

EKU[®]



**MASTER OF
PUBLIC HEALTH**

Introduction

This student handbook serves as a basic orientation to the Master of Public Health (MPH) Program. It is considered a supplement to the **Eastern Kentucky University (EKU) *Graduate Catalog*** and has been developed to provide additional information and guidance to current and prospective students in the MPH Program. Included herein is information regarding application and admission procedures, program descriptions, and requirements for completion of the MPH degree options.

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Master of Public Health Program Overview

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, via the Internet and/or at interactive television sites throughout Kentucky. The Program consists of 21 semester hours of core requirements and 21 semester hours in one of the following options: *Health Promotion or Environmental/Occupational Health and Sustainability*.

Program Accreditation Status

The ECU MPH Program is accredited by the Council on Education for Public Health (CEPH). The initial accreditation was granted by CEPH on June 14, 2008. The MPH Program was reaccredited through December 30, 2020.

CEPH is an independent agency recognized by the U.S. Department of Education to accredit schools of public health and graduate public health programs outside schools of public health. The CEPH mission is to assure quality in public health education and training to achieve excellence in practice, research and service, through collaboration and community partners.

The Council's objectives are:

- to promote quality in public health education through a continuing process of self-evaluation by the schools and programs that seek accreditation;
- to assure the public that institutions offering instruction in public health have been evaluated and judged to meet standards essential for the conduct of such educational programs; and
- to encourage - through periodic review, consultation, research, publications, and other means - improvements in the quality of education for public health.

The Environmental/Occupational Health & Sustainability Concentration is accredited by the National Environmental Health Science & Protection Accreditation Council (EHAC). The primary responsibility of the Council is to review and accredit environmental health programs in accordance with criteria developed to assure excellence of graduates of those programs. The MPH Environmental Health Program was reaccredited in 2018 and will be accredited until 2023.

Program Vision

The ECU MPH Program vision is to be recognized as a leader in advancing the health of the commonwealth and global community by preparing competent and committed public health professionals.

Program Mission

The mission of the ECU MPH 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 scholarships to grow the public health profession.

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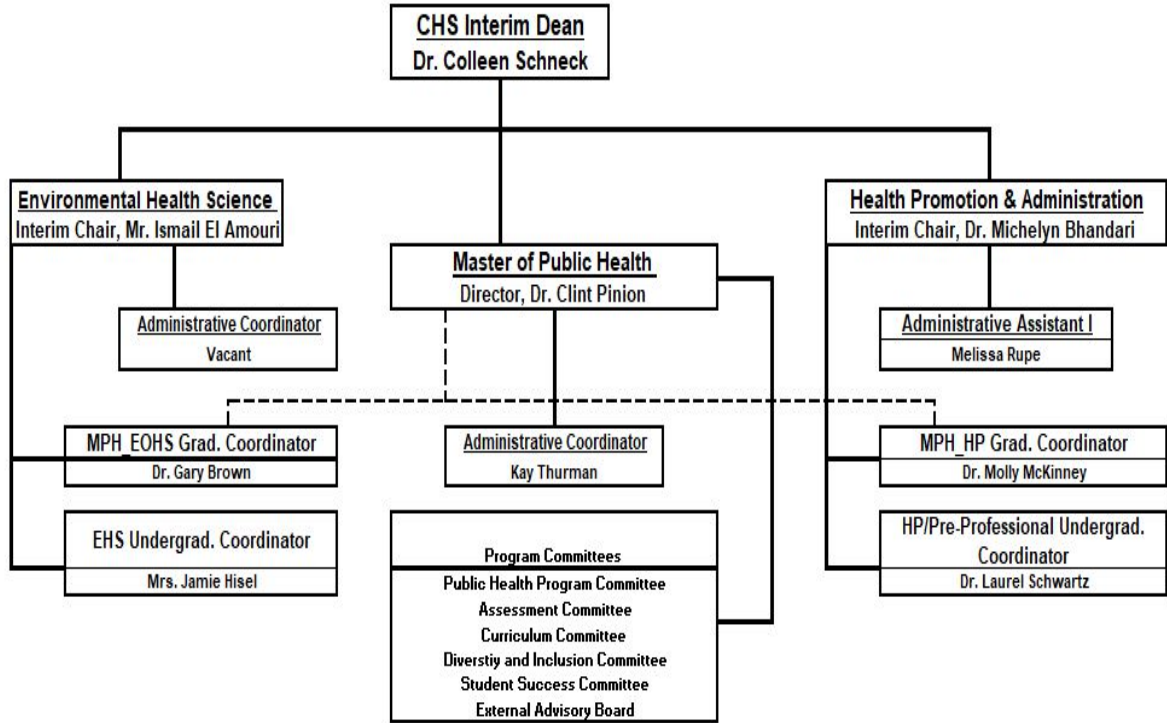
Educational Program Values

- *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 need 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.

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MPH Program Competencies

The MPH courses and other program requirements relate directly to the accomplishment of the public health competencies and discipline-specific competencies. Appendix A of this Handbook outlines the competencies and highlights which competencies are specifically addressed in each course.



Administrative/Faculty Contacts

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Health Promotion Concentration Courses (21 semester hours)

HEA 805 – Public Health Communication (3)
HEA 820 - Global Health (3)
HEA 826 – Public Health Program Evaluation (3)
HEA 856 - Applied Epidemiology (3)
HEA 880 – Scholarship in Community Health (3)
HEA 890 – Practicum in Community Health (3)
Elective (3)

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Environmental/Occupational Health & Sustainability Concentration Courses

(21 semester hours)

- EHS 840 – Total Worker Health (3)
- EHS 860 – Air Quality Assessment (3)
- EHS 865 - Environmental Toxicology (3)
- EHS 890 – Grad Project in Environmental Health (3)
- EHS 839 or 863 – Co-op or Field Experience (3)
- Electives (6)

Admission Policies

The MPH Program seeks to admit students who demonstrate the potential to be successful in graduate school, and who are committed to the public health profession, as evidenced by their interests, backgrounds, and experiences. While relevant work experience in public health is not a requirement for admission to the Program, knowledge of core public health values is an important factor when considering applicants to the MPH Program. In addition to this, admission standards reflect the requirements of the Graduate School as well as specific requirements and the mission of the Program. For admission into the Program, applicants must meet the following minimum requirements:

1. Baccalaureate degree from an accredited institution with a GPA of 2.5 or better;
2. Combined score of at least 291 on the verbal and quantitative components of the Graduate Record Exam (GRE) with a minimum of 143 in each area, or a score of 385 on the Miller Analogies Test (MAT); Applicants with cumulative undergraduate GPA's of 3.0 or higher are exempt from this requirement.
3. Submission of graduate school application;
4. Submission of MPH Program application;
5. Submission of statement of personal and professional objectives (1½ to 2-pages);
6. Submission of three letters of recommendation from employers or previous professors; and
7. For International applicants, a TOEFL score of at least 580 for paper-based test and 237 for the computer-based version, or an IELTS minimum score of 5 on each section and a minimum score of 6 on the overall band score.

Academic background expectations for MPH concentrations: So that timely progress toward the degree can be achieved, the following undergraduate pre-requisite courses are expected to be completed prior to active participation in the program.

- Environmental/Occupational Health & Sustainability: At least 1 physical science, 2 chemistry with lab, 2 biology with lab, college algebra, and 1 microbiology course at the undergraduate level. .

Satisfying the minimum entrance requirements does not guarantee admission, which is made on a competitive basis, and is dependent on the faculty resources and the number of available slots for new candidates to enter the Program.

The MPH Program adheres to the University's Affirmative Action and Equal Opportunity policies in all its recruitment and admission activities. The Program recruits and admits qualified students regardless of race, ethnicity, religion, sex, sexual orientation, national origin, age, disability, or veteran's status. In line with the University's Strategic Plan, the Program is increasing its focus on recruiting minority students.

For detailed information on the application process, please see **Section Four** of the Graduate Catalog: <http://catalogs.eku.edu/>

Application Deadlines

The MPH program admits students throughout the year with a rolling admission. Once applications have been received by the program applicants will be notified of the admission decision within two weeks.

Admission Procedures

Once the Office of Graduate Education & Research has received and processed all application materials, the applicant's file is forwarded to the Program Director's office. The applicant file is then forwarded to the graduate coordinators for review based on the admission criteria. Their final admission decision is returned to the Director who makes the final determination for admission.

The Program Director provides written notification to the Office of Graduate Education & Research regarding the Program's decision for each applicant. The graduate school then sends official notice to the applicant.

Individuals who accept entrance into the MPH Program are required to attend the *New Student Orientation* that is presented via BlackBoard by the Office of Graduate Education & Research. The Program also provides orientation via BlackBoard to familiarize the students with the Program, as well as their respective options. Information about assigned advisors is made available and students are encouraged to meet with their advisors to discuss enrollment and course schedules. Information about attendance at EKU and a most recent graduate catalog can be found at <https://catalogs.eku.edu/>.

Readmission into the Program

All graduate students who have not been enrolled at Eastern Kentucky University for a period longer than 24 months, or have withdrawn from the University, must reapply for admission to the Graduate School and be accepted for reinstatement by the graduate program before being permitted to register for graduate coursework. Please note that programs within the College of Education may require readmission after 18 months.

Time Requirements:

The Master of Public Health is a 43 hour graduate program. Graduate students are expected to complete requirements for the degree no later than ten years after beginning coursework.

Academic Probation and Dismissal

If, in any semester of study, a student's graduate grade point average falls below 3.0 for all courses taken either after admission to the Program or for MPH core and elective courses, the student will automatically be on academic probation. The student will be dismissed from the program following any second semester with a cumulative GPA below 3.0 for either of the two categories indicated above. A student in the MPH program is allowed to earn no more than one "C" and no "D"s or "F"s in courses taken after admission to the program. A second grade of "C" or one "D" or "F" for any course taken after admission will result in dismissal from the program.

Grade Appeals

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor, seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may appeal the grade, in writing, to the department chair. A written appeal must be filed with the chair within 30 days after the beginning of the next semester (exclusive of summer session). Refer to the University Handbook for Students for complete policy concerning grade appeals

Required elements to submit in written appeal:

1. Detail your previous poor academic performance and explain why you did not succeed in _____
2. If you are allowed to return you will be expected to succeed – immediately – or you will be dismissed without an opportunity to appeal. EXACTLY what will you do to be more successful?
3. Permission to stay at EKU depends upon your Institutional GPA. What actions do you intend to take to raise your Institutional GPA?

4. Additional Information: Feel free to elaborate on any of your answers or to provide the Committee with additional information you feel is important for us to have in order to give your petition full consideration.

Graduate Assistantships

Graduate Assistantships are available on a **limited** basis and current students in the Program are generally given preference for these positions. Admitted students are permitted to apply for any Graduate Assistantship offered on campus. Details about Graduate Assistantships can be found at <https://gradschool.eku.edu/graduate-assistantships>.

Advising

Advising in the MPH Program provides an individual approach to the academic and professional development of each student. Upon admission to the Program, each student is assigned an advisor within his/her respective Program option. Details about progression through the program can be found through EKUDirect on the DegreeWorks page. Students are encouraged to view this database regularly.

Student Grievances Regarding Course Grades

The following statement describes the manner in which student grievances about a grade are addressed. This statement is included in the *MPH Policies and Procedures Manual*, *MPH Student Handbook*, and *EKU Student Handbook*. Details about the grade appeal process can be found at https://policies.eku.edu/sites/policies.eku.edu/files/policies/4.1.15_grade_appeals1.pdf.

Students are to first register a grievance about a course grade with the appropriate faculty member. If a grade is challenged and satisfaction is not reached with the faculty member, the student files a complaint/grievance with the Department Chair. If a resolution is not reached, the grievance is referred to the departmental Academic Practices Committee (elected faculty, and student representative). If satisfaction is not reached through that process, the student can subsequently submit the grievance through the administrative line to the Dean, the Provost, and the President.

Note: A written appeal must be filed with the Chair within 30 days after the beginning of the next semester (exclusive of intersession and summer session).

Program Conclusion

Applied Practice Experience

All students must complete 30 hours to include the core courses before registering for the Practicum course. All students complete an applied practice experience in a public/occupational health setting under the mentorship of a faculty member and the supervision of an on-site public/occupational health professional. For a complete description of the practicum requirements see **MPH Applied Practical Experience Manual** on the mph.eku.edu website.

Integrative Learning Experience

The integrative learning experience occurs through a three-tiered process. Students must satisfactorily:

1. Execute a scholarship/research project in a research course, and achieve a passing grade for the course.
2. Complete MPH 895, the MPH Capstone Course (1 credit hour).
3. Present their scholarship/research project in a way that demonstrates knowledge and mastery of selected public health objectives and competencies, and must achieve a passing score for the presentation.

Each of these components is described in more detail below.

Execute a Research/Scholarship Project

Each student must satisfactorily execute a scholarship/research project through one of these courses, and achieve a passing grade in the course:

- HP: HEA 880 Scholarship in Community Health (3 hrs.)

- EOHS: EHS 890 Graduate Project in EHS (3 hrs.)

Some aspect of the integrative learning experience must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' findings, or the design and completion of a project.

Through this scholarship/research experience the student must demonstrate proficiency with core and option specific competencies which are selected in collaboration with the course instructor. Thus, the student must synthesize and integrate advanced knowledge and skills acquired in the Program, and apply those to some aspect of public health specific to health promotion, environmental health science, industrial hygiene, or public health nutrition.

The faculty member who teaches the course supervises the students' work (although in some cases more than one faculty member might collaborate to supervise the scholarship/research). For the project courses, students prepare a scholarship/research proposal, showing the way in which, the project addresses the identified public health objectives and competencies. Faculty who direct the scholarship also help orient students to the integrative learning experience presentation, and promote attendance at those given by other students during the semester. The final high-quality written paper is evaluated using a standard rubric for all concentrations. Students will present their research or scholarship project at the end of the course.

HEA 880 and EHS 890 courses are the project courses and receive three hours credit.

Satisfactorily Complete MPH 895 (Capstone Course)

Each student must complete MPH 895, the MPH Capstone Course, and achieve a passing grade for the course. Through this course, students will complete work tasks within a group, moving towards a goal of presenting a solution to a problem to a group of community stakeholders. Students will be evaluated on their ability to work interprofessionally.

Applying for Graduation

For steps on applying Graduation go to: <http://www.gradschool.eku.edu/>. Students admitted into the program have 10 years to complete the degree. This timeline begins once the graduate students begins their coursework.

Online applications for graduation are generally due to the graduate school at the end of the semester prior to the semester the student will be graduating or very early in the semester the student will graduate. **As a student is nearing the end of his/her program, it is imperative that he/she become familiar with graduation application due dates as these are firm!**

Master of Public Health Program Curriculum (43 semester credit hours)

MPH Core (21 semester hours)

Course	Title	Credits
MPH 810	Human Behavior Change	3
MPH 816	Public Health Organization and Administration	3
MPH 825	Public Health Planning	3
MPH 830	Biostatistics	3
MPH 850	Introduction to Environmental Health Science	3
MPH 855	Principles of Epidemiology	3
MPH 840	Research Methods in Public Health	3

MPH CAPSTONE (1 hour)

MPH 895	Public Health Capstone	1
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Students must also choose from one of the concentrations listed on the next few pages.

Health Promotion Concentration (21 hours)

Required Courses (12 hours)

HEA 805	Public Health Communication	3
HEA 820	Global Health	3
HEA 826	Public Health Program Evaluation	3
HEA 856	Applied Epidemiology	3

Elective (3 hours)

HEA 790, 791, 792, 793; MPH 835; POL 847S; EHS 880; or SSE 826	3
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Practicum (3 hours)

HEA 890	Practicum in Community Health	3
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Research (3 hours)

HEA 880	Scholarship in Community Health	3
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Environmental/Occupational Health & Sustainability (21 hours)

Required Courses (9 hours)

EHS 840	Total Worker Health	3
EHS 860	Air Quality Assessment	3
EHS 865	Environmental Toxicology	3

Electives (6 hours)

EHS 710, 730, 841, 855, or 880	6
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Practicum (3 hours)

EHS 836 or 863	Co-op in Environmental Health Science or Field Experience in Environmental Health	3
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Research (3 hours)

EHS 890	Graduate Project in Environmental Health Science	3
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Industrial Hygiene Graduate Certificate* (18 hours)

EHS 710	Radiological Health	3
EHS 840	Industrial Hygiene Principals	3
EHS 841	Essentials of Industrial Hygiene	3
EHS 865	Environmental Toxicology	3
EHS 875	Principles of Ventilation	3
EHS 885	Crisis Management, Risk Communication/Assessment	3

*The certificate program is designed for both degree-seeking and Certificate-seeking students. The number of credit hours required for completion is 18 hours of which 9 hours can be used as electives in the MPH-EHS graduate program, Environmental Health or Industrial Hygiene Concentrations.

Total MPH Program Hours = 43 credit hours

Curriculum Map Health Promotion

Plan A

Fall Semester 1 (9) credits	Spring Semester 1 (9) credits
MPH 816 Public Health Organization and Administration MPH 855 Principles of Epidemiology MPH 830 Biostatistics	MPH 840 Research Methods in Public Health MPH 825 Public Health Planning MPH 810 Human Behavior Change
Summer Semester 1 (3) credits	Fall Semester 2 (12) credits
HEA 890 Applied Learning Experience	HEA 820 Global Health HEA 826 Public Health Program Evaluation Scholarship in HEA 880 Community Health (Integrative Learning Experience) Intro to Environmental MPH 850 Health
Spring Semester 2 (10) credits	
Elective 3 hour course MPH 856 Applied Epidemiology HEA 805 Public Health Communication MPH 895 MPH Capstone	

**Curriculum Map
Environmental/Occupational Health & Sustainability**

Plan A

Fall Semester 1 (9) credits	Spring Semester 1 (9) credits
MPH 850 Intro to Environmental Health EHS 865 Environmental Toxicology EHS 840 Total Worker Health	EHS 860 Air Quality Assessment MPH 855 Principles of Epidemiology ***Elective***
Summer Semester 1 (6) credits	Fall Semester 2 (9) credits
EHS 863 or EHS 839 Applied Learning Experience MPH 830 Biostatistics in Health Sciences	MPH 810 Human Behavior Change MPH 840 Research Methods in Public Health MPH 825 Public Health Planning
Spring Semester 2 (10) credits	
EHS 890 Integrative Learning Experience MPH 816 Public Health Organization and Administration MPH 895 MPH Capstone ***Elective***	

Curriculum Map Environmental/Occupational Health & Sustainability

Plan B

Spring Semester 1 (9) credits	Summer Semester 1 (3) credits
EHS 860 Air Quality Assessment MPH 855 Principles of Epidemiology ***Elective***	MPH 830 Biostatistics in Health Sciences
Fall Semester 1 (9) credits	Spring Semester 2 (10) credits
MPH 850 Intro to Environmental Health EHS 865 Environmental Toxicology EHS 840 Total Worker Health	MPH 840 Research Methods in Public Health MPH 895 MPH Capstone MPH 816 Public Health Organization and Administration ****Elective***
Summer Semester 2 (3) credits	Fall Semester 2 (9) credits
EHS 863 or EHS 839 Applied Learning Experience	EHS 890 Integrative Learning Experience MPH 810 Human Behavior Change MPH 825 Public Health Planning

Core Course Descriptions

Core Courses (21 credit hours)
<p>MPH 850-Intro to Environmental Health (3 credit hours) Study of the effects of the environment on personal and public health related to water and waste water treatment, air pollution, food hygiene, disease vectors, waste disposal, radiation, noise, institutions etc. as they link to chronic and communicable diseases.</p>
<p>MPH 810-Human Behavior Change (3 credit hours) Examines selected theories and models of health behavior relevant to health promotion in individuals and communities. Students will analyze biological, psychological, sociological, and environmental influences on behavior, and evaluate strategies for health promotion.</p>
<p>MPH 816-Public Health Organization and Administration (3 credit hours) An in-depth exploration of the public health: its historical basis; contributions to improvement in health; the organizational structure of public health at the local, state, and national levels; involvement of local, state and federal government in public health; management of public health resources including human resources; identification of relationship of public health alliances such as public health officials with managed care; and the future of public health in the United States. In addition, an investigation of current public health issues and efforts ameliorate public health concerns, with an emphasis on preventive approaches. Disease base-lining, preventive methods and public accountability will be emphasized in this course.</p>
<p>MPH 825-Public Health Planning (3 credit hours) The study of the planning tools required for administration and implementation of public health Programs.</p>
<p>MPH 830-Biostatistics in Health Sciences (3 credit hours) This course is an introduction to basic concepts of statistics as applied to public health. Major topics to be covered include descriptive statistics, theoretical distributions, probability, estimation, hypothesis testing, correlation, analysis of variance, and regression.</p>
<p>MPH 835 - Survey of Public Health Statistical Analysis (3 credit hours). A survey course of the commonly used environmental public health statistical programs for analysis of data including SPSS, SAS, Minitab, and Stata. Emphasis placed on applying statistical analysis using environmental health data.</p>
<p>MPH 855-Principles of Epidemiology (3 credit hours) This course is a study of the distribution and determinants of disease and injury. Research methodologies for human research and disease surveillance techniques will be emphasized.</p>
<p>MPH 840-Research Methods in Public Health (3 credit hours) Emphasis will be on identifying a community health research problem, constructing hypotheses, selecting a research design and statistical analyses, and interpreting the findings of the study. <i>(for HP and PHN students)</i></p>
<p>MPH 895: Public Health Capstone Course. (1) This capstone course will allow students the opportunity to integrate and apply competencies acquired through the MPH program to problems likely to be encountered in public health practice. The course is designed to partially meet the culminating experience requirement for students in the program.</p>

Other Course Descriptions

Health Promotion Option

HEA 805: Public Health Communications. (3) 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 820: Global health. (3) 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 826: Public Health Program Evaluation (3) The focus of this course is on methods and techniques to evaluate public health policies and programs.

HEA 856: Applied Epidemiology. (3) 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 Community Health. (3) 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) Student will be placed in a supervised work environment in public health.

Environmental/Occupational Health & Sustainability Option

EHS 710: Radiological Health & Safety (3). 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.

EHS 730: Emerging and Re-emerging Infectious Diseases (3). The student will acquire an understanding of the principles of identification, evaluation, and control of vectors, and vector borne diseases of public health concern including pesticides and their safe use.

EHS 840: Total Worker Health (3). A study of the impact of the workplace on workers' health and the control of causative factors of disease.

EHS 841: Occupational Health Exposure Assessment. (3). 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.

EHS 855: Global Environmental Crisis Management (3). The course will cover many types of both natural man-made disasters and will focus on the provision of preventive disease processes, safe food, water and shelter.

EHS 860: Air Quality Assessment (3). Study of health impacts of air pollution from both outdoor and indoor sources. The course will also provide information about the various methods of reducing, control and elimination of air pollution.

EHS 863: Field Experience in Environmental Health (3). 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.

EHS 865: Environmental Toxicology (3). Toxicology, the principles, concepts and thinking that are its foundation. The course addresses mechanisms by which the substances enter the cells of the body, physiological processes, target organs, classes of toxic substances, and potential exposures.

EHS 875: Principles of Ventilation (3). 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 and Waterborne Sanitation (3). The management of safety and disease hazards inherent in administering community Programs of food hygiene, water and wastewater.

EHS 885: Crisis Management, Risk Communication/Assessment (3). 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: Graduate Project in Environmental Health. (3) Research into a special topic in Environmental Health. Student must have approval of course faculty.

**EASTERN KENTUCKY UNIVERSITY
MPH PLANNED PROGRAM FORM**

Name _____ Address _____

ID# _____ Phone _____ Email _____

Degree: Master of Public Health with an emphasis in Health Promotion

Signature of Student _____ Date _____ Signature of Advisor _____ Date _____

Note: Program changes must be approved using the 'Application for a change in the Planned Program' form.

EKU GRADUATE CREDIT

Course Number and Title	Credit Hours/Grade/Date Complete/Change or Comments
MPH Core	24 hours
MPH 810 – Human Behavior Change	3 _____
MPH 816 – Public Health Organization & Administration	3 _____
MPH 825 – Public Health Planning	3 _____
MPH 830 – Biostatistics in Health Sciences	3 _____
MPH 840 – Research Methods in Public Health	3 _____
MPH 855 – Principles of Epidemiology	3 _____
MPH 850 – Intro to Environmental Health	3 _____
Health Promotion Required Courses	15 hours
HEA 805 – Public Health Communication	3 _____
HEA 820 – Global Health	3 _____
HEA 826 – Public Health Program Evaluation	3 _____
HEA 856 – Applied Epidemiology	3 _____
Health Promotion Elective Course	3 hours
_____	3 _____
Integrated Learning Experience	3 hours
HEA 880 – Scholarship in Public Health	3 _____
Applied Practical Experience	3 hours
HEA 890 – Practicum in Community Health	3 _____
Capstone	1 hour
MPH 895 – Public Health Capstone	1 _____

TOTAL GRADUATE PROGRAM HOURS: 43 Anticipated Date of Graduation: _____

PLANNED CURRICULUM APPROVALS _____
Advisor Date

 MPH Program Director Date

TIME LIMIT: This program must be completed within 10 years to avoid losing course credits.

Appendix A: Program Competencies

- Appendix A-1: Master of Public Health Core Course Competencies**
- Appendix A-2: Competencies in the ECU MPH Program: Health Promotion Option**
- Appendix A-3: Environmental Health Science and Protection Accreditation Council (EHAC) Competencies in the ECU MPH Program: Environmental/Occupational Health & Sustainability Option**

Appendix A-1

Master of Public Health Competencies

1.1 Explain public health history, philosophy and values
1.2 Identify the core functions of public health and the 10 Essential services
1.3 Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health
1.4 List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
1.5 Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.
1.6 Explain the critical importance of evidence in advancing public health knowledge
1.7 Explain effects of environmental factors on a population's health
1.8 Explain biological and genetic factors that affect a population's health
1.9 Explain behavioral and psychological factors that affects a population's health
1.10 Explain the social, political and economic determinants of health and how they contribute to population health and health inequities
1.11 Explain how globalization affects global burdens of disease
1.12 Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)
2.1 Apply epidemiological methods to the breadth of settings and situations in public health practice
2.2a Select quantitative data collection methods appropriate for a given public health context
2.2b Select qualitative data collection methods appropriate for a given public health context
2.3a Analyze quantitative data using biostatistics, informatics, computer-based programming and software, as appropriate
2.3b Analyze qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate
2.4 Interpret results of data analysis for public health research, policy or practice
2.5 Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings
2.6 Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels
2.7 Assess population needs, assets and capacities that affect communities' health
2.8 Apply awareness of cultural values and practices to the design or implementation of public health policies or programs
2.9 Design a population-based policy, program, project or intervention

2.10 Explain basic principles and tools of budget and resource management
2.11 Select methods to evaluate public health programs
2.12 Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence
2.13 Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
2.14 Advocate for political, social or economic policies and programs that will improve health in diverse populations
2.15 Evaluate policies for their impact on public health and health equity
2.16 Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making
2.17 Apply negotiation and mediation skills to address organization or community challenges
2.18 Select communication strategies for difference audiences and sectors
2.19a Communicate audience-appropriate public health content in writing
2.19b Communicate audience-appropriate public health content through oral presentations
2.20 Describe the importance of cultural competence in communicating public health content
2.21 Perform effectively on interprofessional teams
2.22 Apply systems thinking tools to a public health issue

Appendix A-2:

Competencies in the ECU MPH Program: Health Promotion Option

Assessment of Competencies for MPH in Health Promotion Concentration		
Competency	Course number(s) and name(s)	Describe specific assessment opportunity ⁿ
1. Select, adapt, and/or create instruments to collect data for investigating public health issues	HEA 856 Applied Epidemiology	This competency is assessed through the <i>Survey, Sampling, and Coding Assignment</i> . Students create a data collection instrument using Epi Info 7 on a student chosen public health issue. Questions to collect information needed to evaluate a contributing source of the health problem are developed and coded. The data collection instrument must include an introduction to the study questionnaire and an ending statement.
2. Apply communication and health theories to create and deliver health communication messages.	HEA 805 Public Health Communications	As a group, students will work through the process of the generalized planning model to provide a needs assessment of the given community and health disparity, an overview of existing programs that address the given health disparity issue, and a description of a community specific health messaging campaign that each group will design. This design must reflect a culturally competent and target audience specific approach to message design and implementation based on a health communication theory covered in this course.
3. Develop evaluation plan for health promotion	HEA 826 Public Health Program Evaluation	<i>Assessed through Group Evaluation Project:</i> Students will work in small groups to develop an evaluation plan for a public health initiative and will present the group evaluation plan. The evaluation plan will follow the steps of the CDC Framework for Evaluation. See syllabus Course Requirements (page 3) for further detail.
4. Analyze how to strengthen delivery systems for health promotion services.	HEA 820 Global Health	As part of the "Minister of Health" assignment students will analyze gaps in the delivery of health services in resource poor settings/ developing nations specific to a specific disease burden and provide recommendations to improve health services
5. Provide advice and consultation on health promotion issues	HEA 826 Public Health Program Evaluation	Assessed through Module Exercises in which students will assume they have been hired to serve as external or internal evaluation consultants. Students will respond to a specific prompt regarding program evaluation, and will be asked to develop a blog post or VoiceThread presentation for the purpose of providing advise and/or consultation on an element of evaluation.

Appendix A-3

Competencies in the ECU MPH Program: Environmental/Occupational Health & Sustainability Option

Assessment of Competencies for MPH in Environmental/Occupational Health & Sustainability Concentration		
Competency	Course number(s) and name(s)	Describe specific assessment opportunityⁿ
Examine sources and pathways of environmental and occupational health hazard exposures.	EHS 840 Total Worker Health	Case Study: Students craft a term paper examining either a biological, chemical or physical hazard and associated health impacts.
Develop a strategy for assessing exposure risk of individuals to environmental or occupational health hazards.	EHS 860 Air Quality Assessment	Sampling Plan: Students develop a sampling plan for an occupational respiratory pollutant, which requires selecting a risk assessment tool, monitoring equipment, personnel selection, identifying appropriate industry standards for comparison, and interpretation of results.
Conduct a risk analysis for an environmental or occupational health issue.	EHS 865 Environmental Toxicology	Case Study: Students examine physiological effects and health outcomes associated with a health hazard exposure. Students are required to identify a hazard, review dose-response and exposure monitoring data, and to characterize risk.
Interpret and apply federal regulations to environmental or occupational health issues.	EHS 860 Air Quality Assessment	Case Study: Students complete a written examination of the Clean Air Acts National Ambient Air Quality Standards and its benefit to human health.
Examine adverse health outcomes associated with environmental or occupational health hazard exposures.	EHS 865 Environmental Toxicology	Case Study: Students examine physiological effects and health outcomes associated with a health hazard exposure.