

# DEPARTMENT OF PUBLIC HEALTH AND CLINICAL SCIENCES

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The Department of Public Health and Clinical Sciences offers a Master of Public Health (MPH) Degree in one of two concentrations:

- Health Promotion\* - 100% online (<https://ekuonline.eku.edu/mph-health-promotion/>) (<https://ekuonline.eku.edu/mph-health-promotion/>) (Starting Fall 2023)
- Environmental/Occupational Health & Sustainability (EOHS) (Hybrid)

The MPH program is tailored to meet the needs of individuals working in or planning to work in a public health profession. Classes are offered on evenings, Saturdays, and online.\* A total of 42 semester hours are required to complete the program with 21 hours of MPH core requirements and 15 hours in the chosen concentration. Additional hours are completed in an Applied Practice Experience and Integrative Learning Experience. Full-time students can expect to complete the degree requirements in 2 to 3 years, depending on summer attendance.

\*Health Promotion concentration classes are 100% online

## VISION:

We envision a healthy commonwealth and global community led by competent and committed public health practitioners.

## MISSION:

The mission of the public health program is to prepare culturally competent, skilled public health practitioners that are engaged in community-focused service and public health scholarship, for the commonwealth and beyond.

## PROGRAM GOALS:

- **Student Success:** Students will demonstrate professional competencies needed to effectively serve as public health practitioners.
- **Instruction Goal:** The program prepares competent public health professionals through high-impact pedagogy.
- **Community-focused Service Goal:** The program faculty and students will advance the health of the commonwealth through engagement in community and professional service.
- **Scholarship Goal:** The program faculty and students will engage in research and scholarship to grow the public health profession.

## VALUES:

- *intellectual vitality*, which is characterized by knowledge, scholarly inquiry, creativity, critical thinking, and curiosity, all with a global perspective;

- *sense of community*, which is characterized by a supportive environment with strong relationships and a commitment to service, shared governance, collaboration, and unity of purpose;
- *cultural competency*, which is characterized by equitable opportunities and treatment, mutual respect, and the inclusion and celebration of diverse peoples and ideas;
- *stewardship of place*, by which the program enhances the intellectual capacity, economic vitality, environmental sustainability, and quality of life of the communities it serves;
- *accountability*, which is characterized by fiscal responsibility, operational transparency, and responsiveness to the needs of internal and external stakeholders; and
- *excellence*, which is achieved through integrity, continuous quality improvement, and a focused emphasis on the personal and professional growth of students, faculty, and staff.

## Master's

- Master of Public Health with a Concentration in Environmental/Occupational Health & Sustainability (M.P.H.) (<http://catalogs.eku.edu/graduate/health-sciences/public-health-and-clinical-sciences/mph-concentration-environmental-occupational-health-sustainability/>)
- Master of Public Health with a Concentration in Health Promotion (M.P.H.) (<http://catalogs.eku.edu/graduate/health-sciences/public-health-and-clinical-sciences/mph-concentration-health-promotion/>)

## Certificates

- Industrial Hygiene, University Certificate (<http://catalogs.eku.edu/graduate/health-sciences/public-health-and-clinical-sciences/industrial-hygiene-graduate-certificate/>)

### **EHS 710. Radiological Health & Safety. (3 Credits)**

A. Provides the student with the principles of health effects from ionizing radiation, including radiation sources, detection, measurement, control, and safety devices. Student will be able to identify, evaluate and control radiation in the work environment; implement a radiation monitoring program; establish emergency plans for actions to be taken in event of radiological accident; develop risk assessment and communication program. Credit will not be awarded to students who have received credit for EHS 510.

### **EHS 730. Emerging and Re- Infect Diseases. (3 Credits)**

I, II. The student will acquire an understanding of the principles, biology, identification, evaluation, and control of vector borne diseases and other emerging/re-emerging diseases of public health concern.

### **EHS 839. Appl Learning in Env Hlth Sci. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

### **EHS 839A. Co-op in Environmental Health. (0.5-6 Credits)**

### **EHS 839B. Co-op in Environmental Health. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

**EHS 839C. Co-op in Environmental Health. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

**EHS 839D. Co-op in Environmental Health. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

**EHS 839E. Co-op in Environmental Health. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

**EHS 839F. Appl Learning in Env Hlth Sci. (0.5-6 Credits)**

A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

**EHS 840. Total Worker Health. (3 Credits)**

A. A study of the impact of the work place on worker's health and the control of causative factors of disease.

**EHS 841. Occ Health Exposure Assessment. (3 Credits)**

A. Identify primary sources of potential chemical, physical and biological agents, identify techniques for assessing the risk of worker exposures and understand health impacts of occupational exposures to workers. (KYU and WEB course).

**EHS 855. Global Envir Crisis Management. (3 Credits)**

A. This course will provide students with environmental health principles required to protect the global environmental health of a community in times of emergency/disaster.

**EHS 860. Air Quality Assessment. (3 Credits)**

A. A study of health impacts of air pollution from both outdoor and indoor sources. The course will also provide information about methods of reduction, control, and elimination of air pollution.

**EHS 863. Field Experience in Env. Hea. (1-6 Credits)**

A. Cross listed with EHS 839. Supervised and directed field experience at official agencies at any level of government (state, local or national) or with private industry. The course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 839.

**EHS 865. Environmental Toxicology. (3 Credits)**

A. Toxicology, the principles, concepts and thinking that are its foundation. The mechanisms by which the substances enter the cells of the body, the physiological processes, the target organs, classes of toxic substances, and potential exposures.

**EHS 875. Principles of Ventilation. (3 Credits)**

A. Provides the student with the principles of ventilation including: design of fans, cleaners duct sizing: calculations, inspections, balancing the system, and overall maintenance. This course deals with use of ventilation to reduce or eliminate occupational exposures in the workplace.

**EHS 880. Food/Waterborne Sanitation. (3 Credits)**

A. The management of safety and disease hazards inherent in administering community programs of food hygiene, water supply, and wastewater treatment.

**EHS 885. Crisis Mgmt, Risk Com/Asmt. (3 Credits)**

A. Provides the student with the principles of Crisis Management and Risk Communication/Assessment by becoming familiar with laws that mandate risk communication, types, and approaches to risk communication, effective risk communication, importance of crisis management/communication, process of hazard risk assessment, and benefits of development and implementation of an emergency response program.

**EHS 890. Grad Project in Envrnmntl Hlth. (1-3 Credits)**

A. Research into a special topic in Environmental Health. Student must have approval of course faculty.

**HEA 790. Health Education:\_\_\_\_\_ (1-3 Credits)**

A. Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school and health services, health deviations among students, sexually transmitted diseases, etc. May be retaken once with advisor approval provided subtitle is different.

**HEA 791. Women's Health. (3 Credits)**

A. Analysis of the major health problems of contemporary women with special emphasis on health promotion, disease prevention, and consumer health concerns.

**HEA 792. Human Sexuality. (3 Credits)**

A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations, which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

**HEA 793. Death and Grief. (3 Credits)**

A. A study of attitudes, behaviors, and issues concerning death and grief. Topics include responses to death and grief throughout the life cycle; process of grief and bereavement; theology and death; legal aspects of dying; care of the dying; suicide; post-mortem care; death education.

**HEA 794. Substance Use Prevention Skill. (3 Credits)**

I,II, A. Prerequisite: Junior or senior standing. A substance use prevention approach using a strategic prevention framework to develop the knowledge and skills needed to plan, implement, and evaluate effective, data-driven programs and practices that reduce behavioral health disparities and improve wellness.

**HEA 800. Advanced Health Science. (3 Credits)**

A. Provides students an opportunity to broaden their knowledge of the latest scientific facts and sources of information related to selected health concerns including disease, nutrition, fitness, drug use, family living, and emotional health.

**HEA 804. Drug Abuse & Dependency. (3 Credits)**

I, II. Study of the nature and progression of chemical abuse and dependency and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment.

**HEA 805. Public Health Communication. (3 Credits)**

(3) A. Prerequisite: MPH 810 with a minimum grade of "C". This course prepares students to develop and evaluate health messages for advocacy, program planning, and health campaigns through the lens of cultural competency including interpersonal, organizational, and mass communication approaches.

**HEA 807. Health:\_\_\_\_\_ (1-3 Credits)**

A. Prerequisite: advisor/departmental approval. Independent work, special topics, or seminars. May be retaken under different subtitles. Topics include first aid and safety for teachers, lifestyle and mental health, and health education for elementary teachers.

**HEA 820. Global Health. (3 Credits)**

II. Overview of the relationship between epidemiological, economic, political, sociological and cultural factors that impact global health. Special emphasis is on methods of prevention/intervention utilized in coping with health problems on an international level.

**HEA 825. Planning & Eval of Hlth Prgms. (3 Credits)**

II. The focus of this course is on the process of assessing a community and on strategies for planning, implementing, and evaluating health promotion programs in a variety of settings.

**HEA 826. Public Health Program Evaluati. (3 Credits)**

(3) A. Prerequisite: MPH 825 or HEA 825 with a minimum grade of "C". The focus of this course is on methods and techniques to evaluate public health policies and programs.

**HEA 856. Applied Epidemiology. (3 Credits)**

A. Prerequisites: HEA 830 and HEA 855 or departmental approval. An applied epidemiology course with emphasis on field investigations, public health surveillance, surveys and sampling, use of computers in epidemiology descriptive epidemiology, designing studies, analysis, interpretation and communication of data, and intervention/control measures.

**HEA 880. Scholarship in Cmmnty Health. (1-3 Credits)**

A. Applied scholarship experience demonstrating synthesis and integration of advanced knowledge and skills in Community Health. Student must have approval of department prior to enrollment.

**HEA 890. Practicum in Community Health. (3-6 Credits)**

A. Student will be placed in a supervised work environment in community health.

**HEA 895. Public Health Capstone Seminar. (3 Credits)**

II. Integration and application of competencies acquired through the MPH program to problems likely to be encountered in public health practice. Current challenges, money, politics, and public health ethics, as they impact the profession, are addressed.

**HEA 897. Thesis. (3-6 Credits)**

A.

**HEA 899. Practicum in Community Health. (3-6 Credits)**

A. Student will be placed in a supervised work environment in community health.