iterate design solutions and prototypes based on expert input, testing and user feedback. Students will better understand and articulate the tools and methodologies shared by all design disciplines as it relates to a variety of actions and outcomes: visual communication and the design of objects, services, interactions and experiences. Additional fees may apply. See Class Schedule. Prerequisite: Graphic Design majors must have completed the First-Year Curriculum in Art & Design. Sustainable Design majors are restricted by sophomore standing.

**ARTD 299 Spec Topics in Design Courses credit: 1 to 5 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/299/>)**

Topics and subject matter to be published in course listings. Additional fees may apply. See Class Schedule. May be repeated in separate terms to a maximum of 12 hours but no more than 6 hours in any one term. Prerequisite: Sophomore standing in Art and Design.

**ARTD 301 Industrial Design III credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/301/>)**

Design of user centered products for mass production; experience in the iterative problem solving processes and methods. Addresses practical constraints such as sustainability, environmental factors/ergonomics, manufacturing and materials, social and political and economic. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 202.

**ARTD 302 Industrial Design IV credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/302/>)**

Industrial design problems of increasing complexity, scope and size. Continuation of ARTD 301. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 301.

**ARTD 317 UI/UX Design for Non-Majors credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/317/>)**

This User interface/User experience (UI/UX) studio introduces the non-designer to the construction of compelling user experiences that incorporate the use of digital products/code. Students investigate both the theoretical and practical aspects of UI/UX through projects involving information architecture, user scenarios, wireframing, interface design, and creative code for web and mobile products. Additional fees may apply. See Class Schedule.

**ARTD 318 Interaction Design credit: 2 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/318/>)**

This studio explores the construction of compelling user experiences that incorporate the use of digital media. Students investigate both the theoretical and practical aspects of interaction through exercises involving information architecture, interface design, and creative code. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 218.

**ARTD 326 Sustainability & Manufacturing credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/326/>)**

Exploration of environmental origins, theory and practice of sustainable product design. Environmentally-responsive design methodologies and topics such as industrial ecology, dematerialization, design for disassembly, design for recycling and life-cycle assessment. Additional fees may apply. See Class Schedule. Prerequisite: Junior standing in Art and Design or consent of instructor.

**ARTD 328 Human-Centered Product Design credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/328/>)**

Principles of human-centered design and usability applied to products, product systems, and product environments to enhance the user experience; strategies to enhance independent learning for professional development, to further research, and to acquire new skills. Additional fees may apply. See Class Schedule. Prerequisite: Junior standing in Art and Design or consent of instructor.

**ARTD 333 Typography 2 credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/333/>)**

This studio extends typographic study with representational strategies for image reproduction technology. Students engage in practices for incorporating existing and created imagery into typographic systems. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 222.

**ARTD 351 Graphic Design Inquiry credit: 1 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/351/>)**

A series of topical studios that touch upon the myriad practices of graphic design. Students produce and analyze form and content according to each individual topic. Media engagement varies across sections. Additional fees may apply. See Class Schedule. May be repeated up to 8 hours.

**ARTD 371 Graphic Design Practicum credit: 2 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/371/>)**

This analytical studio prepares students for entry into the field of graphic design. Professional practice is parsed into areas of opportunity, to which students ultimately align themselves and by which they structure their preparatory endeavors. Additional fees may apply. See Class Schedule. Prerequisite: Credit in ARTD 333, credit or concurrent registration in ARTD 318, and senior standing.

**ARTD 391 Special Problems in Design credit: 1 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/391/>)**

Directed independent creative activity or research. Additional fees may apply. See Class Schedule. May be repeated in separate terms to a maximum of 6 hours. Prerequisite: Junior standing in Art and Design; and consent of instructor, advisor, and associate director of the School. A contract must be completed & approved by the instructor & advisor. 3.3 GPA, & only 6 hours total Ind. Study.

**ARTD 399 Internship in Design credit: 0 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/399/>)**

Internships to be pre-approved for variable credit. Students will be required to document work completed during the internship with verification of supervisor. Supervisor will also be required to fill out a questionnaire either by mail or on-line. Faculty members will assess work and questionnaires to assign a grade. Approved for S/U grading only. May be repeated if topics vary to a maximum of 4 hours. Prerequisite: Junior standing in School of Art and Design. Registration only with instructor permission, complete the Undergraduate Internship Study form at [art.illinois.edu](http://art.illinois.edu).

**ARTD 401 Industrial Design V credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/401/>)**

Advanced design projects in the context of the business environment in which product design and development takes place; marketing, branding, merchandizing, entrepreneurship within the context of globalized marketing and manufacturing. Additional fees may apply. See Class Schedule. 4 undergraduate hours. 4 graduate hours. Prerequisite: ARTD 302.

**ARTD 402 Industrial Design VI credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/402/>)**

Capstone project integrating all aspects of the design process from concept through final design, documentation and presentation; reconciliation of user centered constraints such as socio-economic, environmental-sustainability, manufacturability, health and safety and ethical. Standard approach that of an entry level industrial design professional. Additional fees may apply. See Class Schedule. 4 undergraduate hours. 4 graduate hours. Prerequisite: ARTD 401.

**ARTD 418 Advanced Interaction Design credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/418/>)**

This advanced studio immerses students in design investigations that foster understanding of emergent digital interaction paradigms. Potential areas of exploration include design and development for both mobile devices and interactive environments. Additional fees may apply. See Class Schedule. 3 undergraduate hours. 3 graduate hours. Prerequisite: ARTD 318.

**ARTD 420 Disability Design credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/420/>)**

Focuses on user-oriented, collaborative approaches to designing new products and services, with special emphasis on designing for people with disabilities. Students gain an understanding of the product development process by exploring empathic design research approaches, while working directly with prospective clients. Course work centers on designing products for mass production, and on recognizing opportunities to re-engineer existing products. 3 undergraduate hours. 4 graduate hours. Prerequisite: Junior standing.

**ARTD 426 Product Innovation credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/426/>)**

Presents an overview of the product development process from concept generation to design for manufacturing and project management. Emphasis on product definition, innovation, the early phases of development and the role of designer in new product development. 3 undergraduate hours. 3 graduate hours.

**ARTD 444 Typography 3 credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/444/>)**

Students engage with complex typographic systems across varied media in a studio setting. Additional fees may apply. See Class Schedule. 3 undergraduate hours. 4 graduate hours. Prerequisite: ARTD 333.

**ARTD 445 Seminar in Responsible Design credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/445/>)**

Investigation of special problems and current topics in industrial and/or graphic design. Students will conduct original research which will be shared through papers, presentations, and discussions. Additional fees may apply. See Class Schedule. 3 undergraduate hours. 4 graduate hours. May be repeated in separate terms to a maximum of 12 undergraduate hours or 16 graduate hours. Prerequisite: Restricted to Juniors in Art and Design or consent of instructor.

**ARTD 448 Professional Design Practice credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/448/>)**

Concentrates on developing presentation and communication skills that form the basis of a successful design career. Students will engage in portfolio reviews, plan and install exhibitions, prepare client presentations, and rehearse job interviews. Written work will include CV preparation. Emphasis will be placed on familiarizing students with professional practices and contexts. Additional fees may apply. See Class Schedule. 3 undergraduate hours. No graduate credit.

**ARTD 451 Ethics of a Designer in a Global Economy credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/451/>)**

Ethics of a Designer in a Global Economy (EDGE) studio presents complex problems of ethics within the graphic design practice. Individual sections address social and environmental issues. Additional fees may apply. See Class Schedule. 4 undergraduate hours. 4 graduate hours. May be repeated up to 8 hours in the same term and 12 hours in separate terms, if topics vary. Prerequisite: Sustainable Design majors are restricted by junior standing.

**ARTD 452 Interaction Design Problems credit: 1 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/452/>)**

This series of topical studios presents complex problems of user experience through interactive media. Individual sections address professional, theoretical, or exploratory problems. Technological engagement varies across sections. 1 to 4 undergraduate hours. 1 to 4 graduate hours. Prerequisite: ARTD 222 and ARTD 318.

**ARTD 471 Graphic Design Capstone credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/471/>)**

Students in this advanced studio articulate individual interests and conduct corresponding investigations to develop specialized expertise. The coursework represents the student's final preparation for practice in graphic design. Additional fees may apply. See Class Schedule. 3 undergraduate hours. No graduate credit. Prerequisite: ARTD 371.

**ARTD 499 Special Topics in Design credit: 1 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/499/>)**

Topics and subject matter to be published in course listings. Additional fees may apply. See Class Schedule. 1 to 3 undergraduate hours. 1 to 4 graduate hours. May be repeated if topics vary to a maximum of 9 undergraduate or 12 graduate hours. Prerequisite: Senior standing or consent of instructor.

**ARTD 501 Industrial Design I: From Inquiry to Ideation credit: 6 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/501/>)**

After a quick benchmarking exercise to determine students' current level of design skills, this course focuses on the first stages of design thinking using research and analysis to determine user needs and going on to ideation and creative thinking strategies to respond to those needs. This course is the first in a sequence leading to a MFA in Industrial Design, MDes in Industrial Design, or Advanced Design Thinking Graduate Certificate. Additional fees may apply. See Class Schedule. Prerequisite: BFA in Industrial Design or a related field (as accepted by the faculty), or consent of instructor.

**ARTD 502 Industrial Design II: From Ideation to Implementation credit: 6 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/502/>) Builds on the research and insights carried out in ARTD 501 to generate ideas and concepts that answer the identified needs, and to develop those into resolved design proposals. This course is the second in a sequence leading to a MFA in Industrial Design, MDes in Industrial Design, or Advanced Design Thinking Graduate Certificate. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 501.

**ARTD 503 Industrial Design III: Design Project Formulation credit: 6 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/503/>) Emphasizes all aspects of the research and design process in a holistic design project intended as a rehearsal for the thesis investigations and establishing a personal direction for students' work. This course is the third in a sequence leading to a MFA in Industrial Design or MDes in Industrial Design. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 502.

**ARTD 504 Industrial Design IV: Thesis Research credit: 6 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/504/>) Research activities of the master's thesis design project, individually negotiated and supervised by a thesis committee. This is the first course in the ID master's thesis project sequence for the MFA and MDes. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 503.

**ARTD 505 Industrial Design V: Thesis Ideation credit: 6 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/505/>) Ideation and prototyping phase of the thesis design project. This is the second course in the ID master's thesis project sequence for the MFA and MDes. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 504.

**ARTD 506 Industrial Design VI: Thesis Project Implementation credit: 6 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/506/>) Final studio course of the thesis design project, culminating in presentation of thesis project work in a public exhibition. This is the final course in the ID master's thesis project sequence for the MFA and MDes. Additional fees may apply. See Class Schedule. Prerequisite: ARTD 505.

**ARTD 510 Membership in a DRI Research Team Project credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/510/>) Design research is fundamentally interdisciplinary, often involving domain and process experts from a variety of fields. Students will choose to join one among several continuing peer- or faculty-led design research projects at various stages of completion. They will learn how to adapt their existing expertise to contribute productively to the project in its current stage, absorb insight from work completed at earlier stages, and collaborate with team members to advance the project toward its defined goals. Additional fees may apply. See Class Schedule. May be repeated to a maximum of 8 hours. Prerequisite: Restricted to students enrolled in the MFA or PhD program in Design for Responsible Innovation or consent of instructor.

**ARTD 511 Leadership in a DRI Research Team Project credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/511/>)

Design research is fundamentally interdisciplinary, often involving domain and process experts from a variety of fields. Students will gain hands-on experience with design research team leadership by learning how to define, staff, and manage a new collaborative research project or new stage of a continuing project. Special attention will be paid to the distinctive features of the design research process such as the extended period of ambiguity and methods for eliciting significant contributions from team members with varied domain and process expertise. Additional fees may apply. See Class Schedule. May be repeated to a maximum of 8 hours. Prerequisite: ARTD 510. Enrollment in the MFA or PhD program in Design for Responsible Innovation or consent of instructor.

**ARTD 551 Design for Responsible Innovation Research Impact credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/551/>)

This seminar helps DRI graduate students connect their research with pedagogy and professional development strategies to disseminate their research into publishing, conferences, communities, and other relevant venues. Students may take this course one time for credit toward the MFA DRI degree. May be repeated in separate terms to a maximum of 8 hours.

**ARTD 570 Design for Responsible Innovation Research Methodology credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/570/>)

This seminar coordinates readings in design theory and the processes and principles of human-centered design with graduate students' emerging thesis research interests. Students will address the role of design research methodology in establishing design practice and design pedagogy. DRI graduate students enrolled in this course will be well-prepared to take leadership roles in the corresponding ARTD 270 Design Methods. Students may take this course one time for credit toward the MFA DRI degree. Additional fees may apply. See Class Schedule. May be repeated in separate terms to a maximum of 8 hours.

**ARTD 591 Special Problems in Design credit: 1 to 8 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/591/>)

Directed individual creative activity or research. Additional fees may apply. See Class Schedule. Course Information: May be repeated if topics vary, in the same semester up to 10 hours; in separate semesters to a maximum of 20 hours. Prerequisite: Graduate standing in Design.

**ARTD 595 MFA Design for Responsible Innovation Studio credit: 4 Hours.** (<https://courses.illinois.edu/schedule/terms/ARTD/595/>)

This studio provides the MFA design student with tools to define and develop their body of work in the context of the DRI program's mission by pursuing an individual or collaborative path. The course enhances the student's ability to develop a rigorous theoretical framework and select appropriate methods and processes for design research and pedagogy. Additional fees may apply. See Class Schedule. May be repeated in separate terms to a maximum of 20 hours. Prerequisite: Enrollment in the MFA concentration in Design for Responsible Innovation or consent of instructor.

**ARTD 599 Thesis credit: 0 to 12 Hours. (<https://courses.illinois.edu/schedule/terms/ARTD/599/>)**

Faculty guidance in writing and depositing a thesis for MFA concentrations in Industrial Design or Design for Responsible Innovation or MDes Industrial Design. Students should enroll with the faculty member who is supervising their thesis. Additional fees may apply. See Class Schedule. Approved for S/U grading only. May be repeated in separate semesters to a maximum of 32 hours. Prerequisite: Restricted to graduate study in Design For Responsible Innovation (MFA) or Industrial Design (MFA, MDes).