

MSPH in Epidemiology competencies

| Competencies/Learning Outcomes | PH Core | Department Core | | | | | | | | Major Courses | | Thesis |
|---|----------|-----------------|----------|----------|----------|-----------------|-------------------|----------|----------|---------------|----------|-----------------|
| | PUBH 700 | BIOS 701 | EPID 701 | BIOS 757 | EPID 741 | EPID 745 (Fall) | EPID 745 (Spring) | BIOS 745 | BIOS 710 | BIOS 754 | EPID 758 | EPID 799 Thesis |
| Goal 1. LO1. Students will demonstrate the ability to calculate and interpret measures of association. | | | P | | P | R | R | R | | R | R | P |
| Goal 1. LO2. Students will differentiate between various study designs. | | R | P | R | P | R | R | R | | | R | P |
| Goal 2. LO1. Students will describe the roles of history, power, privilege and structural inequality in producing health disparities. | R | | | | | | | | | | P | |
| Goal 2. LO2. Students will explain how the findings of a program evaluation can be used. | R | | | | | | | | | | P | |
| Goal 2. LO3. Students will explain how individuals, social networks, organizations, and communities may be viewed as systems in the analysis of public health problems. | R | | | | | R | | | | | P | |
| Goal 2. LO4. Students will understand basic ethical principles pertaining to public health research and practice. | R | | | | | | R | | | | P | R |
| Goal 3. LO1. Students will demonstrate their research capabilities by designing a research project which is presented orally in class. | | | | | P | | R | R | | | | P |
| Goal 4. LO1. Students will create and manipulate datasets and analyze data using appropriate statistical methods and software packages. | | R | | R | P | | | R | P | | | P |
| Goal 4. LO2. Students will demonstrate proficiency in creating tables and reports using appropriate software packages. | | | | | P | | R | R | P | | | P |
| Goal 4. LO3. Students will correctly interpret results from statistical analyses. | | P | | R | P | | | R | | R | | P |

P = Courses in which competencies are primarily gained; R = Courses in which competencies are reinforced