NJIT

NEW JERSEY INSTITUTE OF TECHNOLOGY
COLLEGE OF ARCHITECTURE AND DESIGN

RESIDENTIAL INTERIOR DESIGN (VISUALIZATION AND DESIGN)

COURSE: INT 363 – Interior Design Studio III (5 credits)
PROGRAM: Interior Design/School of Art + Design
LOCATION: Third-year studio course/fall term (undergraduate)
INSTRUCTOR: Adam Raiffe

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 deal with issues that include programmatic complexities, aesthetic choices, building systems integration, material and furniture specifying processes, and code requirements.

PROJECT: Design in detail the interior space of a residential structure in disrepair in New Jersey. The client is an artist/craftsperson and the project must include space for working and displaying the work. An existing garage may (or may not, at the discretion of the designer) be converted into living space.

REQUIREMENTS: A complete set of design documents must be provided that include all floor plans (furnished), kitchen details and interior elevations, cross-section through double-height space(s), renderings (kitchen, public area, master bedroom).

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/2nd 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/4th Edition*. (Hoboken, NJ: Wiley, 2013).