

# HEALTHCARE DESIGN (HCD)

## HCD 60000 HEALTHCARE DESIGN STUDIO 6 Credit Hours

Course integrates and applies expert knowledge in healthcare design. Projects demonstrate solutions through design, case study analysis and in collaboration with industry and healthcare partners.

**Prerequisite:** Graduate standing.

**Schedule Type:** Studio

**Contact Hours:** 6 other

**Grade Mode:** Standard Letter

## HCD 60092 PRACTICAL EXPERIENCE 1 Credit Hour

Course offers students multiple options that allow for first-hand experience with a healthcare facility design project or environment; and to develop professional communication skills, job search skills and how to navigate starting a career in healthcare design.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 1 other

**Grade Mode:** Standard Letter

## HCD 60100 HEALTHCARE SYSTEMS WORKSHOP 3 Credit Hours

Course integrates the knowledge-base gained in other core courses into design evaluations and solutions, helping students apply what they have learned in practice. Focus is on learning about other healthcare systems, design trends and research applications. Students deliver a design project and/or a report of the field trip.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

## HCD 60101 HEALTHCARE DESIGN WORKSHOP: CULTURE AND ETHICS 3 Credit Hours

Course integrates the knowledgebase gained in other courses into design evaluations and solutions, helping students apply what they have learned in practice. Focus is on a small design project.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

## HCD 61099 MASTER'S PROJECT RESEARCH 3 Credit Hours

Students learn research methods, evaluate precedents and conduct a guided research study investigating specific design goals and parameters in preparation for their individual master's project. They learn to use and apply research and evidence in the healthcare design process. Students use their findings to establish and define design guidelines that help inform their master's projects.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Project or Capstone

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

## HCD 62099 MASTER'S PROJECT STUDIO 6 Credit Hours

Focused on an individual student's defined master's project topic. Projects will include site selection, site analysis, and demonstrate creative solutions through design. The course concludes in the design of the topic established in Master's Project Preparation. This is the culminating course for the master's degree in Healthcare Design. This course will be overseen by the course instructor in collaboration with design practitioners.

**Prerequisite:** HCD 61099; and graduate standing; and special approval.

**Schedule Type:** Project or Capstone, Studio

**Contact Hours:** 12 other

**Grade Mode:** Standard Letter

## HCD 63001 EVIDENCE-BASED DESIGN IN HEALTHCARE 2 Credit Hours

Course offers the knowledge and skills required for applied research, and the use of credible data in the design decision-making process. Encompasses the evidence-based design (EBD) process, and how it applies in projects.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## HCD 63002 HEALTHCARE FACILITIES 2 Credit Hours

An investigation of the history and types of healthcare facilities, design guidelines and basic planning and programming requirements for their planning and design.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## HCD 63003 ENVIRONMENTAL SYSTEMS AND MATERIALS IN HEALTHCARE 2 Credit Hours

An investigation of architectural finishes, furnishings, mechanical systems and lighting in healthcare settings.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## HCD 63004 ENVIRONMENTS OF CARE AND PATIENT POPULATIONS 2 Credit Hours

Course explores the functional, operational and person psychosocial requirements for different patient populations. Focus is on how design can respond to specific patient population needs.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

## HCD 63005 PATIENT SAFETY AND SYSTEMS THINKING 2 Credit Hours

Course introduces systems engineering initiative for patient safety as a major interdisciplinary approach known as systems thinking. Covers the basics of human factors in healthcare and the interactive relationship between humans and the environment; including the factors contributing to patient safety in healthcare settings, and the role environments play in patient safety.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter