<table>
<thead>
<tr>
<th>Competency</th>
<th>Course number(s) and name(s)</th>
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| 1. Articulate appropriate methods and data sources to investigate the interdependency and interconnectedness of humans, animals, and the environment in health and disease development. | EPI 679 One Health Applications and Practice  
EHS 502 Environmental Monitoring and Analysis  
EPI 606 Changing Global Health Policy through Cultural Understanding and Epidemiological Analysis  
EPI 660 Infectious Disease Epidemiology  
EHS 604 Modeling Exposures to Environmental Hazards  
EHS 603 Applied Analysis of Environmental Data                                                                                                           |
| 2. Develop strategies to address One Health challenges by engaging researchers across multiple disciplines and stakeholders with diverse perspectives, motivations, and economic incentives. | EPI 679 One Health Applications and Practice  
EHS 525 Global to Local: Environmental Change and Human Health                                                                                                                                                           |
| 3. Identify and implement appropriate methods to integrate and analyze data on animals, humans, and the environment to identify and quantify One Health problems and/or evaluate solutions. | EHS 502 Environmental Monitoring and Analysis  
EPI 679 One Health Applications and Practice  
EHS 518 Introduction to Quantitative Human Health Risk Assessment  
EPI 606 Changing Global Health Policy through Cultural Understanding and Epidemiological Analysis  
EHS 604 Modeling Exposures to Environmental Hazards  
EHS 603 Applied Analysis of Environmental Data                                                                                                           |
| 4. Describe sentinel events in humans, animals, and the environment for detection of hazardous exposures and prevention of long-term negative effects. | EPI 676 Spatial Epidemiology  
EHS 502 Environmental Monitoring and Analysis  
EHS 539A Outbreaks and Environmental Microbiology: Then to Now  
EPI 596D Public Health Experience – Student Epidemiology Response Team (SAFER)  
EHS 518 Introduction to Quantitative Human Health Risk Assessment  
EPI 660 Infectious Disease Epidemiology                                                                                                                      |
| 5. Identify ecosystem changes and impacts that affect human, animal and planetary health | EHS 539A Outbreaks and Environmental Microbiology: Then to Now  
EPID 679 One Health Applications and Practice  
EPID 660 Infectious Disease Epidemiology  
EPID 606 Changing Global Health Policy through Cultural Understanding and Epidemiological Analysis  
EHS 525 Global to Local: Environmental Change and Human Health  
HPS 534 Infectious Diseases, Global Health and Development |