

ENVIRONMENTAL INFECTIOUS DISEASES (MS)

FACULTY:

Craig Hedberg, PhD, MS; Bruce Alexander, PhD; Jeffrey Bender, DVM; Jonathan Oliver, PhD; Michael Osterholm, PhD; Michael Osterholm, PhD; William Toscano, PhD

ADJUNCT FACULTY:

Randall Singer, DVM, PhD; Kirk Smith, DVM, PhD; Scott Wells, DVM, PhD; Carlota Medus, PhD, MPH

GENERAL REQUIREMENTS (ONLINE OPTIONS AVAILABLE)

PUBH 6341 Epidemiologic Methods I (3 cr., any term)

PUBH 6450 Biostatistics I (4 cr., any term)

PUBH 6742 Ethics in Public Health Professional Practice and Policy (1 cr., any term)

DIVISION CORE COURSES

PUBH 6102 Issues in Environmental and Occupational Health (2 cr., fall)

PUBH 6100 Topics in Environmental Health (4 cr., spring)

CONCENTRATION COURSE REQUIREMENTS

PUBH 6100 Topics: Environmental Public Health Biology (2cr. spring)

PUBH 6100 Topics: Environmental Public Health Entomology (2 cr fall)

PUBH 6181 Surveillance of Foodborne Diseases and Food Safety Hazards (2 cr., fall)

PUBH 6182 Emerging Infectious Diseases (3 cr., spring)

PUBH 6385 Epidemiology of Infectious Diseases (2 cr., spring)

PUBH 6451 Biostatistics II (4 cr, spring)

VMED 5180 Ecology of Infectious Diseases (3 cr., fall)

PUBH 7194 Culminating Experience/Masters Project

ELECTIVES

Selected in consultation with advisor.

TOTAL CREDITS: 30 MINIMUM

CONTACT INFORMATION

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RECOMMENDED ELECTIVES

FALL

- CEGE 5551** Environmental Microbiology (3 cr)
- CEGE 5552** Environmental Microbiology Lab (1 cr)
- ENT 5275** Medical Entomology (3 cr)
- MICB 4111** Microbial Physiology and Diversity (3 cr)
- PUBH 5231** Emergency Preparedness: A Public Health Perspective (2 cr)
- PUBH 6132** Air, Water and Health (2 cr)
- PUBH 6134** Sustainable Development and Global Public Health (2 cr)
- PUBH 6355** Pathophysiology of Human Disease (4 cr)
- VMED 5180** Ecology of Infectious Disease (3 cr)

SPRING

- AGRO 5321** Ecology of Agricultural Systems (3 cr)
- MICB 4151** Molecular and Genetic Basis for Microbial Disease (3 cr)
- MICB 4171** Biology, Genetics, and Pathogenesis of Viruses (3 cr)
- PUBH 6451** Biostatistics II (4 cr)
- PUBH 6112** Environmental Health Risk Assessment: Application to Human Health Risks from Exposure to Chemicals (2 cr)
- PUBH 6154** Climate Change and Global Health (3 cr)
- PUBH 6183** Theory and Practice of Outbreak Investigation (1 cr)
- PUBH 6342** Epidemiologic Methods II (3 cr)
- VMED 5181** Spatial Analysis of Infectious Disease Epidemiology (3 cr)
- VMED 5420** Molecular Epidemiology of Infectious Diseases (3 cr)

MAY TERM - PUBLIC HEALTH INSTITUTE

- PUBH 6711** Public Health Law (2 cr)
- PUBH 7214** Principles of Risk Communication (1 cr)

The Public Health Institute (PHI) catalog changes annually. There are many options available.