

Health Systems Science: Course Goals and Objectives by SSOM Competencies

Medical Knowledge

1. (MK1.6) Develop a foundation in evidence-based medicine with emphasis on:
 - a. Measurement, Variability, Distributions, and Probability
 - b. Screening and Diagnostic Testing
 - c. Study Design and Sampling
 - d. Study Outcomes
 - e. Study Error
 - f. Statistical Tests and Research Ethics

Interpersonal and Communication Skills

1. (IPS 3.3) Demonstrate the ability to work with peers in a small group setting to explore health systems case studies.
2. (IPS 3.6) Contribute to peer education through participation in small groups.

Practice-Based Learning and Improvement

1. (PBL 4.4) Develop a foundation for quality improvement and patient safety.
2. (PBL 4.4) Describe tools utilized for driving quality improvement and analyzing patient safety events.
3. (PBL 4.5 and SBP 6.1)) Summarize the relationships between quality, cost, and value in an exploration of value-based care.
4. (PBL 4.4 and SBP 6.4) Recognize social determinants of health and the role of physicians in health equity.

Professionalism

1. (PROF 5.1) Demonstrate responsible behavior in completing all course requirements, including participation in small groups.
2. (PROF 5.2) Demonstrate professionalism in communication defined as effective, accurate, collaborative and collegial.

Systems Based Practice

1. (SBP 6.1) Define health systems science and its relationship to basic and clinical sciences.
2. (SBP 6.2) Explain how components of health systems affect the health at the population level.
3. (SBP 6.1) Recognize the basics of the health care insurance industry: Medicare, Medicaid, and other models of insurance.
4. (SBP 6.1) Explain the relationships between health policies, healthcare, and population health
5. (SBP 6.1) Compare health care delivery models and their relationships to U.S. health economics and healthcare policy.
6. (SBP 6.3) Identify key medical-legal concepts pertaining to HIPAA, medical errors, and malpractice.
7. (SBP 6.3) Explain the role of healthcare informatics in health care delivery.

Interprofessional Collaboration

1. (IPC 7.1) Recognize team-based models of healthcare and the role of a physician leader.