

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

Program Director: Dr. J. Mick Tilford, TilfordMickJ@uams.edu

| Advisee's Name | Student ID Number | Faculty Advisor |
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| | Completion Date |
|------------------------------------|-----------------|
| ACADEMIC INTEGRITY TRAINING | |
| Certification Test | |
| WRITING | |
| Skills Certification | |
| IPE | |
| Exposure Workshop | |
| Bridge Transition | |

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 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 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 HEALTH SYSTEMS AND SERVICES RESEARCH | |
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| <p>1. IPE IPEC 1101 (001) EXPOSURE WORKSHOP Format/Event: Online/Distance Learner “Interprofessional Collaboration: Theory and Application at UAMS”. Timeline: Prior to 1st day of class in 1st semester. Course Association: NA Notes: Enroll 1st semester. Requirements include submitting a verification/completion form into Blackboard within 7 days of activity.</p> | <p>2. IPE IPEC 1201 (001) EXPOSURE BRIDGE TRANSITION Format/Event: Online/Distance Learner “Interprofessional Collaboration: Theory and Application at UAMS”. Timeline: Prior to 1st day of class in 1st semester. Course Association: IPE IPEC 1201-100 Notes: Enroll 1st semester. Requirements include submitting a reflection form into Blackboard within 7 days of activity.</p> |
| <p>IPE CURRICULUM 01/23/2023 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> | |

| REQUIRED PREREQUISITES (OR EQUIVALENTS) – 12 Credit Hours | | Credit | Grade | Year | Semester |
|--|---|---------------|--------------|-------------|-----------------|
| PBHL 50033 | Introduction to Public Health | 3 | | | |
| BIOS 62133 | Biostatistics II | 3 | | | |
| EPID 51103 | Epidemiology I | 3 | | | |
| HPMT 6104 | Introduction to Health Economics | 3 | | | |
| HSR THEORY AND APPLICATIONS (REQUIRED) – 18 Credit Hours | | Credit | Grade | Year | Semester |
| HPMT 61033 | Health Systems Theory and Research | 3 | | | |
| HPMT 62133 | Variation in Health System Performance | 3 | | | |
| HPMT 63293 | Healthcare Organizational Theory | 3 | | | |
| HPMT 63153 | Advanced Methods for Quality & Health Outcomes Research | 3 | | | |
| HPMT 61143 | Advanced Public Health Policy & Management | 3 | | | |
| HPMT 63193 | Implementation Research in Clinical Practice Settings | 3 | | | |
| RESEARCH METHODOLOGY – 13 Credit Hours | | Credit | Grade | Year | Semester |
| NOTE: Can take either Advanced Econometric Methods or Applied Health Econometrics | | | | | |
| HPMT 60131 | Mathematics & Statistics Primer | 1 | | | |
| HPMT 63133 | Advanced Methods in Health Services Research | 3 | | | |
| BIOS 53243 | Analyzing Health Surveys | 3 | | | |
| HPMT 63243 | Advanced Econometric Methods and Special Topics | 3 | | | |
| PSGP 51253 | Applied Health Econometrics | 3 | | | |
| HPMT 6303 | Applied Research Methods Using Retrospective Data Sources | 3 | | | |
| SELECTIVES – 15 Credit Hours | | Credit | Grade | Year | Semester |
| NOTE: Can take either Racial and Ethnic Health Disparities or Social Determinants of Health | | | | | |
| HPMT 63173 | Performance Measurement, Reporting & Incentives | 3 | | | |
| PSGP 51203 | Pharmacoeconomics & Health Technology Assessment | 3 | | | |
| HPMT 63203 | Advanced Health Economics I: Demand for Health | 3 | | | |
| HPMT 63233 | Advanced Health Economics II: Supply for Health | 3 | | | |
| BIOS 52333 | Statistical Methods for Clinical Trials | 3 | | | |
| EPID 62243 | Clinical Trials | 3 | | | |
| EPID 55733 | Data Management and Programming for Epidemiologists | 3 | | | |
| PBHL 63033 | Community-Based Program Design | 3 | | | |
| PBHL 63463 | Social Determinants of Health | 3 | | | |
| HPMT 64263 | Racial and Ethnic Health Disparities | 3 | | | |
| EPID 61202 | Principles & Practice of Public Health Surveillance | 2 | | | |
| NPHD 61033 | Qualitative Research Methodology | 3 | | | |
| NPHD 61083 | Qualitative Data Analysis, Theory & Practicum | 3 | | | |
| HPMT 6263 | Patient-Reported Outcomes Measurement | 3 | | | |
| HPMT 6243 | Pharmaceutical Economics and Policy | 3 | | | |
| BMIG 50103 | Information Modelling—From Data to Knowledge | 3 | | | |
| BMIG 50303 | Computational Methods in Biomedical Informatics | 3 | | | |
| BMIG 50501 | Health Information Systems | 1 | | | |
| BMIG 51202 | Foundations of BMI: Population Health Information | 2 | | | |
| BMIG 60103 | Data Systems and Data Warehousing | 3 | | | |
| BMIG 60201 | Healthcare Informatics of Quality and Patient Safety | 1 | | | |
| HPMT 53353 | Data Visualization for Healthcare Analytics | 3 | | | |
| OTHER SELECTIVE (Approved by HSSR Program Director) | | Credit | Grade | Year | Semester |
| | | 3 | | | |
| SCHOLARSHIP SKILLS – 6 Credit Hours | | Credit | Grade | Year | Semester |
| PBHL 64373 | Grant Writing | 3 | | | |
| PBHL 6100V | Directed Study (Doctoral) | | | | |
| COMP EXAMS | | P/F | Grade | Year | Semester |
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| DISSERTATION – 18 Credit Hours | | Credit Hours | Grade | Year | Semester |
|---------------------------------------|-----------------------|---------------------|--------------|-------------|-----------------|
| PBHL 6999V | Dissertation Research | | | | |

| | Date |
|--|-------------|
| Qualifying exam passed | |
| Oral defense of dissertation proposal passed | |
| Oral defense of dissertation passed | |

| SUBSTITUTIONS (Attach approval paperwork) | | Credit Hours | Grade | Year | Semester |
|--|--|---------------------|--------------|-------------|-----------------|
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MINIMUM TOTAL HOURS: 70

| PhD in Health Systems and Services Research | | |
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| 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. |