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

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Select Degree Option:

	MPH in EPI		MD/MPH in EPI		PharmD/MPH in EPI		JD/MPH in EPI	AUD/MPH in EPI

_____   _____   _____
Advisee's Name   Student ID Number   Faculty Advisor

	Completion Date
PLAGIARISM TRAINING	
Certification Test	
WRITING MILESTONE	
Skills Certification	
QR REQUIREMENT	
QR Skills Assessment	
IPE CURRICULUM	
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. 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 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.

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 COPH 5001 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:** COPH 5989 "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:** COPH 5992 "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/.

ALL EPI OPTIONS

BIOLOGY (REQUIRED)		Credit Hours	Grade	Year	Semester
ENVH 5011	Biology for Public Health: Infectious Disease	1			
ENVH 5002	Biology for Public Health: Chronic Disease	1			
ENVH 5003	Biology for Public Health: Current Issues	1			
MPH CORE – 18 Credit Hours		Credit Hours	Grade	Year	Semester
COPH 5003	Introduction to Public Health	3			
BIOS 5013	Biostatistics I	3			
ENVH 5102	Environmental and Occupational Health	3			
HPMT 5103	The Health Care System	3			
HBHE 5104	Health Behavior and Health Education	3			
EPID 5112	Epidemiology I	3			
EPI CORE – 9 Credit Hours		Credit Hours	Grade	Year	Semester
EPID 5322	Epidemiology II	3			
EPID 5334	Epidemiology III	3			
EPID 5573	Data Management and Programming for Epidemiologists	3			

MPH in EPI

OTHER REQUIRED COURSE FOR MPH STUDENTS – 3 Credit Hours		Credit Hours	Grade	Year	Semester
BIOS 5212	Biostatistics II: Advanced Linear Models	3			
SELECTIVES (GROUP 1) FOR MPH STUDENTS (with approval of MPH advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
EPID 5325	Epidemiology of Chronic Diseases	3			
EPID 5326	Epidemiology of Infectious Diseases	3			
EPID 6121	Principles and Practice of Public Health Surveillance	3			
EPID 5332	Cancer Epidemiology	3			
SELECTIVES (GROUP 2) FOR MPH STUDENTS (with approval of MPH advisor) – 3 Credit Hours		Credit Hours	Grade	Year	Semester
COPH 5346	Social Determinants of Health	3			
EPID 5335	Molecular Epidemiology	3			
EPID 6324	Genomics/Genetic Epidemiology	3			

MD/MPH in EPI

COURSES FOR MD/MPH STUDENTS – 9 Credit Hours		Credit Hours	Grade	Year	Semester
MODU 8101	Brain and Behavior	8			
FMED 8301	Family Medicine	4			
MODU 8206	Medicine Across Generations	4			
MODU 8105 A & B	Practice of Medicine 1 – Parts 1 & 2	6			
MODU 8105 A & B	Practice of Medicine 2 – Parts 1 & 2	9			
PEDI 8301	Pediatrics	8			
PSYC 8301	Psychiatry	6			

PharmD/MPH in EPI

SELECTIVES FOR PharmD/MPH STUDENTS (with approval of PharmD/MPH advisor) – 9 Credit Hours		Credit Hours	Grade	Year	Semester
PHPR 7102	US Health Care System for Pharmacists	2			
PHSC 7303	Evidence-Based Medicine, Biostatistics & Pharmacoeconomics	3			
PHPR 7151	Death and Dying	2			
PHPR 7367	Landmark Studies	2			
PHPR 7371	Leadership	2			
PHPR 7372	Toxicology	2			

PHSC 7358	Pediatric Antimicrobial Stewardship	2			
PHPR 7157	Entrepreneurship	2			
PHPR 7150	Culinary Medicine	2			
PHPR 7366	Infectious Diseases	2			

JD/MPH in EPI

REQUIRED COURSE – 3 Credit Hours		Credit Hours	Grade	Year	Semester
LAW 6350	Administrative Law (taken at Bowen School of Law)	3			
SELECTIVES (with approval of JD/MPH advisor) – 6 Credit Hours		**Credit Hours**	**Grade**	**Year**	**Semester**
ENVH 5221	Regulations in Environmental Health	3			
LAW 6292	Effective Advocacy for Policy Makers	3			
LAW 6337	Remedies	3			
LAW 6362	Environmental Law	3			
COPH 5346	Social Determinants of Health	3			
LAW 6393	Civil Liberties	3			
LAW 6246	Critical Race Theory Seminar	3			
COPH 5146	Rural and Global Public Health Practice	3			
LAW 6155	Introduction to International Law	1			
LAW 6292	Effective Advocacy for Policy Makers	2			
LAW 6405	Delta Clinic (only count three hours)	4			

AUD/MPH in EHS

REQUIRED COURSES – 9 Credit Hours		Credit Hours	Grade	Year	Semester
AUDI 5212	Hearing Conservation	2			
AUDI 5283	Gerontology in Audiology	2			
AUDI 5222	Professional Issues & Ethics	2			
AUDI 5243	Audiologic (Re)habilitation	3			

ALL EPI OPTIONS

PUBLIC HEALTH PRACTICE (REQUIRED) – 6 Credit Hours		Credit Hours	Grade	Year	Semester
[2]COPH 5989	Applied Practice Experience	3			
	TITLE:				
COPH 5991	Integrative Learning Experience Seminar	1			
[1,3]COPH 5992	Integrative Learning Experience Project	2			
	TITLE:				

MINIMUM TOTAL HOURS = 42

[1]*May not be taken concurrently with COPH 5989 Applied Practice Experience*

[2]*Students in the JD/MPH program may be able to count the same project for COPH 5989 Applied Practice Experience and Experiential Learning requirement if the project adheres to the requirements of both programs and is approved by their program advisor at each college.*

[3]*Students in the JD/MPH program may be able to count the same project for COPH 5992 and the Upper Level Writing and/or Policy and Perspectives requirement if the project adheres to the requirements of both programs and is approved by their program advisor at each college.*

MPH Concentration: Epidemiology		
Competency	Course	Assessment
1. Evaluate the appropriateness of epidemiologic study designs.	EPID 5322 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 5322 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 5322 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 5334 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 5573 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.