

# 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>PLAGIARISM TRAINING</b>	
Certification Test	
<b>WRITING MILESTONE</b>	
Skills Certification	
<b>IPE CURRICULUM</b>	
Exposure Workshop	
Bridge Transition	
Quadruple Aim Project	
Simulation Activity	
Competency Workshop	
Required Practice Activity	
Student Educator Activity	

**Plagiarism 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 COPH 5000 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 IPEC 1101 (001) 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> NA  <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 IPEC 1201 (001) 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 IPEC 1201-100  <b>Notes:</b> Enroll 1st semester. Requirements include submitting a reflection form into Blackboard within 7 days of activity.</p>	<p><b>3. IPE IPEC 1301 (001) IMMERSION QUADRUPLE AIM PROJECT (QAP) WORKSHOP</b>  <b>Format/Event:</b> Dissertation Creation  <b>Timeline:</b> During dissertation creation  <b>Course Association:</b> IPE IPEC 1301-100  <b>Notes:</b> Enroll 1st semester. Requirements to complete this activity include submitting a draft of your dissertation proposal which lists your faculty advisors into the Blackboard course.</p>	<p><b>4. IPE IPEC 1401 (001) IMMERSION SIMULATION</b>  <b>Format/Event:</b> Any onsite event posted on the IPE website.  <b>Timeline:</b> 12th—24th month of enrollment  <b>Course Association:</b> IPE IPEC 1401-100  <b>Notes:</b> Enroll 1st semester and complete by 24th month of enrollment.</p>
<p><b>5. IPE IPEC 1501 (001) COMPETENCE WORKSHOP</b>  <b>Format/Event:</b> IRB Training Course from CITI Program. Basic Human Subject Protection training course for either Biomedical or Social Behavioral Research (whichever applies to your area)  <b>Timeline:</b> 24th credit hour and completion of degree  <b>Course Association:</b> IPE IPEC 1501-100  <b>Notes:</b> Enroll the semester of your 24th credit hour. This activity should be completed prior to your dissertation proposal defense. You will upload your IRB training certificate into Blackboard to complete this activity.</p>	<p><b>6. IPE IPEC 1601 (001) 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> IPE IPEC 1601-001 &amp; COPH 6999 (Dissertation Research )  <b>Notes:</b> Enroll the semester of your 24th credit hour. Requirements include submitting a reflection into Blackboard within 7 days of activity. This activity should be completed as part of your dissertation research.</p>	<p><b>7. IPE IPEC 1701 (001) COMPETENCE STUDENT EDUCATOR ACTIVITY</b>  <b>Format/Event:</b> Student Educator Activity  <b>Timeline:</b> During dissertation defense  <b>Course Association:</b> IPE IPEC 1701-001 &amp; COPH 6999 (Dissertation Research)  <b>Notes:</b> Enroll the semester of your dissertation defense. Requirements include submitting a reflection into Blackboard within 7 days of activity. This activity should be completed as part of your dissertation defense.</p>	<p>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>
IPE CURRICULUM 07.01.2022			

<b>REQUIRED – 24 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 6424	Advanced Epidemiology Methods	3			
EPID 6423	Advanced Epidemiology Methods Laboratory	3			
EPID 6336	Observational Study Designs	3			
EPID 6001	Instructional Methods and Teaching Practicum	1			
EPID 6224	Clinical Trials	3			
BMIG 5103	Foundations of BMI: Population Health Information	2			
COPH 6437	Grantsmanship and the Peer Review Process	3			
BIOS 5214	Categorical Data Analysis	3			
BIOS 6223	Biostatistics III: Multivariate Analysis & Linear Models	3			
<b>SELECTIVE 1*† – 3 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 5325	Epidemiology of Chronic Diseases	3			
EPID 5326	Epidemiology of Infectious Diseases	3			
EPID 6121	Principles and Practice of Public Health Surveillance	2			
<b>SELECTIVE 2*† – 3 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
EPID 6324	Genomic/Genetic Epidemiology	3			
EPID 6335	Molecular Epidemiology	3			
<b>SELECTIVE 3*† – 3 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
COPH 6346	Social Determinants of Health/Social Epidemiology	3			
COPH 6403	Community-Based Program Evaluation	3			
<b>PROJECTS AND SEMINARS – 11 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
COPH 6100	Directed Study	3			
EPID 6102	Special Topics in Epidemiology	2			
COPH 6999	Dissertation Research (minimum)	6			
<b>ELECTIVES – 10 Credit Hours</b>		<b>Credit Hours</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 6424 Advanced Epidemiologic Methods  Doctoral Qualifying Examination	Final Project: Students submit a publishable Letter to Editor that analyzes and evaluates a recently published article using a rubric (see syllabus).  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.	COPH 6437 Grantsmanship and the Peer Review Process  Doctoral Qualifying Examination	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.  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 6001 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 6336 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 6424 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.