

**Fay W. Boozman College of Public Health**  
 Doctor of Philosophy in Health Systems and Services  
 Research

Advisee's Name

Student ID Number

Faculty Advisor

PLAGIARISM TRAINING	Completion Date
Certification Test	
WRITING MILESTONE	
Skills Certification	
IPE EXPOSURE (NOVICE)	
Exposure Workshop	
Transition (Exposure to Immersion)	
IPE IMMERSION (INTERMEDIATE)	
Quadruple Aim Project	
Simulation Activity	
IPE COMPETENCE (ADVANCED)	
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 Affairs at [cophoffice@uams.edu](mailto:cophoffice@uams.edu). The requirement must be completed by the first day of classes.

**Writing Milestone Requirement:** All degree-seeking students who enter the College of Public Health will be required to complete a Writing and Reasoning 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 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.

**IPE Curriculum**

**Requirement:** As of the Fall 2015 semester, 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 Affairs, the Associate Dean for Student and Alumni Affairs or visit our website:

<https://secure.uams.edu/cophstudent/student-handbook.aspx#ipe>.

**Quadruple AIM IPE Curriculum Framework**

**COPH – Doctoral Programs**

 <p><b>1 Exposure Workshop</b>  <b>Format/Event:</b> Onsite/Online workshop in August or Online in January.  <b>Timeline:</b> First 12 months of enrollment  <b>Course Association:</b> NA  <b>Notes:</b> Enroll 1st semester and complete by the 12th month of enrollment.</p>	 <p><b>2 Bridge Transition</b>  <b>Format/Event:</b> Exposure Bridge Transition. Any onsite event posted on the IPE website.  <b>Timeline:</b> First 12 months of enrollment  <b>Course Association:</b> NA  <b>Notes:</b> Enroll 1st semester and complete by the 12th month of enrollment. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity.</p>	 <p><b>3 Immersion Quadruple Aim Project (QAP) Workshop</b>  <b>Format/Event:</b> Quadruple Aim Project (QAP) Workshop. Any event posted on the IPE website.  <b>Timeline:</b> 12th—24th month of enrollment  <b>Course Association:</b> NA  <b>Notes:</b> Enroll 1st semester and complete by the 24th month of enrollment.</p>	 <p><b>4 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> NA  <b>Notes:</b> Enroll 1st semester and complete by 24th month of enrollment.</p>
 <p><b>5 Competence Workshop</b>  <b>Format/Event:</b> Competence Workshop  <b>Timeline:</b> During dissertation proposal defense  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your dissertation proposal defense. This activity should be completed as part of your dissertation proposal defense.</p>	 <p><b>6 Competence Practice Activity</b>  <b>Format/Event:</b> Onsite Competence Practice Activity  <b>Timeline:</b> During dissertation proposal defense  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your dissertation proposal defense. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity. This activity should be completed as part of your dissertation proposal defense.</p>	 <p><b>7 Competence Student Educator Activity</b>  <b>Format/Event:</b> Onsite Student Educator Activity  <b>Timeline:</b> During dissertation defense  <b>Course Association:</b> NA  <b>Notes:</b> Enroll the semester of your dissertation defense. Requirements include submitting a reflection and verification form into Blackboard within 7 days of activity. This activity should be completed as part of your dissertation defense.</p>	

 Office of Interprofessional Education

<b>REQUIRED PREREQUISITES (OR EQUIVALENTS) – 12 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
COPH 5003	Introduction to Public Health	3			
BIOS 6212	Biostatistics II	3			
EPID 5112	Epidemiology I	3			
HPMT 6104	Introduction to Health Economics	3			
<b>HSR THEORY AND APPLICATIONS (REQUIRED) – 18 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
HPMT 6103	Health Systems Theory and Research	3			
HPMT 6213	Variation in Health System Performance	3			
HPMT 6328	Healthcare Organizational Theory	3			
HPMT 6315	Advanced Methods for Quality & Health Outcomes Research	3			
HPMT 6114	Advanced Public Health Policy & Management	3			
HPMT 6319	Implementation Research in Clinical Practice Settings	3			
<b>RESEARCH METHODOLOGY – 13 Credit Hours</b> <b>NOTE: Can take either Advanced Econometric Methods or Applied Health Econometrics (but not both)</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
HPMT 6011	Mathematics & Statistics Primer	1			
HPMT 6313	Advanced Methods in Health Services Research	3			
BIOS 5324	Analyzing Health Surveys	3			
HPMT 6323	Advanced Econometric Methods and Special Topics	3			
PSGP 5122	Applied Health Econometrics	3			
HPMT 6303	Applied Research Methods Using Retrospective Data Sources	3			
<b>SELECTIVES – 15 Credit Hours</b> <b>NOTE: Can take either Racial and Ethnic Health Disparities or Social Determinants of Health (but not both)</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
HPMT 6317	Performance Measurement, Reporting & Incentives	3			
PSGP 5119	Pharmacoeconomics & Health Technology Assessment	3			
HPMT 6320	Advanced Health Economics I: Demand-side Economics	3			
HPMT 6321	Advanced Health Economics II: Supply of Health Services	3			
BIOS 5233	Statistical Methods for Clinical Trials	3			
EPID 6224	Clinical Epidemiology	3			
EPID 5573	Data Management and Programming for Epidemiologists	3			
COPH 6303	Community-Based Program Design	3			
COPH 6346	Social Determinants of Health/Social Epidemiology	3			
HPMT 6426	Racial and Ethnic Health Disparities	3			
EPID 6121	Principles & Practice of Public Health Surveillance	2			
NPHD 6102	Qualitative Methodology in Nursing Research	3			
NPHD 6108	Qualitative Data Analysis, Theory & Practicum	3			
HPMT 6263	Patient-Reported Outcomes Measurement	3			
HPMT 6243	Pharmaceutical Economics and Policy	3			
BMIG 5001	Information Modelling—From Data to Knowledge	3			
BMIG 5003	Computational Methods in Biomedical Informatics	3			
BMIG 5013	Health Information Systems	1			
BMIG 5103	Foundations of BMI: Population Health Information	2			
BMIG 6012	Data Systems and Data Warehousing	3			
BMIG 6013	Healthcare Informatics of Quality and Patient Safety	1			
HPMT 5334	Data Visualization for Healthcare Analytics	3			

<b>OTHER SELECTIVE (Approved by HSSR Program Director)</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
		3			
<b>SCHOLARSHIP SKILLS – 6 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
COPH 6437	Grantsmanship and the Peer Review Process	3			
COPH 6100	Directed Study (Doctoral)				
<b>COMP EXAMS</b>		<b>P/F</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
<b>DISSERTATION – 18 Credit Hours</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>
COPH 6999	Dissertation Research				

	<b>Date</b>
Qualifying exam passed	
Oral defense of dissertation proposal passed	
Oral defense of dissertation passed	

<b>SUBSTITUTIONS (Attach approval paperwork)</b>		<b>Credit Hours</b>	<b>Grade</b>	<b>Year</b>	<b>Semester</b>

MINIMUM TOTAL HOURS: 70

PhD in Health Systems and Services Research		
Competency	Course	Assessment
1. Assess how environmental context affects variation in health system outcomes.	HPMT 6213 Variation in Health System Performance	Writing Assignment: Students are asked to conduct a project that discusses and assesses how environmental context affects variation health system outcomes. The assignment is graded using a rubric shown on the course syllabus.
2. Create conceptual frameworks to guide health services research studies.	HPMT 6103 Health Systems Theory and Research	Written Assignment: Students are to develop and present in a paper a conceptual framework for a health services research topic that is based on what is known about the outcome, including factors or elements that directly or indirectly lead to it, that are described in scholarly literature. The assignment is graded based on criteria articulated on the course syllabus.
3. Evaluate HSR issues using appropriate analytical techniques.	HPMT 6323 Advanced Econometric Methods and Special Topics	Written Assignment: Students are to complete an applied class project to obtain and analyze data using econometric methods presented in class, as well as interpret and incorporate findings in a peer-review manuscript template following STROBE guidelines. Students are graded using a rubric that is included on the course syllabus.
4. Formulate and present a health services research study plan in a grant proposal.	COPH 6437 Grantsmanship and the Peer Review Process	Written Assignment: Students write a complete grant proposal using NIH grant guidelines that could be submitted for funding consideration. The assignment is graded using the 9-point scale used by NIH to evaluate grant applications.
5. Defend selection of policy solutions through multiple modalities for diverse audiences.	HPMT 6114 Advanced Public Health Policy & Management	Criteria Alternatives Matrix (CAM) Assignment. Students are to use the CAM approach to select a policy to address a health / public health problem. They must give a formal presentation (oral modality) with electronic and hardcopy slides (written and visual modalities) as well as submit a paper on their policy analysis project. The presentation and paper must describe the problem to be addressed, methods used including criteria used to evaluate policy alternatives (solutions), the policy alternatives that were considered, principle findings, and implications for policy adoption. The assignment is graded based on criteria listed in the course syllabus.