

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

Program Director: Jure Baloh
JBaloh@uams.edu

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

Requirement	Completion Date
Academic Integrity Training	
Writing Milestone	
IPE Curriculum	

Academic Integrity Training Requirement: All students in the CPH 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 CPH 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 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 CPH 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 the UAMS IPE website. Requirement approval date: 2015

HSR THEORY AND APPLICATIONS (REQUIRED) – 21 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 50033	Introduction to Public Health ^[1]	3			
PBHL 64381	Fundamentals of Research	1			
HPMT 61033	Health Systems Theory and Research	2			
HPMT 51053	Introduction to Health Economics	3			
HPMT 62133	Variation in Health System Performance	3			
HPMT 63153	Advanced Methods for Quality & Health Outcomes	3			
HPMT 61143	Advanced Health Policy & Management	3			
HPMT 63193	Implementation Research in Clinical Practice	3			

^[1] See Knowledge Credit for Public Health policy in the CPH Student Handbook.

RESEARCH METHODOLOGY – 9 Credit Hours		Credit Hours	Grade	Year	Semester
HPMT 63133	Advanced Methods in Health Services Research	3			
HPMT 53363	Data Mining in Healthcare	3			
HPMT 63243	Advanced Econometric Methods and Special Topics	3			

SELECTIVES – 18 Credit Hours		Credit Hours	Grade	Year	Semester
HPMT 53353	Data Visualization for Healthcare Analytics	3			
HPMT 53373	Data Quality Management	3			
HPMT 54483	Social Network Analysis	3			
HPMT 53383	Introduction to Natural Language Processing	3			
HPMT 63173	Performance Measurement, Reporting & Incentives	3			
HPMT 63203	Advanced Health Economics	3			

HPMT 63303	Advanced Topics in Implementation Science	3			
HPMT 63293	Health Care & Organizational Theory	3			
BIOS 53243	Analyzing Health Surveys	3			
BIOS 62133	Biostatistics II	3			
BIOS 62233	Biostatistics III	3			
BIOS 62153	Categorical Data Analysis	3			
BMIG 50103	Information Modelling—From Data to Knowledge	3			
BMIG 50303	Computational Methods in Biomedical Informatics	3			
BMIG 60103	Database Systems and Data Warehousing	3			
ENVH 64103	Geographic Information Systems in Public Health	3			
EPID 62243	Clinical Trials	3			
EPID 55733	Data Management and Programming for Epidemiologists	3			
EPID 61202	Principles & Practice of Public Health Surveillance	3			
HBHE 61203	Introduction to Mixed Methods Research	3			
HBHE 64263	Disparities in Healthcare Access ^[2]	3			
NURS 61033	Qualitative Research Methodology	3			
NURS 61083	Qualitative Data Analysis, Theory & Practicum	3			
PBHL 63033	Community-Based Program Design	3			
PBHL 63463	Social Determinants of Health ^[2]	3			
PSCI 51193	Applied Research Methods Using Retrospective Data Sources	3			
PSCI 51203	Pharmacoeconomics & Health Technology Assessment	3			
PSCI 51263	Patient-Reported Outcomes Measurement	3			
PSCI 51233	Pharmaceutical Economics and Policy Evaluation	3			
OTHER SELECTIVE (Approved by HSSR Program Director) ^[3]		Credit Hours	Grade	Year	Semester
		3			

^[2] Student can take either Disparities in Healthcare Access or Social Determinants of Health (but not both).

^[3] Other selectives are included in the 18 Credit Total required for the Selectives section.

SCHOLARSHIP SKILLS – 6 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL64373	Grant Writing	3			
PBHL 6100V	Directed Study (Doctoral)				

DISSERTATION – 18 Credit Hours		Credit Hours	Grade	Year	Semester
PBHL 6999V	Dissertation Research				

MILESTONES	Date
Qualifying (comprehensive) exam passed	
Oral defense of dissertation proposal passed	
Oral defense of dissertation passed	

SUBSTITUTIONS (Attach approval paperwork)		Credit Hours	Grade	Year	Semester

MINIMUM TOTAL HOURS: 72

PhD in Health Systems and Services Research Competencies		
Competency	Course	Assessment
1. Assess how environmental context affects variation in health system outcomes.	HPMT 62133 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 61033 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 63243 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.	PBHL 64373 Grant Writing	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 61143 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.