Content
Students specializing in health systems are expected to develop skill in analysis of critical issues in health care, including, health promotion and disease prevention, health care delivery systems including long term care, quality improvement and management, health care technology, and program and systems evaluation. The qualifying examination in health systems assesses students’ skills and knowledge in the design, measurement and modeling of health care systems the evaluation of health care programs, and the application of technology and information systems to health care.

Format
Closed book four-hour written exam with questions from the following areas:
1. Foundations of health systems engineering
2. Decision making and modeling in health care
3. Healthcare information systems
4. Health care performance evaluation
5. Sociotechnical systems in health care

Recommended readings


**Recommended courses**
ISyE 417 Health Systems Engineering
ISyE 517 Decision Making in Health Care
ISyE 617 Health Information Systems

**Relevant Courses**
ISyE 601 Stochastic Models in Production and Healthcare Systems
ISyE 653 Organization and Job Design
ISyE 555 Human Performance and Accident Causation

**Faculty**
Oguzhan Alagoz (coordinator)
Pascale Carayon
Jingshan Li
Eneida Mendonca
Nicole Werner