

**PhD in Public Health Curriculum: Environmental Health and One Health Concentrations**  
**Effective School Year 2022-2023**

| CODE  | COURSE DESCRIPTION  | CREDITS         |                 |
|---|---|-----------------|-----------------|
| <b>Public Health Core Courses: 33 credits</b>   |   |                 |                 |
|   |   | <b>EHC</b>      | <b>OHC</b>      |
| <b>Core Courses</b>                             |   | <b>21</b>       | <b>21</b>       |
| <b>1<sup>ST</sup> Trimester Courses</b>         |   |                 |                 |
| PHDPH 711                                       | Research Methods and Statistics                               | 3               | 3               |
| PHDPH 712                                       | Principles of Epidemiology in Public Health                   | 3               | 3               |
| PHDPH 713                                       | International Health Care System                              | 3               | 3               |
| <b>2<sup>nd</sup> Trimester</b>                 |   |                 |                 |
| PHDPH 721                                       | Psychological, Behavioral, and Social Issues in Public Health | 3               | 3               |
| <b>PHDPH 722</b>                                | Environmental Health Concepts in Public Health                | 3               | 3               |
| <b>Quantitative Courses: 6 credits</b>          |   |                 |                 |
| PHDPH 723                                       | Regression Methods for the Health and Life Sciences           | 3               | 3               |
| <b>3<sup>rd</sup> Trimester</b>                 |   |                 |                 |
| PHDPH 731                                       | Public Health Research Methods                                | 3               | 3               |
| <b>Quantitative Electives (Choose 2)</b>        |   | <b>6</b>        | <b>6</b>        |
| PHDPH 732                                       | Survey Research/Instrument Development Methods                | 3               | 3               |
| PHDPH 733                                       | Applied Survival Analysis                                     | 3               | 3               |
| PHDPH 734                                       | Stochastic Epidemic Modeling                                  | 3               | 3               |
| PHDPH 735                                       | Epidemiological Methods                                       | 3               | 3               |
| <b>4<sup>th</sup> Trimester</b>                 |   |                 |                 |
| <b>Foundational Research</b>                    |   | <b>12</b>       | <b>12</b>       |
| PHDPH 741                                       | Public Health Journal Club                                    | 3               | 3               |
| PHDPH 742                                       | Ethics in Population Science                                  | 3               | 3               |
| PHDPH 743                                       | Population Health Research                                    | 3               | 3               |
| <b>5<sup>th</sup> Trimester</b>                 |   |                 |                 |
| PHDPH 751                                       | Finding Health Research Information and Communicating Science | 3               | 3               |
| <b>Public Health Concentration Core Courses</b> |   | <b>21</b>       | <b>21</b>       |
| PHDPHEHC 752                                    | Environmental Monitoring and Exposure Assessment              | 3               |                 |
| PHDPHEHC 753                                    | Mechanisms of Environmental Disease                           | 3               |                 |
| PHDPHOHC 754                                    | Emerging Infectious Diseases                                  |                 | 3               |
| PHDPHOHC 755                                    | Global Health and Development                                 |                 | 3               |
| <b>6<sup>th</sup> Trimester</b>                 |   |                 |                 |
| PHDPHEHC 762                                    | Environmental Policy and Risk Management                      | 3               |                 |
| PHDPHEHC 761                                    | Quantitative Assessment of Environmental Health Impacts       | 3               |                 |
| PHDPHEHC/OHC 762                                | Aquatic Systems and Environmental Health                      | 3               | 3               |
| PHDPHOHC 763                                    | Environmental Ecology of Human Pathogens                      |                 | 3               |
| PHDPHOHC 764                                    | Entomology Applications in One Health                         |                 | 3               |
| <b>7<sup>th</sup> Trimester</b>                 |   |                 |                 |
| PHDPHEHC/OHC 771                                | Environmental Toxicology Applications in PH                   | 3               | 3               |
| PHDPHEHC/OHC 772                                | Scientific Communications                                     | 3               | 3               |
| <b>Comprehensive Examination</b>                |   |                 |                 |
| <b>DW 1</b>                                     | Dissertation Writing 1  | <b>3</b>        | <b>3</b>        |
| <b>DW 2</b>                                     | Dissertation Writing 2  | <b>3</b>        | <b>3</b>        |
| <b>TOTAL</b>                                    |   | <b>65 UNITS</b> | <b>65 UNITS</b> |