

## Fay W. Boozman College of Public Health

Doctor of Philosophy in Epidemiology

Program Director: Mohammed Orloff

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Advisee's Name

Student ID Number

Faculty Advisor

	Completion Date
<b>Academic Integrity</b>	
Certification Test	
<b>Writing</b>	
Skills Certification	
<b>IPE</b>	
Exposure Workshop	
Bridge Transition	
Immersion Project	
Competence Activity	

**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](mailto:cophoffice@uams.edu). The requirement must be completed by the first day of classes. Requirement approval date: 09.02.2020.

**Writing Milestone Requirement:** All degree-seeking 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 PBHL 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. Requirement approval date: 09.02.2020.

**IPE Curriculum Requirement:** All COPH degree-seeking students are required to complete the UAMS Quadruple Aim Interprofessional Education (IPE) Program prior to graduation. According to the World Health Organization (WHO), “*Interprofessional Education occurs when two or more professions learn with, from and about each other to improve collaboration and the quality of care.*” The IPE Program is noncredit hour earning and consists of several workshops and other activities. All aspects of the IPE Program must be completed prior to degree program completion as a condition of graduation. For more information on **IPE**, please consult the Office of Student and Alumni Affairs, the Associate Dean for Student and Alumni Affairs or visit our website: <https://secure.uams.edu/cophstudent/student-handbook.aspx#ipe>. Requirement approval date: 2015

IPE CURRICULUM FOR THE PHD IN EPIDEMIOLOGY	
<p><b>1. IPE UNIV 11000 EXPOSURE WORKSHOP</b>  <b>Format/Event:</b> Online/Distance Learner “Interprofessional Collaboration: Theory and Application at UAMS”.  <b>Timeline:</b> Prior to 1st day of class in 1st semester.  <b>Course Association:</b> UNIV 11000  <b>Notes:</b> Enroll 1st semester. Requirements include submitting a verification/completion form into Blackboard within 7 days of activity.</p>	<p><b>2. IPE UNIV 12000 EXPOSURE BRIDGE TRANSITION</b>  <b>Format/Event:</b> Online/Distance Learner “Interprofessional Collaboration: Theory and Application at UAMS”.  <b>Timeline:</b> Prior to 1st day of class in 1st semester.  <b>Course Association:</b> IPE UNIV 12000  <b>Notes:</b> Enroll 1st semester. Requirements include submitting a reflection form into Blackboard within 7 days of activity.</p>
<p><b>3. IPE UNIV 13000 IMMERSION QUADRUPLE AIM PROJECT</b>  <b>Format/Event:</b> Any QAP Workshop event posted on the IPE website.  <b>Timeline:</b> 12th—24th credit hour  <b>Course Association:</b> UNIV 13000  <b>Notes:</b> Enroll the semester of your 12th credit hour.</p>	<p><b>7. IPE UNIV 16000 COMPETENCE PRACTICE ACTIVITY</b>  <b>Format/Event:</b> Competence Practice Activity  <b>Timeline:</b> 24th credit hour and completion of degree  <b>Course Association:</b> UNIV 16000  <b>Notes:</b> Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.</p>
<p>IPE CURRICULUM July 2024                      Note: For onsite versus online/ distance options as approved events please verify with your program coordinator first. Then ensure you are registered in the correct GUS course for the delivery method (onsite v. online/distance). If you need to switch courses, you must process a course swap in GUS.</p>	

<b>REQUIRED – 24 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 64243	Advanced Epidemiology Methods	3			
EPID 64233	Advanced Epidemiologic Methods Laboratory	3			
EPID 63363	Observational Study Designs	3			
EPID 60001	Instructional Methods and Teaching Practicum	1			
EPID 62243	Clinical Trials	3			
BMIG 51202	Foundations of BMI: Population Health Information	2			
PBHL 64373	Grant Writing	3			
BIOS 52143	Categorical Data Analysis	3			
BIOS 62233	Biostatistics III: Multivariate Analysis & Linear Models	3			
<b>SELECTIVE 1*† – 3 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 53253	Epidemiology for Chronic Diseases	3			
EPID 53263	Epidemiology of Infectious Diseases	3			
EPID 61202	Principles and Practice of Public Health Surveillance	3			
<b>SELECTIVE 2*† – 3 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 63243	Genomics/Genetic Epidemiology	3			
EPID 63353	Molecular Epidemiology	3			
<b>SELECTIVE 3*† – 3 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
PBHL 63463	Social Determinants of Health/	3			
PHHL 63033	Community-Based Program Design	3			
<b>PROJECTS AND SEMINARS – 11 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
PBHL 6100V	Directed Study	3			
EPID 5000V	Special Topics in Epidemiology	2			
PBHL 6999V	Dissertation Research (minimum)	6			
<b>ELECTIVES – 10 Credit Hours</b>		<b>Credit</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>

MINIMUM TOTAL HOURS = 54

\*Select a course that was not included as a prerequisite for the PhD program.

†If all the courses under a selective category have already been completed in the master's program, student may take other courses in the department.

PhD in Epidemiology		
Competency	Course	Assessment
1. Critically appraise the scientific epidemiologic literature.	EPID 64243 Advanced Epidemiologic Methods	Final Project: Students submit a publishable Letter to Editor that analyzes and evaluates a recently published article using a rubric (see syllabus).
	Doctoral Qualifying Examination	Qualifying Examination: Students are required to appraise selected published epidemiologic studies using a rubric adopted by the faculty prior to the exam.
2. Create a grant proposal for an epidemiologic study with the appropriate study design and methods.	PBHL 64373 Grant Writing	Final Project: Students formulate a research question and write a complete grant proposal in the NIH F31 pre-doctoral fellowship format that could be submitted for funding consideration. The project is evaluated using NIH scoring.
	Doctoral Qualifying Examination	Qualifying Examination: Student are required to select from a list of topics and write a grant proposal for an epidemiologic study. The proposal is evaluated using NIH scoring. Student cannot pass the qualifying examination without passing this take-home portion.
3. Design and deliver a class session in a course in epidemiology while demonstrating proficiency in critical pedagogical concepts.	EPID 60001 Instructional Methods and Teaching Practicum	Lectures: students are required to deliver 3 proficient lectures in methods courses in Epidemiology. These lectures are evaluated by the instructor for EPID 6001 and the instructors of the courses in which they guest lecture using a rubric available on the syllabus.
4. Assess complex epidemiologic information in oral and written form.	EPID 63363 Observational Study Designs	Oral presentations and written documents: Students are required to give oral presentations and prepare written documents that present assessments of epidemiologic studies using a rubric given to the students.
5. Solve epidemiologic or public health problems using advanced epidemiologic theory and methods.	EPID 64243 Advanced Epidemiologic Methods	Midterm and Final Examinations: These examinations test the ability of the student to apply advanced epidemiologic theory and methods to epidemiologic studies. Specifically, students are given scenarios of epidemiologic studies and asked to apply advanced methods regarding the design, analyses, and implementation of the study, while being aware of the strengths and limitations of the methods used. A rubric is used to grade the exams and is given to the students with the examination.