

FURNITURE DESIGN (FURN)

FURN 200 Furniture Materials and Techniques I: Tools, Fabrication, and Joinery (5 Credits)

This course focuses on the integration of design and fabrication skills necessary to complete an original project. The course covers the properties and working characteristics of hand tool use, joinery techniques and safe machine operations in the use of materials appropriate to furniture design.

Prerequisite(s): DSGN 102; SBLD 223; DRAW 230 or FOUN 245; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 201 Design Studio: Introduction to Furniture (5 Credits)

This course introduces students to the field of furniture design. Lectures, class discussions and exercises provide the foundation to engage the furniture design process and the communication and presentation of ideas through diverse projects.

Prerequisite(s): FURN 200; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 232 Visual Communication for Furniture Design (5 Credits)

In this course, students are expected to develop the drawing skills and 2D presentation techniques used to convey design ideas required in the furniture design profession.

Prerequisite(s): DRAW 115 or DRAW 230.

Attributes: Studio Elective Requirement

FURN 236 Furniture Materials and Techniques II: Integrating Design and Fabrication (5 Credits)

In this course, students synthesize their design and fabrication skills. The course explores the conceptual, aesthetic and structural issues involved with the design and construction of a project utilizing a range of techniques and commonly used furniture materials.

Prerequisite(s): FURN 200; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 238 Design Studio: Furniture and Spatial Composition (5 Credits)

Understanding the composition and quality of spaces in which humans work, interact, play, live and utilize their furniture is the basis of this course. Lectures, exercises and case studies provide students an appreciation of the complexities and nuances of the built environment towards a more meaningful and responsible furniture design process.

Prerequisite(s): FURN 201 and (FURN 232; IDUS 150; SDES 213; IDUS 213 or IDUS 225); Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 301 Furniture Practices: Metal (5 Credits)

A skilled furniture designer is familiar with the tools and techniques appropriate to a variety of materials, including metals. Students explore metal manipulation, machine operation and safety, proper use of hand tools, metal identification and cold assembly techniques in a variety of fabrication projects. This knowledge expands design and production possibilities, preparing students to meet the demands of the profession.

Prerequisite(s): (DSGN 102; SBLD 223; DSGN 102 or FOUN 240) and FURN 200; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 302 Materials and Processes (5 Credits)

Through lectures, studio assignments and research, students explore traditional and contemporary materials and manufacturing methods unique to the furnishings industry as well as those common in other fields. Students are introduced to the technical and practical considerations that influence the choices of material and production. Emphasis is placed on the relationship between the designer and manufacturer.

Prerequisite(s): FURN 201; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 303 Design Studio: Market Context and Furniture Design (5 Credits)

Through a series of lectures and seminars, this course enables students to identify, challenge and explore new concepts and design competencies within the parameters of markets and opportunities. The course also addresses trends and forecasting, patterns of domestic competition, practices in international import and export, packaging and transport of products. Students are exposed to case studies covering customer buying systems and hierarchies of needs, behavioral tendencies, cultural diversities, price determinants and market cost factors.

Prerequisite(s): FIBR 201; FURN 201; INDS 210; IDUS 250; JEWL 255 or MTJW 255.

Attributes: Business-focused elective

FURN 305 Design Studio: Furniture Design for the Market (5 Credits)

The complex process of furniture design for the market is examined and explored, addressing issues of function, structure, aesthetics, context and culture. The use of 2D and 3D visualization tools is instrumental as students develop and resolve their design solutions.

Prerequisite(s): FURN 236; FURN 215; FURN 238 or FURN 372.

Attributes: Business-focused elective; Studio Elective Requirement

FURN 306 Furniture Practices: Methods in Plastics (5 Credits)

This course is an introduction to plastics as a material for design and manufacture. Through lectures, demonstrations and small-scale exercises and projects, students become familiar with the vocabulary of plastics and plastics design. The course covers basic design principles, issues in plastics, design protocols, key manufacturing processes and fabrication techniques specific to designing for plastics.

Prerequisite(s): JEWL 102; MTJW 102; FIBR 160; FIBR 170; FIBR 190; FURN 200; IDUS 212 or ACCE 205; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 307 History of Furniture Design (5 Credits)

This course gives the students an understanding of specific design proponents, movements and historical trajectories relevant to furniture design, in a manner that informs and complements their design process. The course draws upon historical lineage and identifies the predominant civilizations throughout history and the contribution they have made to furniture design. This course seeks to trace the dominant furniture paradigms and historical shifts that have occurred from prehistory up to the 21st century. Specific emphasis is placed on theoretical and ideological developments surrounding the age or era in which such developments occurred, and study is focused on the effects of such historical events, shifts and consequences.

Prerequisite(s): ENGL 123 or ENGL 193.

FURN 309 Electronic Design and Visualization (5 Credits)

Through this course, students become proficient in industry-standard modeling software applications, and how they allow for quick, accurate and transformable visualization of designs to provide a tool to facilitate communication between designer, engineer and client.

Prerequisite(s): SBLD 115; DRAW 115; DSGN 102 or FOUN 240; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 311 Methods of Wood Bending (5 Credits)

In this course, students synthesize their design and fabrication skills. The course explores the conceptual, aesthetic and structural issues involved with the design and construction of a project utilizing various wood bending techniques.

Prerequisite(s): FURN 236 or FURN 215.

Attributes: Studio Elective Requirement

FURN 320 Accessories for Living (5 Credits)

This course explores design, construction and packaging issues associated with the production of accessories for the living environment. Students design, develop and fabricate a product with a focus on efficient production strategies and appropriate integration of assembly processes, including the potential use of various rapid prototyping technologies.

Prerequisite(s): FURN 302 or FURN 334.

Attributes: Studio Elective Requirement

FURN 330 Exploration in Soft Furnishings (5 Credits)

Through a series of lectures, demonstrations, assignments and projects, students gain knowledge and experience with the materials, equipment and techniques involved in the production of soft furnishings for a variety of functional and aesthetic purposes. The students are exposed to sewing technology, patternmaking, structural design and upholstery techniques that provide the parameters for students to conceptualize, explore, design and produce a full-scale prototype.

Prerequisite(s): FURN 236 or FURN 215.

Attributes: Studio Elective Requirement

FURN 360 Professional Practice in Furniture Design (5 Credits)

This course prepares students to enter the career field of furniture design. Topics include developing professional contacts, interviewing skills, portfolios and refined résumés.

Prerequisite(s): FURN 309.

Attributes: Business-focused elective; Studio Elective Requirement

FURN 405 Design Studio: Directed Project (5 Credits)

Research, design and preparation for prototyping are the focus of this course. It is intended to provide students with the opportunity to create the necessary documents and visual communication, making prototype execution feasible. Students generate concepts within the context of a directed project and prepare the necessary documents for execution of a prototype in later courses.

Prerequisite(s): FURN 305; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 410 Design Studio: Advanced Furniture Design (5 Credits)

While applying their accumulated experience, knowledge and skills in a directed design project, students demonstrate their command of the design process, process documentation and presentation of a design project.

Prerequisite(s): FURN 305 and (FURN 360 or FURN 415); Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 425 Design Studio: Senior Focus (5 Credits)

This course provides the student the opportunity to propose and manage a faculty approved self-initiated design project with appropriate focus, inquiry, documentation, execution and presentation.

Prerequisite(s): FURN 410; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 479 Undergraduate Internship (5 Credits)

Internships offer students valuable opportunities to work in a professional environment and gain firsthand experience to help them prepare for careers. In an approved internship setting, a student typically spends one quarter working with an on-site professional supervisor and a faculty internship supervisor to achieve specific goals and objectives related to the program of study.

FURN 495 Experiential Furniture Design (5 Credits)

This course focuses on sponsored projects with the SCAD furniture design program and various industry partners. Students are exposed to the challenges of working for real clients to solve current problems in the furniture design field. Students employ both traditional and digital tools while working within a team environment to create solutions to meet project objectives and exceed client needs within this project-driven studio.

Prerequisite(s): Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 706 Exploration in Plastics (5 Credits)

Plastics and plastics processes are covered in the context of a wide range of applications and within a variety of industries. Through lectures, case studies, demonstrations, and small-scale exercises and projects, students become familiar with the vocabulary of plastics and plastics design. Criteria for the design of plastic components and identification of processing methods are discussed and applied.

Prerequisite(s): Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 708 3D Computer-aided Design for Furniture (5 Credits)

Through this course, students become proficient in industry-standard modeling software applications and how they allow for quick, accurate and transformable visualization of designs as a tool to facilitate communication between designer, engineer and client.

Prerequisite(s): Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 710 Issues in Furniture Design (5 Credits)

Through reading, writing and discussion, students explore the value of design and the role of furniture in our culture. With subtopics approaching sustainability, design methodology and ethics, among others, students examine contemporary discourse and establish their own design philosophy.

FURN 715 Methods in Furniture Fabrication (5 Credits)

Safe and proper use of studio fabrication equipment specific to and essential in the construction of furniture is covered in this course. Skills acquired in this course are instrumental to the effective production of furniture forms whether for testing, evaluation, presentation or exhibition. Students become familiar with and experience key processes involved in fabricating furniture artifacts large or small, providing the foundation for success in subsequent studios.

Prerequisite(s): Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 721 Wood Bending Methods (5 Credits)

In this course, students acquire and integrate the knowledge and practice of bending wood as it applies to furniture and accessories.

Prerequisite(s): FURN 715.

Attributes: Studio Elective Requirement

FURN 732 Evolution of Furniture Design (5 Credits)

Presented in a manner that informs and complements their design intentions, innovative interventions and creative intelligence, this course provides students an understanding of major design proponents, movements and historical trajectories relevant to furniture design. The course draws upon the historical lineage of furniture design and identifies the predominant breakthroughs, materials and techniques throughout history, with specific emphasis on theoretical and ideological developments and the effects of such historical events.

FURN 738 Furniture Studio: Design and Implementation (5 Credits)

Students focus on a design project that considers the human experience with furniture in the built environment. The student applies acquired skills and knowledge toward solving a multifaceted furniture design problem of either a predetermined or proposed context. Students develop comprehensive documentation of sources, analysis and synthesis that supports the intended design solution and demonstrates an understanding of material, functional and aesthetic requirements in the execution of the course project.

Prerequisite(s): FURN 715; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 742 Directed Research in Furniture Design (5 Credits)

As the result of extensive research, students demonstrate the ability to pursue an inclusive concept development process, including the core components of research methodology, analysis and material integration. The process culminates in a written statement for presentation to the M.F.A. 45-hour review and a narrative draft to accompany a body of work.

Prerequisite(s): FURN 738; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 748 Furniture Studio: Process and Prototype (5 Credits)

Students focus on a design project integrating research, content and the iterative process as applied toward the furniture form and its role in the built environment and market. Students create thorough documentation supporting and advancing design solutions and their feasibility relative to established design goals. Considerations of function and the material and technical requirements suggested by the design are addressed.

Prerequisite(s): FURN 715; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 749 Furniture Design M.A. Final Project (5 Credits)

All M.A. students in furniture design are required to complete a final portfolio project that represents the culmination of their academic program.

Prerequisite(s): FURN 738 and minimum score of 5 in 'Graduate Prerequisite Test'; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 754 Directed Studies I: Thesis Research, Application, and Design (5 Credits)

Application of learned research methodologies and demonstration of in-depth knowledge on furniture design form the basis for this course. Students plan and undertake the first phase of the intended body of work for their graduate project, leading to fully realized forms and the accompanying support documentation.

Prerequisite(s): FURN 742; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 760 Experimental Metal Fabrication (5 Credits)

In this course, students practice core and advanced processes in the exploration of metal as a machine and fabrication medium. Machine and material safety are integrated with a focus on the proper use of hand tools, metal identification, welding, and cold assembly techniques.

Prerequisite(s): FURN 715; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 764 Directed Studies II: Thesis Development, Execution, and Exhibition (5 Credits)

Evaluation, refinement and focus of the topic investigation provide opportunities for the student to build on the first phase of the graduate thesis project. Deeper analysis, investigation and understanding are reflected in the execution, presentation and documentation of the second phase of the graduate project and exhibit planning.

Prerequisite(s): FURN 754 and minimum score of 6 in 'Graduate Prerequisite Test'; Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 769 Soft Furnishings (5 Credits)

Students acquire knowledge of sewing technology, patternmaking, structural design and upholstery techniques. Students conceptualize, develop, design and execute a soft furnishing ensemble constructed from available and alternative materials applicable to varied aesthetic and functional purpose.

Attributes: Studio Elective Requirement

FURN 770 Professional Portfolio: Entrepreneurial and Business Strategies (5 Credits)

In this course, students prepare to enter their career field. Topics include developing professional contacts, interviewing skills, portfolio and refined résumés. Graduate students develop a comprehensive package to prepare for employment, based on improved skill sets and capabilities. In-class learning is augmented by visiting furniture manufacture and design facilities in the area.

Attributes: Studio Elective Requirement

FURN 779F Graduate Field Internship (5 Credits)

Students in this course undertake a field assignment under the supervision of a faculty member.

FURN 779T Graduate Teaching Internship (5 Credits)

Students in this course undertake a teaching assignment under the supervision of a faculty member.

FURN 783 Furniture Design Experiences (5 Credits)

This course focuses on sponsored projects with the SCAD furniture design program and various industry partners. Graduate students are exposed to the challenges of working for real clients to solve current problems in the furniture design field. Students employ both traditional and digital tools while working within a team environment to create solutions that meet project objectives and exceed client needs within this project-driven studio.

Prerequisite(s): Liability waiver is required.

Attributes: Studio Elective Requirement

FURN 790 Furniture Design M.F.A. Thesis (5 Credits)

As the pinnacle of the furniture design M.F.A. degree program, students complete a graduate-level thesis that presents a mature, resolved body of work, and demonstrates advanced professional competence through mastery of the technical, creative and aesthetic elements of the discipline. Students earning an M.F.A. in furniture design seek creative design solutions by engaging in research and thorough reflection of design opportunity, intent and process, culminating in a thesis that expands the body of knowledge in the field of furniture design.

Prerequisite(s): minimum score of 6 in 'Graduate Prerequisite Test' and FURN 764; Liability waiver is required.