PUBLIC HEALTH - PUBLIC HEALTH (PHPH)

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).

**PHPH 523. Public Health in the United States** 2 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall Only
Prerequisite(s): Admission to a graduate program in the School of Public Health and Information Sciences, other than the MPH.
Description: This course is designed to introduce new students in academic public health programs (MS and PhD) to the field of Public Health in the United States. It provides a broad overview of the field of public health, a focused look at the core areas of epidemiology and biostatistics, health promotion, environmental health, and health care administration.
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

**PHPH 550. Special Topics in Public Health Sciences** 1-3 Units
Prerequisite(s): Enrollment in the School of Public Health and Information Sciences.
Description: In-depth exploration of public health sciences topics to advance students’ knowledge in aspects of field not covered at same depth in existing courses.
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

**PHPH 601. Evaluating Health Care Literature** 1 Unit
Prerequisite(s): Enrolled in the MS in Biostatistics program or the MSc or Certificate in Clinical Investigation Sciences program.
Description: A review of formal methods for evaluating the medical literature including those of the University of Rochester Clinical Pharmacology Group; and the Evidence Based-Medicine Group. Meta-Analysis: sources of information, using medical informatics, selection of trails, pooling of data, analyzing pooled data and interpreting results, problems and limitations of meta analysis will be covered.
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**PHPH 610. New Drug & Device Development** 2 Units
Prerequisite(s): Enrolled in the MS in Biostatistics program or the MSc or Certificate in Clinical Investigation Sciences program.
Description: This course introduces the rationale for, practical aspects of, and new issues in drug and device development as well as the relevant industry and government policies and regulations.
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**PHPH 630. Geographic Information Systems in Public Health** 3 Units
Prerequisite(s): Enrollment in the School of Public Health and Information Sciences.
Description: This course provides public health students with "hands-on" GIS experience, using Environmental Systems Research Institute’s (ESRI’s) ArcGIS software and other software packages. Topics covered include an introduction to geographic information systems, management and use of health, census and spatial data, mapping health information, spatial clustering of health events, analysis of environmental hazards, risk and spread of infectious and vector-borne diseases, and location of health services and access to care.
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**PHPH 632. Ethical Conduct of Health Care Research** 2 Units
Prerequisite(s): Enrolled in the MS in Biostatistics program or the MSc or Certificate in Clinical Investigation Sciences program.
Description: This course focuses on key aspects of research ethics, such as codes of ethical conduct, federal regulations, and institutional review boards. Key principles explored include informed consent, privacy, and conflicts of interest. The course also considers special populations, such as cognitively impaired individuals and children; and specialized forms of research, such as genetic research and research utilizing repositories of stored tissue.
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

**PHPH 635. Independent Study in Clinical Research** 1-3 Units
Prerequisite(s): Enrollment in the School of Public Health and Information Sciences.
Description: Course allows students to pursue advanced study with faculty guidance on a topic related to clinical research.
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)
PHPH 677. Public Health Practice Experience 1  
**Grading Basis:** Pass/Fail  
**Term Typically Offered:** Spring Only  
**Prerequisite(s):** Enrolled in the MPH program in the School of Public Health and Information Sciences.  
**Description:** The Public Health Practice Experience (PHPE) is designed to bridge the gap between academia and public health practice by providing field experience at a public health-related worksite. Each MPH student identifies a practice site, develops a learning agreement in consultation with the practice site mentor and faculty mentor, works at the site to apply specific public health foundational and concentration competencies, gains experience within the organization, and prepares written and oral reports describing the practice experience.  
**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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

PHPH 678. Public Health Practice Experience 2  
**Grading Basis:** Pass/Fail  
**Term Typically Offered:** Fall Only  
**Prerequisite(s):** Enrolled in the MPH program in the School of Public Health and Information Sciences.  
**Description:** The Public Health Practice Experience (PHPE) is designed to bridge the gap between academia and public health practice by providing field experience at a public health-related worksite. Each MPH student identifies a practice site, develops a learning agreement in consultation with the practice site mentor and faculty mentor, works at the site to apply specific public health foundational and concentration competencies, gains experience within the organization, and prepares written and oral reports describing the practice experience.  
**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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

PHPH 679. Public Health Practicum Experience 3  
**Term Typically Offered:** Spring Only  
**Prerequisite(s):** Enrolled in the MPH in the School of Public Health and Information Sciences and completion of or concurrent enrollment in PHPH 678.  
**Description:** The practicum experience is designed to bridge the gap between academia and public health practice by providing field experience at a public health worksite. Each MPH student identifies a practice site, develops a learning agreement in consultation with the practice site mentor and faculty mentor, works at the site to address the components of the learning agreement and to gain experience within the organization, prepares a written characterization of the practice site, and prepares written and oral reports describing the practicum experience.  
**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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

PHPH 696. Issues in Public Health  
**Grading Basis:** Pass/Fail  
**Term Typically Offered:** Fall Only  
**Prerequisite(s):** Enrolled in the School of Public Health and Information Sciences.  
**Description:** This course provides students with several broad topical concepts encountered within the field of public health. It serves as an introductory course, providing a framework upon which to build all other subsequent core courses. It also serves as a venue to introduce students to the five core areas of public health (epidemiology, biostatistics, health management and policy, health knowledge, and environmental health) through various presentations and activities.  
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PHPH 697. Interprofessional Experience in Public Health  
**Term Typically Offered:** Fall Only  
**Prerequisite(s):** Enrollment in MPH program, completion of year 1 requirements.  
**Description:** This course is focused on the CEPH MPH Competency that requires students to: Perform Effectively on Interprofessional Teams (IP) to address complex public health problems. The course begins with a roundtable discussion, led by the SPHIS Departmental Chairs and Program Directors, focused on the role of interprofessional (IP) teams in addressing public health issues from the perspective of their concentrations. Subsequently, each MPH concentration will identify a team of professionals, representing disciplines from areas other than public health, with whom they have previously worked. These teams will present specific case(s) or activities with public health related components that have involved IP cooperation and work with student teams to identify how to effectively interface with different professionals to optimize approaches to public health issues.  
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PHPH 698. Public Health Integrative Learning Experience 2 Units  
Term Typically Offered: Spring Only  
Prerequisite(s): Enrollment in MPH program, PHPH 697.  
Description: The Integrative Learning Experience (ILE) is designed to identify specific MPH foundational and concentration competencies that address a student's educational and professional goals and requires the student to complete a culminating experience that demonstrates the synthesis of the identified competencies through specific learning experiences.  
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

PHPH 699. Mentored Research 1-3 Units  
Prerequisite(s): Enrolled in the MSc or Certificate in Clinical Investigation Sciences program.  
Description: Independent research in order to complete the professional paper requirement for the Master of Science in Clinical Investigation Sciences program.  
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)

PHPH 701. Directed Reading for Qualifying Examinations 1-9 Units  
Grading Basis: Pass/Fail  
Prerequisite(s): Graduate student in the School of Public Health and Information Sciences who has completed required coursework in a doctoral degree program and is preparing for comprehensive examinations.  
Description: The course allows doctoral students to prepare for qualifying examinations with faculty guidance on topics and readings. This course may be repeated.  
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