

INTERIOR ARCHITECTURE (IARC)

IARC 601: Design 3 for Interior Arch

Building on skills and knowledge introduced in Design I and Design II, this studio focuses on the process of designing multi-space facilities. Through structured, medium scale design projects, students engage in the conceptual, theoretical, functional, and aesthetic issues, integrating research and evidenced based decision making with the intuitive nature of the design process. Emphasis is placed on the fundamental processes related to the development of a complete interior, from research, programming and space planning, to the selection and arrangement of appropriate furnishings and finishes. Students will also explore the influence of behavioral, socio-economic, and cultural factors on the functional and aesthetic quality of the built environment, and will communicate their designs by applying a range of professional presentation techniques.

Credits: 4

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Studio

IARC 602: Design 4 for Interior Arch

This studio emphasizes the resolution of complex design issues in the context of health care interiors. In determining a design strategy, students research, develop and analyze the problem, relevant environment and behavioral factors, and then proceed with a completed design. Holistic development of concept, current sustainable design solutions, large-scale space planning, materials, construction details, lighting design, building systems, building codes, handicapped accessibility and furnishings are emphasized in the completed work.

Credits: 4

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Studio

IARC 603: Hist of Design 2 for Int Arch

This course is an overview of the history of interior architecture and design, furniture, and the decorative arts. Lectures, readings, assignments and field trips, cover the development of period styles, major movements, and theoretical concepts of design as they relate to the complete interior. In depth discussions and site visits will focus on critical analysis and developing awareness of historical precedents.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lecture

IARC 604: Vis 4: Constuction Documentation

This Revit-based advanced digital imaging course focuses on the advantages of building modeling software (BIM) and related documentation techniques for integrated practice and collaboration. Students will build their knowledge of professional interior construction and specification documentation, produce a set of construction drawings for an interiors project, and explore other uses for this powerful and important type of program.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Hybrid, Lab, Lecture, Lecture/Lab, On-Line

IARC 607: Interior Building Technology

This course provides an overview of basic structural principles and systems and an in-depth study of non-structural interior construction and finish materials. Lectures and assignments address how the planning of interior space is impacted by the nature of various structural systems, and examine the visual and physical properties, application, and maintenance requirements of interior materials. In addition students are introduced to interior detailing in relation to architectural woodwork, millwork, partitions, floors, ceilings, stairs, custom cabinetry, furniture and specialty elements. The influence of sustainability and building codes on the choice of materials is also covered.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lab, Lecture, Lecture/Lab

IARC 608: Light and Color

This second course in the Interior Architecture technology sequence introduces students to the art and science of interior illumination, energy usage, and various control systems including power, security, communications, and life-safety. Both artificial illumination and day lighting are covered with an emphasis on the architectural aspects of lighting design. Though lectures, demonstrations, and assignments, student explore various lighting design strategies, the effects of light on color, and how effective lighting can contribute to the goal of creating a sustainable interior.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lab, Lecture

IARC 610: Text & Materials for Interiors

This course focuses on the art and science of textiles, and other non-textile based wall coverings in the creation of safe, sustainable, and aesthetically pleasing commercial and residential interiors. Key topics include the history of textile design and manufacture, man-made and synthetic fibers, methods of construction, weaving, dyeing, and printing, and inherent performance characteristics. Lectures and assignments cover textile finishing and testing, as well as relevant codes, regulations and standards. Students also learn about the appropriate selection, specification, and procurement of materials and finished goods such as carpeting, upholstery, wall coverings, and window treatments and their correct installation and maintenance requirements.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lecture

IARC 612: Adv Visualization: Interiors

This computer-aided design course teaches advanced three-dimensional modeling, rendering, and some animation techniques with a focus on interior environments. Emphasis is placed on the accurate and realistic representation of interior space, form, materials, furniture, color, and lighting. Students will also learn to present their designs by creating virtual walkthroughs. This will increase the effectiveness of student representations and presentations of their designs. Students complete a series of specifically designed exercises and projects of increasing difficulty leading to a final project. of the student's choosing from a concurrent or earlier design studio.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lecture, Lecture/Studio Combination, Studio

IARC 614: Furniture Design

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Lecture, Studio

IARC 616: Environments for Well-Being

This course provides an introduction to a range of viewpoints, concepts, and characteristics of human behavior in existing designed spaces. Cultural, social, and psychological factors are examined, e.g., relationships to water, responses to open and enclosed spaces (both interior and exterior), roles of textures and aromas, relationships to the natural environment, etc. Various theories and methods of environmental assessment and design are studied that are based on an understanding of mutually supportive relationships between people and their physical environment. This course looks at how people use and are impacted by various environments and stimuli from a range of cultural, psychological and physical perspectives.

Credits: 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Lecture**IARC 701: Design - Study Away****Credits:** 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Studio**IARC 702: Design 5 for Interior Arch.**

This advanced studio emphasizes the resolution of complex interior design issues in the context of interdisciplinary collaboration. In determining a design strategy, students research, develop and analyze the problem, relevant environment and behavioral factors, and then proceed with a completed design. Holistic development of concept, current sustainable design solutions, large-scale space planning, materials, construction details, lighting design, building systems, building codes, handicapped accessibility and furnishings are emphasized in the completed work.

Credits: 4**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Studio**IARC 703: Theory for Design- Study Away****Credits:** 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Lecture**IARC 707: Interior Building Systems**

This final course in the technology sequence focuses on the study of a broad range of mechanical, plumbing, HVAC, and other building systems and their integration with interior construction. Students are be introduced to the issues of acoustical control, indoor air quality, and life safety in building interiors and the critical role that interior building systems and materials play in the establishment of human comfort and the protection of the health, safety and welfare of building occupants.

Credits: 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Lab, Lecture, Lecture/Lab**IARC 708: Professional Practice/Ethics**

Students in this course learn about the managerial, financial, legal, and ethical aspects of professional practice, including types of business formations, marketing, contracts, industry relationships, and project management. Lectures and assignments cover the range of specialized services performed by design firms, and the role and responsibilities of the designer in different positions and at various stages of their career. The importance of lifelong learning, professional development, and the value and role of professional associations is also discussed.

Credits: 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Lecture**IARC 709: Research and Programming**

This course provides the foundation for the Master's Project for Interior Architecture course in the following semester, and covers standard and emerging methods of research and programming in the field of interior design and architecture. In consultation with faculty, students will select a project type and site, and produce in-depth research, precedent studies, programming and analysis, embracing relevant issues such as cultural, sociological, political, economic, environmental, anthropometric, human factors, life safety, and construction methods and technologies, amongst others. Students are expected to organize and synthesize this information and document their research in both written and graphic form. This information along with architectural documentation and analysis of the selected site is presented to a group of jurors with expertise in the area of research and/or project type.

Credits: 3**College:** Jefferson Coll of Architecture & Built Environment**Prerequisites:** IARC 602 [Min Grade: C]**Schedule Type:** Lecture, Lecture/Studio Combination, Studio**IARC 710: Masters Proj for Interior Arch**

Building on the semester of research and programming (IARC-709), the Master's Project in Interior Architecture challenges students to integrate knowledge and skills acquired throughout the curriculum and can be undertaken only after successful completion of appropriate coursework. While most students will complete this course using an applied project based approach, students have an option of pursuing theoretical research. Thesis/Applied: This major culminating design experience is a self-directed, faculty monitored independent study appropriate for students interested in exploring the creative/design dimensions of Interior Architecture while exploring a significant and advanced question in the discipline. Students select one project from a range of carefully screened design projects of appropriate and comparable scope, sophistication, and complexity. Thesis/Theoretical: The thesis option is a self-directed, faculty monitored independent study appropriate for students interested in exploring theoretical dimension(s) in Interior Architecture. The thesis option will be attractive to students interested in pursuing doctoral studies and/or academic careers.

Credits: 4**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** Hybrid, Studio**IARC 797: Special Topics for IA**

This course provides an opportunity to explore topics in interior architecture not developed in other courses. Examples include advanced visualization techniques, human behavior studies, specialized history/theory topics, furniture design, ergonomics, environmental psychology, and more. Students may take this course more than once as the topics differ each time it is offered. Prerequisite: IARC-601 (with approval by director) or IARC-604

Credits: 3**College:** Jefferson Coll of Architecture & Built Environment**Schedule Type:** By Appointment, Lecture, Lecture/Lab

IARC 798: Independent Study

This course will allow students to pursue individual areas of interest while working closely with a faculty member. For further details, see the general description of Independent Study in the "University Academic Policies and Procedures" section of the academic catalog. See appropriate form online at the University Registrar's web page for more information. Prerequisite: Completed second year of program. Enrollment dependent on availability of faculty mentor and permission of program director.

Credits: 3

College: Jefferson Coll of Architecture & Built Environment

Schedule Type: Independent Study