A Health Care System Experience Class
ISE 509   4 Units

Health care seeks trained people to solve its unique problems. Job opportunities at hospitals are extensive. Employment has often resulted from this course in the past. The pandemic raised the challenges still further

Hospitals are changing more than ever, thanks to the pandemic. All sorts of new issues are in their supply chain, clinical workflow, and data analytics, which desperately need your help. ISE 509 will offer a unique and valuable experience. Recently in this class, a group of students and I completed a meaningful project at a large hospital's emergency department to improve performance and another implementing AI tools.

Want to see what is really going on in healthcare? You will work with a hospital's doctors and nurses to find solutions to their pressing operational problems.

This spring's 2025 course offers you the opportunity to gain experience in the real environment of the healthcare setting. You will learn and use the latest tools for improving real systems through work with hospitals and clinics as well as with experts in the field. Available online and in person.

Course Description:

Students will choose their project from several available at the first meeting. Typical past projects include improving patient flow in surgery, reducing emergency department delays, employing new technology, simulation modeling, improving a clinic's productivity, patient safety with AI, applying Lean methods, plans for a command center for a medical campus, data analytics, and more.

We will have guest speakers from various healthcare organizations. The hospitals have developed ways for meaningful work to be done online and are anxious for your help!

Past student projects at: Keck Medical Center, Cedars-Sinai Medical Center, VA Hospitals, Children's Hosspital of Los Angeles, LA County Hospitals, safety net neighborhood clinics, Kaiser Hospitals, San Francisco General Hospital, rural hospitals and others.