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

IA 208. Interior Architecture 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.

IA 209. Interior Architecture Studio II. 6 Hours.
A continuation of IA 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: IA 208 Interior Architecture Studio I. LAB.

IA 359. Special Problems. 1-3 Hours.
Special problems in Interior Architecture. This study of a particular problem in Interior Architecture involving individual research and presentation, conferences and reports. Prerequisite: Student must submit to his/her faculty advisor in advance, a statement they wish to pursue. The instructor must give permission to study with the student. IND.

IA 405. Professional Communications Skills. 3 Hours.
This course is an introduction to visual and oral communication skills. It will build practical skills to design and communicate ideas to a variety of audiences. This practice-based approach will introduce the students to two major fundamentals of communications. Oral competency, through presentations and writing; and visual communications through composition, color theory, typography and branding. The students will have an opportunity to present their work through one on one discussions, small and large group presentations. The course is intended to equip students with the practice-based tools to communicate and demonstrate their design ideas in relation to different fields and to a variety of audiences in practical situations. Prerequisite: Must be admitted to the BS Interior Architecture degree. LEC.

IA 508. Interior Architecture Studio III. 3 Hours.
This third-year architecture studio builds on the skills developed in the second-year IA 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: IA 209 Interior Architecture Studio II. LAB.

IA 509. Design-Build Studio. 6 Hours.
A continuation of the Interior Architecture studio sequence with major emphasis on materiality and construction of built assemblies through hands-on activities. Development of craft, process, collaboration and technical documentation skills will be primary objective of the course. Prerequisite: Must have completed IA 209 Studio. LAB.

IA 510. Human Factors in The Built Environment. 3 Hours.
This course provides an introduction to human factors theory, data, and analysis from an architectural perspective. Topics covered include how proxemics, anthropometrics, ergonomics, and material choices in the built environment impact our psychology, behaviors, and health. Furthermore, students will learn how human-centered design can be used to create optimal environments for diversity and inclusion. Open to students enrolled in the Interior Architecture degree. Restricted to students in the IA program. Prerequisite: Must be admitted to the IA program. LEC.

IA 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 ethnical 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 IA degree plan. LEC.

IA 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 selections 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 IA degree plan. LEC.

IA 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.

**IA 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: Student must be in the IA program and have taken ARCH 540, LEC.

**IA 608. Professional Internship. 6 Hours.**
Students will have an opportunity to work in a professional firm approved by the IA 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: IA 508 Interior Architecture Studio III. LAB.

**IA 609. Integrated Interior Architecture 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: IA 508 Interior Architecture Studio III. LAB.

**IA 690. Study Abroad. 5 Hours.**
Students participate in a study abroad program approved by the IA 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 IA Degree program. IND.