

Health Care Experience Class

ISE 509 31509D & 31726D Practicum in Health Care Systems,
3 Units



Health care needs and is hiring trained people to solve its unique problems. Job opportunities at hospitals are common. Employment has often resulted from this course in the past.

Significant hospital improvement projects can be done online. This past semester, a group of students and I completed a meaningful project at a large hospital's surgery department to improve performance. Healthcare needs systems redesign more than ever. All sorts of new issues in logistics, safety, clinical workflow, data analytics desperately need help. In this class, I have arranged for access to projects within current restrictions. ISE 509 will offer a unique and valuable experience.

You will work with the hospital's doctors and nurses to find solutions to a pressing operational problem. Implementing telemedicine and new technology may be one or more of the available projects.

This spring's 2021 course offers you the opportunity gain experience in the real environment of the health care 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.

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, applying Lean methods, plans for a command center for a medical campus, data analytics and more.

We will have guest speakers from various health care institutions and 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, LA County Hospitals, safety net neighborhood clinics, Kaiser Hospitals, San Francisco General Hospital, and rural hospitals.