



**NEW JERSEY INSTITUTE OF TECHNOLOGY
COLLEGE OF ARCHITECTURE AND DESIGN**

COMMERCIAL DESIGN – ENTERPRISE DEVELOPMENT CENTER

COURSE: INT 364 – Interior Design Studio IV (5 credits)
PROGRAM: Interior Design/School of Art + Design
LOCATION: Third-year studio course/spring term (undergraduate)
INSTRUCTOR: Julio Figueroa

DESCRIPTION: A studio course that offers advanced introduction to commercial design, with a particular focus on office interior environments for current generation workers. Students are exposed to client requirements as well as sociological, physiological, and psychological aspects of design while using the site and building context to develop the spatial and physical character of the interior space. This course includes and makes links to issues of sustainability and buildability.

PROJECT: The semester-long project includes the programming and design of more than 55,000 square feet over three floors in the NJIT Enterprise Development Center, a public/private initiative supporting technology-focused start-ups in northern New Jersey/New York City metropolitan area. To attract younger (i.e. “millennial”) workers, student designers are asked to re-imagine the work environment/work typologies and amenities that should be offered to tenants. Students are expected to apply the knowledge acquired in previous technical courses like Building and Interior Systems to resolve conceptual, technical, aesthetic, and functional aspects of the design.

REQUIREMENTS: Prepare a full set of documents explaining the design proposal as well as the research and evidence behind decisions made to incorporate millennial tenant spaces and “typologies of working.” Prepare plans, interior elevations, furniture and finish schedules, and a series of renderings of both working and collaborative spaces (e.g. cafeteria, lounge(s)/lobby, group work spaces).

OBJECTIVES: (1) To engage in the practice of a design process that facilitates the resolution of an interior design problem. (2) To gather appropriate and necessary information and research findings to resolve design issues (evidence-based design). (3) To evaluate, select, apply and synthesize information and research findings to generate multiple concepts and/or multiple design responses to programmatic requirements. (4) To demonstrate creative thinking and originality through presentation of a variety of ideas, approaches, and concepts for a commercial environment. (5) To include learning experiences that engage students in collaboration, consensus building, leadership, and team work. (6) To produce competent presentation drawings across a range of appropriate media. (7) To provide opportunity and continued practice during which students select and apply appropriate materials and products on the basis of their properties and performance criteria, including environmental attributes and life cycle cost. (8) To be able to layout and specify furniture, fixtures and equipment. (9) To understand the relationship of building and environmental control systems as an integral component of interior design solutions for commercial office environments. (10) To demonstrate knowledge and application of interior construction and building systems. (11) To encourage thinking and creative interpretation of the project’s overriding goals, the formal language and character of the design, the organization, group interaction, and privacy. (12) To demonstrate craft and integrity in the model and drawings. (13) To increase communication skills, visual, and verbal presentation. (14) To understand the ADA (American with Disabilities Act) regulations and standards, specifically as it applies to building entrances, interior circulation, and bathroom facilities.

RESOURCES: Students will take field trips to commercial furniture showrooms in New York City. Students create work in dedicated studio space with access to software on the College of Architecture and Design network. Primary modeling application will be Autodesk Revit.