



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

HEALTHCARE DESIGN

COURSE: INT 363 – Interior Design Studio III (5 credits)
PROGRAM: Interior Design/School of Art + Design
LOCATION: First semester third year studio course/spring term (undergraduate)
INSTRUCTOR: Kathleen Sowle

DESCRIPTION: A studio course that offers advanced introduction to residential design, dealing with a combination of clients and living conditions that include individual, single-family, multi-family, and institutional (with emphasis on healthcare and residents with a range of physical challenges).

PROJECT: Program and design a family-friendly healthcare environment for children. The project is to be accomplished with two-person student teams during a time period not to exceed two weeks and is part of the annual Interior Design Educators Council (IDEC) student competition.

REQUIREMENTS: Program and design an acute care facility for children and/or young adults that promotes “healing and well-being” and allows for comfortable interaction between patient and parents. The design of the project must include documented research about healthcare design and the targeted user group, and show an explicit connection between information found and solutions proposed. The final presentation consists of research conclusions, proposed floor plans, renderings, and schedules for furniture, fixtures, lighting, and finishes.

OBJECTIVES: (1) 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. (2) To develop an understanding of an integrated approach to design that clearly demonstrates a personal design sensibility, a clear idea linked through conceptual, technical, constructive, and performative criteria. (3) To understand and apply principles of evidence-based design. (4) To develop, resolve, and implement functional programmatic relationships and technical verification of the project concept. (5) To understand the ADA (American with Disabilities Act) regulations and standards, specifically as it applies to building entrances, interior circulation, and healthcare facilities. (6) To provide an opportunity to reinforce, review, and apply principles of color theory and emotional reaction to color in a design setting. (7) To foster collaborative work in research and design with individuals from the same discipline of interior design.

REFERENCES: (1) Cama, Rosalyn. *Evidence-based Healthcare Design*. (Hoboken, NJ: John Wiley & Sons, 2009). (2) Marberry, Sara O. (editor). *Healthcare Design*. (New York: Wiley, 1997). (3) Miller, Richard L. and Earl S. Swensson. *Hospital and Healthcare Facility Design*. (New York: W.W. Norton, 2002). (4) Kobus, Richard L. et. al. *Building Type Basics for Healthcare Facilities/2nd Edition*. (Hoboken, NJ: John Wiley & Sons, 2008). (5) Yee, Roger (editor). *Healthcare Spaces Number 2*. (New York: Visual Reference/Watson-Guptill, 2004). (6) Yee, Roger (editor). *Healthcare Spaces Number 3*. (Scranton, PA: Enfield/Publishers Group UK, 2006). (7) Rhoads, Marcela Abadi. *Applying the ADA: Designing for the 2010 Americans with Disabilities Act Standards for Accessible Design in Multiple Building Types*. (Hoboken, NJ: John Wiley & Sons, 2013).