

# HEALTH MANAGEMENT & POLICY (HMP)

Visit the [Course Schedule Search website](#) to find out when courses will be offered during the academic year.

*Read more about the courses within this subject prefix in the descriptions provided below.*

## HMP 401 - United States Health Care Systems

**Credits:** 4

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.

**Attributes:** Social Science (Discovery)

**Equivalent(s):** HLTC 550, HMP 401H, HMP 401W

**Grade Mode:** Letter Grading

## HMP 403 - Introduction to Public Health

**Credits:** 4

This course describes and defines "what is public health" and seeks to convey its critical importance and relevance to both public and individual (personal) wellbeing. It presents an overview of the structure, function, and organization of the public health system/services (government, proprietary, and voluntary sectors) and how they operate, emphasizing core functions and major divisions (public health administration, epidemiology and biostatistics, environmental health, social and behavioral health). Addresses the social, ethical, issues; bioterrorism; epidemics; obesity; tobacco, alcohol, and opioid use; violence. Seeks to challenge students to think critically about existing and emerging U.S. and global public health issues. Introduces public health careers.

**Equivalent(s):** HLTC 612

**Grade Mode:** Letter Grading

## HMP 501 - Epidemiology and Community Medicine

**Credits:** 0 or 4

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.

**Attributes:** Biological Science(Discovery); Discovery Lab Course

**Equivalent(s):** HAP 402, HAP 501, HMP 501H

**Grade Mode:** Letter Grading

## HMP 512 - Using Data to Improve Human Health

**Credits:** 4

A digital revolution is transforming healthcare around the world. The amount of healthcare data being generated is growing exponentially by the day, facilitated by technology, such as Electronic Health Records and wearable health devices. Advances in software for mining, analyzing, and visualizing data are allowing researchers to unveil unprecedented insights. This course explores the role of data in advancing human health. Through a multidisciplinary approach, students will examine the collection, analysis, and ethical implications of health-related data. The course aims to foster critical thinking skills and an understanding of the interplay between technology and society in the context of healthcare.

**Attributes:** Environment,TechSociety(Disc)

**Grade Mode:** Letter Grading

## HMP 540 - Statistics for Health and Human Service Professionals

**Credits:** 4

A conceptual and analytical approach to the use of statistics in the health and human service professions. Emphasizes the logic and purpose of statistics. Attention to special problems of statistical design such as random assignment, single subject trials, and the ethics of control groups. Basic computer skills for manipulating data.

**Attributes:** Quantitative Reasoning(Disc)

**Equivalent(s):** HHS 540

**Mutual Exclusion:** No credit for students who have taken ADMN 420, ADMN 510, BIOL 528, EREC 525, MATH 439, MATH 539, MATH 644, PSYC 402, PSYC 402H, SOC 402, SOC 402H, SOC 502, SOC 502H.

**Grade Mode:** Letter Grading

## HMP 610 - Survey of Health Information Systems

**Credits:** 2

This course introduces you 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 individuals using or installing clinical health information systems. Time will be spent examining health care information flow, data capture, storage within information systems, technology standards, information security, and data usages both internally and externally.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.

**Equivalent(s):** HMP 511, HMP 611

**Grade Mode:** Letter Grading

## HMP 621 - Pre-practicum Seminar

**Credits:** 1-2

Preparation for field practicum experience, orientation to experiential learning and competency development.

**Repeat Rule:** May be repeated for a maximum of 2 credits. May be repeated up to 1 time.

**Equivalent(s):** HAP 621

**Grade Mode:** Letter Grading

## HMP 622 - Field Practicum in Organizational and Project Analysis, and Management Skills Development

**Credits:** 3

Experiential learning in a health care organization; application of theories to practice. Planned learning objectives are accomplished through three distinct components. Organizational Analysis, Project Analysis and Management Skills Development, with Supervision by agency personnel. This will include analysis of assigned health care agency, from external and internal viewpoints, development of the basic quantitative and interpersonal skills required for a health services manager, and demonstration of knowledge and analysis of specific problem-solving skills. Students need a GPA of 3.0 or higher, and an approved practicum site.

**Prerequisite(s):** HMP 621 with a minimum grade of D-.

**Equivalent(s):** HAP 622, HMP 622A, HMP 622B, HMP 622C

**Grade Mode:** Credit/Fail Grading

## HMP 624 - Post Practicum Seminar

**Credits:** 2

Summary of field practicum experience, and next steps. Individual analysis and panel discussions to include site assessment, project description, and methodologies employed, critique of individual skills, and knowledge base in relation to internship.

**Prerequisite(s):** HMP 621 with a minimum grade of D-.

**Grade Mode:** Letter Grading

**HMP 631 - Health Issues Seminar****Credits:** 2

Discussion of current issues in the fields of health management, health policy and public health.

**Prerequisite(s):** HMP 624 with a minimum grade of D- and HMP 712 with a minimum grade of D- and HMP 723 with a minimum grade of D- and HMP 735 with a minimum grade of D-.

**Grade Mode:** Letter Grading**HMP 635 - Healthcare Marketing****Credits:** 4

Healthcare marketing builds upon competencies from previous courses, it covers foundational marketing principles, their application in healthcare administration, including marketing strategy, strengths and weakness evaluation, environmental forces, competitors, market size, customer/patient stratification and needs by defined groups, products and services, promotion, distribution, evaluation, and communication channels used to launch a targeted approach to different segmentations. Groups will choose a topic (new service, expansion or social marketing/public health topic) for full marketing launch presentations.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.

**Equivalent(s):** HMP 735**Grade Mode:** Letter Grading**HMP 642 - Health Economics****Credits:** 4

This course in health economics introduces the tools of microeconomics to analyze various issues in health and healthcare. The first half of the course focuses on patient demand, and the second half focuses on provider supply. Topics covered in the former include the demand for health and healthcare, the demand for insurance, externalities associated with certain health behaviors, cost-effectiveness analyses, and health equity considerations. Topics covered in the latter half of the course include the role of nonprofits, provider agency, provider competition versus concentration, insurer behavior, and the effects of government regulation of insurance.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.

**Grade Mode:** Letter Grading**HMP 669 - Human Behavior and the Public Health****Credits:** 4

Provides a grounding in fundamental concepts of the behavioral sciences as they illuminate public health. Individual and community responses to prevention, identification of symptoms, diagnoses, treatments, chronic ailments, and rehabilitation are discussed. In each of these areas, the course explores the interaction between community, family, patient, and health care provider.

**Prerequisite(s):** HMP 403 with a minimum grade of D-.

**Equivalent(s):** HMP 569**Grade Mode:** Letter Grading**HMP 702 - Programming in Healthcare Environments****Credits:** 4

This course covers using Python as a programming language to write, implement, and design programs that are relevant to various aspects of programming in a health setting. After completion of this course, students should be comfortable with the basic data structures in Python and R (including arrays, dictionaries and dataframes), conditional logic and iterators, writing Python and R functions, and using Python libraries to read external data and perform data manipulations and data analysis.

**Grade Mode:** Letter Grading**HMP 703 - Translation of Health Data****Credits:** 4

This course will give you the skills you need to leverage data to reveal valuable insights and advance your career. This course teaches you the visualization skills necessary to be effective Data Storytellers which helps engage your audience in a story about the data. This course focuses on concepts as well as hands-on experience of presenting data from initial concepts to final presentation by creating meaningful displays of quantitative and qualitative data to facilitate peer/managerial decision making.

**Grade Mode:** Letter Grading**HMP 711 - Introduction to Healthcare Operations Analytics****Credits:** 4

Introduces intermediate techniques for data manipulation and analysis for the health care field. Also introduces methods for survey research and large data set manipulation and analysis. There is a lab section utilizing a statistical software package where students perform tasks from a large national data set.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.

**Grade Mode:** Letter Grading**HMP 712 - Healthcare Operations Management****Credits:** 4

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.

**Prerequisite(s):** HMP 401 with a minimum grade of D- and HMP 711 with a minimum grade of D-.

**Grade Mode:** Letter Grading**HMP 715 - Environmental Health****Credits:** 4

This course offers a general introduction to environmental health from the community, regional, and global perspective by addressing fundamental topics and current controversies such as air pollution, water pollution, built environment/urban sprawl, food safety, waste disposal, and occupational health. Students learn about environmental health assessment methods. Major issues in environmental health and related regulatory efforts and public health policy reform are examined.

**Prerequisite(s):** HMP 403 with a minimum grade of D-.

**Grade Mode:** Letter Grading**HMP 721 - Managing Health Care Organizations****Credits:** 4

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.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.

**Equivalent(s):** HAP 721**Grade Mode:** Letter Grading

**HMP 722 - Health Care Management II****Credits:** 4

A continuation of HMP 721 - Managing Health Care Organizations with specific lectures and assignments devoted to organizational behavior, leadership, and managerial skills. Case studies and examples will relate specifically to health care organizations.

**Prerequisite(s):** HMP 721 with a minimum grade of D-.**Grade Mode:** Letter Grading**HMP 723 - Health Planning****Credits:** 4

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.

**Equivalent(s):** HAP 723**Grade Mode:** Letter Grading**HMP 740 - Health Care Financial Management****Credits:** 4

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.

**Prerequisite(s):** HMP 401 with a minimum grade of D-.**Equivalent(s):** HLTC 627**Grade Mode:** Letter Grading**HMP 741 - Health Care Financial Management II****Credits:** 4

This course focuses on issues related to effective financial management of health care organizations and programs, building upon material covered in HMP 740, Health Care Financial Management. Topics include the time value of money, long-term debt, stocks and equity, and evaluation of capital projects.

**Prerequisite(s):** HMP 740 with a minimum grade of D-.**Equivalent(s):** HLTC 627**Grade Mode:** Letter Grading**Special Fee:** Yes**HMP 742 - Strategic Management for Health Care Organizations****Credits:** 4

Application of managerial methods involving financial, marketing, and operational analysis to health management. Case studies.

**Attributes:** Writing Intensive Course**Prerequisite(s):** HMP 721 with a minimum grade of D- and HMP 740 with a minimum grade of D-.**Equivalent(s):** HAP 742**Grade Mode:** Letter Grading**HMP 744 - Law and Ethics in Healthcare****Credits:** 4

Ethical theories, core legal principles and cases, and decision-making models; patient's rights and professional responsibilities; social justice and resource allocation; critical ethical dilemma's facing health care managers, policy makers, and executives; managerial versus medical care conflicts.

**Prerequisite(s):** HMP 401 with a minimum grade of D- or HMP 403 with a minimum grade of D-.**Equivalent(s):** HLTC 690**Grade Mode:** Letter Grading**HMP 746 - Health Policy****Credits:** 4

Analysis of the public policy process, the development of health policies in the U.S., and discussion of specific health policy issues.

**Attributes:** Writing Intensive Course**Prerequisite(s):** HMP 401 with a minimum grade of D- or HMP 403 with a minimum grade of D-.**Equivalent(s):** HLTC 738**Grade Mode:** Letter Grading**HMP 749 - Public Health Capstone: Integrative Experience****Credits:** 4

The Capstone course is the culminating experience for students in the Bachelor of Public Health (BPH) program. This course integrates knowledge and skills acquired throughout the program, allowing students to apply public health theories, methods, and practices to real-world public health problems. Students will work on a community-based project, research paper, or case study to demonstrate their competencies in public health practice, research, and policy development.

**Grade Mode:** Letter Grading**HMP 796 - Independent Study****Credits:** 1-4

In-depth study with faculty supervision.

**Repeat Rule:** May be repeated for a maximum of 12 credits.**Grade Mode:** Letter Grading**HMP 798H - Honors Project/Research Design****Credits:** 2

Examines selected research designs and methods used in health services research/program evaluation. Establishes theoretical and methodological foundation for honors-in-major research project to be conducted during the subsequent semester under a faculty member's supervision.

**Attributes:** Honors course**Grade Mode:** Letter Grading**HMP 799H - Honors Project/Research****Credits:** 2-4

In-depth research project (conducting and analysis) under supervision of faculty member. Includes scholarly presentation of findings to faculty and other interested parties and preparation of manuscript suitable for publication in peer-viewed journal.

**Attributes:** Honors course; Writing Intensive Course**Prerequisite(s):** HMP 798H with a minimum grade of D-.**Grade Mode:** Letter Grading