Interdisciplinary Programs

In addition to traditional professional and academic degrees and certificates offered within the Architecture and Design departments, the School offers interdisciplinary academic and professional degrees that combine strengths from both departments. These School-level degree programs address unique and growing professions and academic fields that are emerging between the disciplinary boundaries of traditional departments in higher education. While these interdisciplinary degree programs have their own faculty, they are also supported by affiliated faculty in both departments who have special expertise that contributes to the degree programs requirements.

Courses

IAD 208. Interior Architecture and Design Studio I. 3 Hours.
This second-year design studio is responsible for introducing students to the basic application of design determinants of interior architecture in which precedents research, programming, design, and presentation skills are developed. Design solution methodologies for small and medium scale interior spaces allow students to explore spatial configurations, programming, user centered design solutions, human psychology, behavior in space. There is an introduction to accessibility requirements. Students will learn to demonstrate their explorations with verbal presentations and visual communication skills including but not limited to sketching, diagramming, photography, digital representations and physical models. Prerequisite: ARCH 108 Architecture Foundations I and ARCH 109 Architecture Foundations II. LAB.

IAD 209. Interior Architecture and Design Studio II. 3 Hours.
A continuation of IAD 208 Interior Architecture Studio, the emphasis of this design studio is to develop the application of design determinants in which architecture/design precedent study, programming, materials and furniture integration, and presentation skills are developed. Design solution methodologies for medium scale interior spaces allow students to explore complex spatial configurations and programming, user centered design solutions, furnishings, manufactured products, materials and finishes integrations. Students further develop design skills to address human psychology and behavior in space, and the ability to apply accessibility requirements in their design solutions. Students will demonstrate their explorations with written narratives, verbal presentations and visual communication skills not limited to sketching, diagramming, photography, digital representations, and physical models. Prerequisite: IAD 208 Interior Architecture and Design Studio I. LAB.

IAD 508. Interior Architecture and Design Studio III. 3 Hours.
This third-year design studio builds on the skills developed in the second-year IAD Studios. It covers design development of a nonresidential medium scale project. Students work individually to explore application of complex programming, spatial configuration, sustainability, lighting design, acoustics, psychology of a space, human experience, and ability to apply code and accessibility requirements to their projects. Students will explore manufactured products and furniture systems with an emphasis on material selections and specifications. Students will demonstrate their explorations with written narratives, verbal presentations, and visual communication skills including but not limited to sketching, diagramming, photography, digital representations and physical models. Prerequisite: IAD 209 Interior Architecture and Design Studio II. LAB.

IAD 511. Ergonomics. 3 Hours.
This course focuses on analyzing human perception and behavioral patterns in the built environment and the study of natural, cultural, social and ethical patterns and rituals. Students will survey and design a series of solutions for design problems addressing relationships between the organic and human-made environments as they relate to human experience. These explorations will be demonstrated by written narratives, universal design solutions, wayfinding techniques and ergonomics studies. Prerequisite: Must be admitted to the IAD degree plan. LAB.

IAD 520. Products Materials and Specifications. 3 Hours.
This course is an introduction to the application of materials, processes, specification, and craft in the construction of the built environment. Along with presenting the information required for understanding the basic principles and appropriate application and performance of construction systems and assemblies, the course also provides a conceptual framework to bridge between the physical conditions of construction related to materials selection and the abstract processes of tectonics design. Students will demonstrate their explorations through different methods including model building and hands-on building experiences. Prerequisite: Must be admitted to the IAD degree plan. LAB.

IAD 522. Furniture Design. 3 Hours.
This course explores the methodology of furniture design and construction. Investigative studies of theory, materials and construction methods of classical, modern, and contemporary furniture design result in a basic knowledge of human factors, design processes, and tectonics. Students will develop skills in design and construction of a piece of furniture from using interior millwork to advanced digital technology. Prerequisite: IAD 520 Products, Materials and Specifications. LEC.

IAD 541. History of Interior Architecture. 3 Hours.
This lecture course offers a survey of interior spaces and built environments in relationship to historical, architectural, religious, political, cultural, and social context of different eras. This course provides a global overview of the historical evolution of interior spaces and furnishings from pre-historic times to the 20th century and covers geographical areas of Europe, America, Latin America, Asia, Middle-East and Africa. Students will be asked to demonstrate their learnings in the form of research, drawings, and written papers. Prerequisite: ARCH 104 and ARCH 540. LEC.

IAD 608. Professional Internship and Documentations. 6 Hours.
Students will have an opportunity to work in a professional firm approved by the IAD program. In addition to the work experience students will document their internship or relevant work experience. The purpose of this course is to give students a structured opportunity to select, explore, research, and document a topic relevant to their internship experience. Prerequisite: IAD 508 Interior Architecture Studio III. LAB.

IAD 609. Integrated Interior Architecture Design Studio. 6 Hours.
An advanced studio with an emphasis given to the student's demonstration of integration of all previously learned design skills. These include program analysis, space configuration, formal design composition, structure, materials and methods of construction, technical development of interior spaces, environmental systems, lighting design, acoustics, code and regulation compliance, and principles of sustainability. Students should also demonstrate an appropriate awareness of history, theory, and culture of the given context. The level of project development should be demonstrated by technically precise drawings and well-researched written documentation in additional to other means of representation. Students work in groups and with professional consultants. Prerequisite: IAD 508 Interior Architecture Studio III. LAB.
IAD 690. Study Abroad. 5 Hours.
Students participate in a study abroad program approved by the IAD program. Students will be evaluated upon a submitted journal, sketchbook, or equivalent assignments assigned by the instructor. Graded on a satisfactory/unsatisfactory basis. Prerequisite: Must be admitted to the IAD Degree program. IND.