

Second Discipline in **Health Management and Policy**

Required:

HMP 401, US Health Care Systems
HMP 511, Introduction to Health Information Systems
HMP 712, Health Analytics

Electives: (choose one course)

HMP 721, Managing Health Care Organizations
HMP 723, Health Planning
HMP 740, Health Care Financial Management

Course Descriptions:

HMP 401 - United States Health Care Systems [Discovery Social Science]

Credits: 4.00

Nature and functions of health care services and health professionals; impact of social, political, economic, ethical, professional, legal, and technological forces on health care systems. Current health policy issues.

HMP 511 - Introduction to Health Information Systems

Credits: 4.00

This course introduces the student to the nomenclature and foundations of health information technology and systems in health care delivery settings and the management and strategic uses for those systems. It is relevant for those studying health care management and those using clinical health information systems. It examines health care information flow, information systems, technology standards and information security, and presents relevant examples, practical applications and case studies. Prereq: HMP 401.

HMP 712 - Health Analytics

Credits: 4.00

This course introduces students to the field of health analytics and data science. It expands upon introductory statistical and data manipulation methods to include data mining, predictive analytics, cluster analysis, trend and pattern recognition, and data visualization. It couples data skills with interpretive and communication skills. Students will also be exposed to basic statistical programming. There will be a graduate component of the course (812) where students will work on advanced concepts and complete a separate culminating project.

HMP 721 - Managing Health Care Organizations

Credits: 4.00

Organizational characteristics of ambulatory, acute, and long-term care facilities. Management issues and strategies involving governance, clinical services, human and fiscal resources, and community-based services. Prereq: major or permission.

HMP 723 - Health Planning**Credits:** 4.00

Theoretical and historical foundations of health planning; the relationship of health planning and regulation; the application of planning methods; and the utilization of strategic planning and its relationships to marketing. Prereq: major or permission. Special fee.

HMP 740 - Health Care Financial Management**Credits:** 4.00

Techniques, principles, and practices of managing fiscal aspects of health care organizations. Exploration of concepts and techniques associated with variance analysis, cost allocation, management of working capital, and capital decision analysis. Analysis of the impact of reimbursement on health care organizations. Prereq: Major or permission.

Note: Students wishing to complete the Health Management minor in addition to the HMP second discipline might consider taking HMP 501 (Epidemiology and Community Medicine) as their Discovery Biological Science.

HMP 501 - Epidemiology and Community Medicine [Discovery Biological Science]**Credits:** 4.00

The distribution and determinants of disease, illness, and health in the community. Community health and illness measures, health status, and source of data. Development of hypotheses and study designs to reduce community health problems using epidemiological reasoning, methods, and analyses. Lab.