

Fay W. Boozman College of Public Health
 Certificate in Environmental and Occupational Health

Program Director: En Huang

EHuang@uams.edu

 Advisee's Name

 Student ID Number

 Faculty Advisor

ACADEMIC INTEGRITY TRAINING	Completion Date
Certification Test	
WRITING MILESTONE	
Skills Certification	

Academic Integrity Training Requirement: All students in the COPH must adhere to the highest standards of professional and ethical conduct. Among these standards is the recognition that student written work must be original and appropriately cited. In order to facilitate understanding of this standard, all students must complete the on-line course "*How to Recognize Plagiarism: Tutorials*" at

<https://plagiarism.iu.edu/tutorials/> and complete the Certification Test at

<https://plagiarism.iu.edu/certificationTests/index.html>. Upon successful completion of the test, students must provide a copy of the Validation Certificate to the COPH Office of Student and Alumni Affairs at cophoffice@uams.edu. The requirement must be completed by the first day of classes.

Writing Milestone Requirement: All students who enter the College of Public Health are required to complete a Writing Skills Assessment at the beginning of their first semester. The Assessment will identify strengths and weaknesses and highlight opportunities for improvement. Students who do not meet a predetermined score will be required to complete an online COPH 50000 Public Health Writing Workshop course. This course will address the fundamentals of good writing, writing with scholarly sources, revision strategies, and other topics in the interest of improving student writing skills. This is a non-credit curriculum requirement.

ALL EHS OPTIONS

REQUIRED – 9 Credit Hours		Credit Hours	Grade	Year	Term
ENVH 51003	Environmental Health Sciences	3			
ENVH 53003	Principles of Toxicology in Public Health	3			
ENVH 54003	Public Health Microbiology	3			

ELECTIVES – Choose 3 Credit Hours		Credit Hours	Grade	Year	Term
ENVH 53103	Climate Change and Public Health	3			
ENVH 54103	Geographic Information Systems in Public Health	3			
ENVH 52103	Applied Knowledge in Environmental Health	3			

MINIMUM TOTAL HOURS = 12

Graduate Certificate in Environmental and Occupational Health		
Competency	Course	Assessment Strategy
1. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs	ENVH 51003 Environmental Health Sciences	Discussion Questions and Presentation. Discussion Question 7 requires students to discuss the implementation of a specific public health policy in a local population in the state of Arkansas. Discussion Question 1 also involves applying considerations for a specific local population. The Final Presentation is designed to be given to a specific audience (varies by chosen topic), including discussion of relevant policies/programs and their effects on selected population(s), which is important to understand before new policies or programs can be implemented. Discussion Questions and Final Presentation are evaluated by instructor and peers according to course syllabus.
2. Design a population-based policy, program, project or intervention	ENVH 51003 Environmental Health Sciences	Discussion Questions and Presentation. Discussion Questions 4, 5, 6, & 8 ask students to design or discuss possible interventions and mitigation techniques for various environmental health hazards. In the Final Presentation, student must also suggest policies and mitigation programs to change/resolve an issue related to their Presentation topic. Discussion Questions and Final Presentation are evaluated by instructor and peers according to course syllabus.
3. Advocate for political, social or economic policies and programs that will improve health in diverse populations	ENVH 51003 Environmental Health Sciences	Discussion Questions and Presentation. Discussion Question 3 requires students to evaluate disparate impacts of a common exposure on diverse populations, discuss implications, and advocate for a policy and program-based solution. Each Final Presentation is to a specific audience (e.g., elder community, warehouse workers, etc.), and students are encouraged to educate their audience on ways they can advocate to improve public health in their communities. This varies by topic but may include encouraging audience members to contact elected officials, or open discussions with neighbors, etc.
4. Evaluate policies for their impact on public health and health equity	ENVH 51003 Environmental Health Sciences	Discussion Questions and Presentation. Discussion Questions 1 & 2 require students to examine recent and/or ongoing public health issues, with an evaluation of relevant policies

		and programs and their effectiveness. Final Presentations vary in their treatment of this theme, depending on the selected topic, but all students are encouraged to consider environmental justice (as appropriate/relevant) in their presentations.
5. Illustrate appropriate use of hazard analysis and risk assessment concepts.	ENVH 53003 Principles of Toxicology in Public Health	Presentation. At the end of the semester, students give a summary presentation in which they illustrate appropriate use of risk assessment concepts based on guidelines and frameworks provided by major regulatory agencies for the evaluation of toxic exposures via air, water, or soil.
6. Assess potential biological hazards in the environment and approaches to control them."	ENVH 54003 Public Health Microbiology	Exam. Students have one exam in which they answer questions that require them to identify potential biological hazards in a specific environment, select an appropriate approach to assess or mitigate a potential hazard, or provide evidence that they can apply such an approach. Answers require quantitative work (calculations), qualitative work, or both. Assessment focuses on whether the student provides the correct answers, and on demonstration of appropriate rationale where applicable. Grading will be performed following the rubric in the course syllabus.
7. Synthesize and break down the science underlying major public health issues from multiple sources.	ENVH 54003 Public Health Microbiology	Presentation. Students prepare a presentation approximately 10 minutes long in which they summarize a topic related to public health biology. The students are required to synthesize information from a textbook chapter and additional reference material and break it down for their audience. Grading will be performed following the rubric in the course syllabus.