

PHLT 1513 - Introduction to Environmental Health and Safety

Fall 2026 Syllabus, Section A01, CRN 41284,

Credit hours: 3

Instructor

Leonard Perry

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Public Instructor Information

Adjunct Professor: Len Perry

Professional Qualifications

Ph. D., Health Sciences, Youngstown State University (2024)

Masters of Public Health, AT Still School of Health Management (2011)

Bachelor's, Biological Sciences, Youngstown State University (1971)

Certified in Public Health (CPH), National Board of Public Health Examiners

Registered Environmental Health Specialist (REHS), National Environmental Health Association

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Student Support Hours: Virtually or via phone as pre-arranged by email

Communication Expectation: As required by student

You can just call me Len

Course Description

1513. Introduction to Environmental Health and Safety. Provides an introduction to and overview of the key areas of environmental health, one of the core areas of public health. Using the perspectives of the population and community, the course will cover factors associated with the development of environmental health problems. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Essentials of Environmental Health	Robert H. Friis	9781284123975

To enhance your learning experience and provide discounted access to the right course material, your course is part of an inclusive access model called First Day®. You can easily access the digital materials for your course right from Blackboard.

YSU will bill you at the discounted price as a course charge for this course.

You have the option to opt-out of this program in the LMS. However, please be advised it is NOT recommended that you Opt-Out, as these materials are required to complete the course. If you choose to opt out, you will be responsible for purchasing your course materials at the normal retail.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1-Introduction: The Environment at Risk & Chapter 2-Environmental Epidemiology & Chapter 3- Environmental Toxicology Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019 Stanford Report- Wildfire smoke exposure during pregnancy increases preterm birth risk, Stanford study finds Garthwaite, J. (2021, August 23). Wildfire smoke exposure during pregnancy increases preterm birth risk, Stanford study finds. Stanford Report.	Environmental Risk, Epidemiology, and Toxicology	Discussion- Environmental Health Reflections Assignment- Examining John Snow's Impact on Epidemiology Quiz- Chapter 1 Quiz- Chapter 2 Quiz- Chapter 3 All assessments are due on Sunday by 11:59pm EST
8/31	Chapter 4- Environmental Policy and Regulation & Chapter 5- Zoonotic and Vector-Borne Diseases & Chapter 6- Toxic Metals and Elements Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019 The Lancet Planetary Health: Community-serving research addressing climate change impacts on vector-borne diseases Chaves, L. F., Friberg, M. D., Pascual, M., Calzada, J. E., Luckhart, S., & Bergmann, L. R. (2024). Community-serving research addressing climate change impacts on vector-borne diseases. The Lancet Planetary Health, 8(5). https://doi.org/10.1016/s2542-5196(24)00049-4	Planetary Perils: Navigating Nature's Risks and Human Responses	Discussion- Bugs, Bats, and Beyond: Controlling Disease Spread Assignment- Societal Uses, Health Implications, and Environmental Safeguards Quiz- Chapter 4 Quiz- Chapter 5 Quiz- Chapter 6 All assessments are due on Sunday by 11:59pm EST
9/7	Chapter 7- Pesticides and Other Chemicals Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019	Pesticides, Chemicals, and Midterm Insights	Discussion- DDT: A Double-Edged Sword in Public Health and the Environment Quiz- Chapter 7 Exam-Midterm Exam All assessments are due on Sunday by 11:59pm EST
9/14	Chapter 8- Ionizing and Nonionizing Radiation & Chapter 9- Water Quality Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019	From Rays to Rivers: Exploring Radiation and Water Quality	Discussion- Water Quality and Public Health: Understanding the Risks and Protections Assignment- Nuclear Catastrophes: Impacts, Responses, and Policy Shifts Quiz- Chapter 8 Quiz- Chapter 9 All Assessments are due on Sunday by 11:59pm EST
9/21	Chapter 10- Air Quality & Chapter 12- Solid and Liquid Wastes Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019	Clearing the Air, Cleaning the Earth: A Look at Waste and Air Quality	Discussion- Solid Waste Management: Risks, Responsibilities, and Real-World Lessons Assignment- Invisible Hazards: Understanding and Improving Indoor Air Quality Quiz- Chapter 10 Quiz- Chapter 12 All Assessments are due on Sunday by 11:59pm EST
9/28	Chapter 11-Food Safety & Chapter 13- Occupational Health Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019	Hazards on the Job and on the Table: Foundations of Food and Occupational Health	Discussion- Workplace Hazards: Then and Now Assignment- Uncovering the Source: A Case Study in Foodborne Illness Prevention Quiz- Chapter 11 Quiz- Chapter 13 All assessments are due on Sunday by 11:59pm EST

10/5	Chapter 14- Injuries with a Focus on Unintentional Injuries and Deaths Robert H. Friis, Essentials of Environmental Health, Third Edition, Jones & Bartlett Learning, 2019	From Accidents to Action: Unintentional Injuries and Final Evaluation	Assignment- Understanding and Preventing Unintentional Injuries Quiz- Chapter 14 Exam- Final Exam All work must be turned in on the DUE DATE. NO LATE SUBMISSIONS PERMITTED THIS FINAL WEEK.
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The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.