



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

### ***URBAN AERIE***

**COURSE:** INT 363 – Interior Design Studio III (5 credits)  
**PROGRAM:** Interior Design/School of Art + Design  
**LOCATION:** First semester junior studio course/fall term  
**INSTRUCTOR:** David Brothers

**DESCRIPTION:** A hands-on studio course that focuses on residential design and scale, with an emphasis on (sometimes idiosyncratic) needs of individual clients. Emphasis is placed on the use of information technology/digital media in the design process and the presentation of design proposals. Preliminary integration of multiple technical variables is included. Students are also required to develop and analyze multiple solutions for multiple sites and present reasons for the decisions made.

**PROJECT:** Design in detail the interior space of a condominium near Logan Airport in East Boston that combines two existing units with a total area of approximately 2,000 square feet. Clients are 50-something “empty nesters” looking to downsize from a single-family home. The design must accommodate the collection of textiles and artifacts that they have collected – specifically valuable Turkish tapestries and ancient Imari pottery from Japan – each of which must be kept from direct sunlight. There must be hanging and display space as well as considerable storage. The clients are amenable to the purchase of all new furniture. There are two sets of two units – one set with stacked units to be combined, and another with adjacent units. Students are to analyze both options prior to deciding on one.

**REQUIREMENTS:** In general, the combined units must create a home that contains places for entertaining, relaxing, cooking, eating (table for six), sleeping, working, and bathing. Students are responsible for both the plumbing and HVAC arrangements within the unit. All furnishings, lighting, and plumbing fixtures must be specified and evident in renderings/visualizations of the design.

**OBJECTIVES:** (1) To understand and appropriately apply theories of human behavior related to concepts of home, place identity and place attachment for residential environments. (2) To gather appropriate and necessary information and research findings to resolve programmatic 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 produce competent presentation drawings across a range of appropriate media. (5) To learn about, and apply the use and selection of appropriate materials and products on the basis of their properties and performance criteria, including environmental attributes and life cycle cost. (6) To be able to lay out and specify furniture, fixtures, and equipment. (7) To understand the relationship of building and environmental control systems as an integral component of interior design solutions. (8) To demonstrate knowledge and application of interior construction and building systems.

**REFERENCES:** (1) De Chiara, Joseph with Julius Panero and Martin Zelnik. *Time-Saver Standards for Interior Design and Space Planning/2nd Edition*. (2) De Chiara, Joseph and Michael J. Crosbie. *Time-Saver Standards for Building Types/4th Ed.* (New York: Mc-Graw Hill, 2001). (3) Harmon, Sharon Koomen and Katherine E. Kennon. *The Codes Guidebook for Interiors*. (Hoboken, NJ: John Wiley & Sons, 2008). (4) Mitton, Maureen and Courtney Nystuen. *Residential Interior Design: A Guide to Planning Spaces/2<sup>nd</sup> Edition*. (Hoboken, NJ: Wiley, 2011). (5) Neufert, Ernst with Peter Neufert, Bousmaha Baiche, and Nicholas Walliman. *Architects’ Data/3rd Edition*. (Hoboken, NJ: Wiley-Blackwell/John Wiley & Sons, 2002). (6) Pile, John and Judith Gura. *History of Interior Design/4<sup>th</sup> Edition*. (Hoboken, NJ: Wiley, 2013).