PUBLIC HEALTH, MANAGEMENT SYSTEMS SCIENCES (PHMS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees
Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (http://louisville.edu/bursar/tuitionfee).

PHMS 301. Introduction to the U.S. Healthcare Delivery Systems 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): Must be a Public Health major.
Description: This course explores the many different aspects of health care delivery in the United States within a system of systems, the bases and processes of health care financing, and professional considerations for serving, managing, and leading in different types of health service organizations. Emphasis is placed on the role of health professionals working in different types of health service organizations.

For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

PHMS 430. Elements of Data Mining 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): PHST 302.
Description: This course will train students with the necessary skills for data mining/big data analytics that will be used in employment after graduation. It covers the collection of techniques used in practice to analyze huge datasets. The course focuses on building essential abilities: (1) formulating an analytic approach to the problem, (2) application of the techniques, (3) interpretation of results, and (4) presentation of results: oral and written communication.

For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

PHMS 501. Introduction to Public Health Practice and Administration 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): Enrolled in the School of Public Health and Information Sciences.
Description: This course emphasizes the practical application of the principles of health care organizations to public health at the national, state and local levels.
Note: Taught only at the graduate level.

For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

PHMS 530. Comparative Health Systems 3 Units
Term Typically Offered: Spring Only
Description: This course examines health delivery and public health systems from a global perspective. The course focuses on teaching students to describe elements of these systems, the environment in which the systems exist, and the internal and external forces through which systems change. Although the structure of different health systems vary, most also have substantial similarities especially in the areas of improving access and quality, while minimizing costs. The course focuses on health systems, using examples of health systems in different countries to demonstrate system similarities and differences. The course will provide a framework for analyzing different models of organizing health care and public health in settings around the world. The course will engage students in examining health systems outside the United States, focusing specifically on how a country's history, geography, government, and economy influence the delivery of health services. Students will apply these skills in a semester-long group project involving the analysis of a selected country's health system, its performance factors affecting performance and structure, and opportunities for reform.
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)