

Occupational Hygiene and Exposure Science 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:

- Develop comprehensive solutions to control health hazards associated with workplace exposures
- Design and implement effective exposure assessment strategies to assess the variability and magnitude of workplace exposures
- Demonstrate the use and limitations of accepted sampling and analysis methods for workplace hazards and use of quality control measures for exposure assessments in the workplace
- Explain the effects on the human body of exposures encountered in workplace settings
- Determine potential health hazards associated with processes, industries, and agents using observation skills and reviewing appropriate standards and literature in order to anticipate worker exposure and potential health risks
- Recognize and consider how ethical, social, structural, and cultural issues impact worker health
- Summarize exposure assessment data and communicate results and recommendations to diverse audiences.

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

<i>complete these courses:</i>	
ENV H 550 Occupational and Environmental Disease (Spring)	3
ENV H 553 Environmental Exposure Monitoring Methods (Winter)	4
ENV H 555 Instrumental Methods for Industrial Hygiene Measurement: Laboratory (Spring)	3
ENV H 556 Quantitative Exposure Assessment (Autumn)	4
ENV H 557 Exposure Controls (Winter)	3-4
ENV H 560 Occupational Safety Management (Winter)	4
ENV H 562 Technical Aspects of Occupational Safety (Spring)	3
ENV H 563 Health and Safety of Physical Agents in the Workplace (Spring)	3
ENV H 564 Recognition of Health and Safety Problems in Industry (Autumn)	2

*** 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.**