Fay W. Boozman College of Public Health
MPH Concentration in Epidemiology (EPI)

Program Director: Wendy Nembhard
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Advisee's Name   **Student ID Number**   **Faculty Advisor**

	Completion Date
ACADEMIC INTEGRITY TRAINING	
Certification Test	
WRITING MILESTONE	
Skills Certification	
QR MILESTONE	
QR Skills Assessment	
IPE CURRICULUM	
Exposure Workshop	
Bridge Transition	
Quadruple Aim Project	
Simulation Activity	
Competency Workshop	
Required Practice Activity	
Student Educator 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. The requirement must be completed by the first day of classes. Requirement approval date: 09.02.2020.

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 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.

Quantitative Reasoning (QR) Requirement: Effective Fall 2022, all MPH students who enter the College of Public Health are required to complete a QR Skills Assessment at the beginning of their first semester. The QR 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 50040 Public Health QR Workshop course. This course will address the fundamentals of pre-algebra, algebra, and other topics in the interest of improving student QR skills. This is a non-credit curriculum requirement. Requirement approval date: 02.02.2022.

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 MPH

1. IPE IPEC 1101 (001) EXPOSURE WORKSHOP* **Format/Event:** LIVE Exposure Workshop in August. **Timeline:** 1st semester. **Course Association:** NA **Notes:** Enroll 1st semester and complete by the end of 12th credit hour. Your IPE Program Contact will determine what date you attend.	**2. IPE IPEC 1201 (001) EXPOSURE BRIDGE TRANSITION*** **Format/Event:** Any onsite Exposure Bridge Transition event posted on the IPE website. **Timeline:** 1st semester **Course Association:** NA **Notes:** Enroll 1st semester. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity. Complete by the end of 12th credit hour.	**3. IPE IPEC 1301 (001) IMMERSION QUADRUPLE AIM PRJECT (QAP) WORKSHOP** **Format/Event:** Any QAP Workshop event posted on the IPE website. **Timeline:** 12th—24th credit hour **Course Association:** NA **Notes:** Enroll the semester of your 12th credit hour.	**4. IPE IPEC 1401 (001) IMMERSION SIMULATION** **Format/Event:** Any onsite Immersion Simulation event posted on the IPE website. **Timeline:** 12th—36th credit hour **Course Association**: NA **Notes:** Enroll the semester of your 12th credit hour.
5. IPE IPEC 1501 (001) COMPETENCE WORKSHOP* **Format/Event:** Any onsite Competence Workshop event posted on the IPE website. **Timeline:** 24th credit hour and completion of degree **Course Association:** NA **Notes:** Enroll the semester of your 24th credit hour.	**6. IPE IPEC 1601 (001) COMPETENCE PRACTICE ACTIVITY** **Format/Event:** Onsite Competence Practice Activity — APE course **Timeline:** 24th credit hour and completion of degree **Course Association:** PBHL 59893 "Applied Practice Experience" (APE). This IPE activity is an assignment for the course. **Notes:** Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.	**7. IPE IPEC 1701 (001) COMPETENCE STUDENT EDUCATOR ACTIVITY** **Format/Event:** Onsite Student Educator Activity — ILE course **Timeline:** 24th credit hour and completion of degree **Course Association:** PBHL 59932 "Integrative Learning Experience Project" (ILE). This IPE activity is an assignment for the course. **Notes:** Enroll the semester of your 24th credit hour. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.	*You may be eligible to complete the activity as an online module if you are currently working in a clinical healthcare setting. Please contact ipe@uams.edu for more information. 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. IPE CURRICULUM 07.01.2022

Biology Competence Requirement: Students are required to pass all 3 exams or successfully complete (3) 1 credit hour courses prior to or within the first semester of coursework. Courses do NOT count toward the minimum 42 credit hours for the MPH degree. For more information and waiver options visit our website: http://publichealth.uams.edu/students/current-students/public-health-biology-competency-exam/.

BIOLOGY COMPETECY REQUIREMENT (Prerequisite for All MPH Degree Options)

BIOLOGY (REQUIRED)		Credit Hours	Grade	Year	Semester
ENVH 50301	Biology for Public Health: Infectious Disease	1			
ENVH 50101	Biology for Public Health: Chronic Disease	1			
ENVH 50201	Biology for Public Health: Current Issues	1			

COMPLETE THE MPH CORE (All MPH Degree Options)

MPH CORE (REQUIRED) – 18 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 50033	*Introduction to Public Health	3			
BIOS 50133	Biostatistics I	3			
ENVH 51003	Environmental Health Sciences	3			
HPMT 51033	The Health Care System	3			
HBHE 51043	Health Behavior and Health Education	3			
EPID 51103	Epidemiology I	3			

*See Knowledge Credit for Public Health policy in the COPH Student Handbook.

COMPLETE THE CPH EXAM PREP COURSE

CPH EXAM PREP COURSE (REQUIRED)– 1 Credit Hour		Credit Hours	Grade	Year	Semester
PBHL 59931	Certified in Public Health Exam Prep Seminar	1			

COMPLETE THE EPI CORE

EPI CORE (REQUIRED) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
EPID 53203	Epidemiology II	3			
EPID 53343	Epidemiology III	3			
EPID 55733	Data Management and Programming for Epidemiologists	3			

FOLLOW YOUR EPI OPTION

☐ *MPH in EPI*

OTHER REQUIRED COURSE FOR MPH IN EPI STUDENTS – 3 Credit Hours		Credit Hours	Grade	Year	Semester
BIOS 52103	Biostatistics II: Advanced Linear Models	3			
ELECTIVES (FOR MPH STUDENTS (with approval of EPI academic advisor) –6 Credit Hours		**Credit Hours**	**Grade**	**Year**	**Semester**
EPID 53253	Epidemiology of Chronic Diseases	3			
EPID 53263	Epidemiology of Infectious Diseases	3			
EPID 61202	Principles and Practice of Public Health Surveillance	3			
EPID 53333	Cancer Epidemiology	3			
PBHL 53463	Social Determinants of Health	3			

		Credit Hours	Grade	Year	Semester
EPID 53353	Molecular Epidemiology	3			
EPID 63243	Genomics/Genetic Epidemiology	3			
EPID 61001	Special Topics in Epidemiology	3			

☐ *MD/MPH in EPI*

SELECTIVES FOR MD/MPH STUDENTS (with approval of the EPI academic advisor– 9 Credit Hours		Credit Hours	Grade	Year	Semester
MODU 8100V	Brain and Behavior	8			
FMED 83104	Family Medicine	4			
MODU 8207V	Medicine Across Generations	4			
MODU 81553 & 81564	Practice of Medicine 1 – Parts 1 & 2	6			
MODU 82554 & 82562	Practice of Medicine 2 – Parts 1 & 2	9			
PEDI 83008	Pediatrics	8			
PSYC 83006	Psychiatry	6			

☐ *PharmD/MPH in EPI*

SELECTIVES FOR PharmD/MPH STUDENTS (with approval of EPI academic advisor) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
PHPR 71032	US Health Care System for Pharmacists	2			
PHPR 73043	EBM& Pharmacoeconomics	3			
PHPR 73102	Death and Dying	2			
PHPR 73262	Infectious Diseases Pharmacotherapy Elective	2			
PHPR 73272	Landmark Studies	2			
PHPR 73332	Leadership	2			
PHPR 73342	Toxicology	2			
PHPR 73182	Entrepreneurship	2			
PHPR 73372	Infectious Diseases and Stewardship Elective	2			
PHPR 73392	Culinary Medicine	2			

☐ *JD/MPH in EPI* (courses taken at Bowen School of Law, not UAMS)

COURSE (REQUIRED) FOR JD/MPH IN EPI STUDENTS – 3 Credit Hours		Credit Hours	Grade	Year	Semester
LAW 6350	Administrative Law	3			
SELECTIVES (with approval of EPI academic advisor) – 6 Credit Hours		**Credit Hours**	**Grade**	**Year**	**Semester**
LAW 6235	Advocacy for Policy Makers	2			
LAW 6326	Environmental Law	3			
LAW 6356	Civil Liberties	3			
LAW 6375	Local Government	3			

☐ *AUD/MPH in EHS*

COURSES (REQUIRED) FOR AUD/MPH IN EPI STUDENTS – 9 Credit Hours		Credit Hours	Grade	Year	Semester
AUDI 72392	Hearing Conservation	2			
AUDI 72383	Gerontology in Audiology	2			
AUDI 83342	Professional Issues & Ethics	2			
AUDI 83373	Audiologic Rehabilitation	3			

COMPLETE THE MPH CAPSTONES (All MPH Degree Options)

PUBLIC HEALTH PRACTICE (REQUIRED) – 5 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 59893	Applied Practice Experience	3			
	TITLE:				
[1]PBHL 59932	Integrative Learning Experience Project [1] (*May not be taken concurrently with PBHL 59893 Applied Practice Experience*)	2			
	TITLE:				

MINIMUM TOTAL HOURS = 42

MPH Concentration: Epidemiology		
Competency	Course	Assessment
1. Evaluate the appropriateness of epidemiologic study designs.	EPID 53203 Epidemiology II	Paper critiques. Students evaluate the appropriateness of epidemiologic study designs for the stated/proposed research question. They must discuss the strengths and weaknesses of the design and alternative approaches to answering the research question. Assignments are graded using the rubric in the syllabus.
2. Critically examine and synthesize epidemiologic, and scientific literature then properly interpret results.	EPID 53203 Epidemiology II	Paper critiques. Students critically examine epidemiologic and scientific literature in paper critiques. They synthesize the epidemiologic literature and display an integrated understanding of how to interpret study results. For their critiques, students write brief reports demonstrating their understanding of important features of a sound epidemiology study design and the significance of the study results to the population studied and public health. Assignments are graded using the rubric in the syllabus.
3. Analyze and apply the principles of validity, reliability, confounding and biases in epidemiology.	EPID 53203 Epidemiology II	Final project. Students will have a final project where they analyze and apply the principles of validity, reliability, confounding and biases in epidemiology. Assignments are graded using the grading rubrics in the syllabus.
4. Engage in appropriate epidemiological analytical approaches and properly interpret results.	EPID 53343 Epidemiology III	Reports. Students will use datasets and statistical software packages such as SAS. They need to formulate appropriate analytical approaches for diverse types of exposures and outcomes. Reports will be written to reflect sound interpretation of results and conclusions. Assignments are graded using a rubric in the syllabus.
5. Illustrate required skill needed to access, manage and analyze epidemiological data.	EPID 55733 Data Management & Programming for Epidemiologists	Exams. Students perform data analyses, using SAS software and programming. Students are expected to be able to access, format manage epidemiological data. They are required to analyze epidemiological data using specific statistical tests. Assignments are graded using a rubric in the syllabus.