

One Health Area of Emphasis Electives

These courses **can** be completed in addition to the minimum requirements for the [PhD](#), [MS Thesis](#), [MS Applied](#) or [MPH](#) in Environmental Health Sciences. Areas of Emphasis are not transcribed.

Students will attain these competencies by completing the electives below:

- Describe the benefits and challenges of a multidisciplinary, integrative approach when implementing studies regarding health concerns at the human-animal-ecosystem interface
- Assess zoonotic diseases and other exposures (including toxic and infectious) using a comparative, species spanning approach including animal sentinel and natural animal model concepts
- Describe an integrated approach to prevention that incorporates human, animal, and environmental perspectives in a systems framework
- Explain the ECOHAB set of connections between human, animal, and environmental health
- Apply the COHERE guidelines to critically appraise One Health Studies

See DEOHS Courses Page for Recent Syllabi <https://deohs.washington.edu/course-information>

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<i>Complete these courses:</i>	
ENV H 539 One Health: Human and Animal Health in a Changing Environment (Winter)	3
ENV H 586 Current Issues in Occupational Health at the Human and Animal Interface (Spring)	2
<i>Choose a minimum of 6 credits from the courses below:</i>	
ENV H 509 Microbiome and Environmental Health (Spring)	3
ENV H 544 Antibiotic Resistant Bacteria/Genes Impact on the Environment & Public Health (Autumn)	4
ENV H 547 Environmental Change and Infectious Disease (Spring)	3
ENV H 551 Ecology of Environmentally Transmitted Microbiological Hazards (Winter)	4
ENV H 552 Detection & Control of Environmentally Transmitted Microbiological Hazards (Spring)	3
ENV H 564 (<i>Recognition of Health and Safety Problems in Industry</i> , Autumn)	2
ENV H 565 Geographic Information Systems (GIS) in Public Health (Autumn)	3

*** This list does not show courses which may be required by your funding from a training grant, such as the [Northwest Center for Occupational Health and Safety \(NWCOS\) Education and Research Center \(ERC\)](#). Please confirm which courses are required for your funding with the Training Grant Manager.**