Environmental and Occupational Epidemiology PhD Specialty Program

Faculty:
Bruce Alexander, PhD, Tim Church, PhD, MS, Susan Gerberich, Phd, MS, Craig Hedberg, PhD, MS, Jeff Mandel, M.D., MPH, George Maldonado, PhD, MS

General Requirements:
PubH 6341 Epidemiologic Methods I (3 cr)
PubH 6450 Biostatistics I (4 cr)
PubH 6742 Ethics in Public Health Research and Policy (1 cr)  *(This course will meet the research ethics training obligation for students working as Research Assistants.)*

Division Core Courses:
PubH 6103 Exposure to Environmental Hazards (2 cr)
PubH 6104 Environmental Health Effects: Introduction to Toxicology (2 cr)
PubH 6105 Environmental and Occupational Health Policy (2 cr)

Specialty Program Course Requirements:
PubH 6140 Environmental and Occupational Epidemiology (2 cr)
PubH 6342 Epidemiologic Methods II (3 cr)
PubH 6451 Biostatistics II (4 cr)
PubH 8140 Validity Concepts in Epidemiologic Research (2 cr)
PubH 8141 Doctoral seminar in Observational Inference (2 cr)
PubH 8142 Epidemiologic Uncertainty Analysis (2 cr)
PubH 8888 Dissertation (24 cr)

TOTAL CREDITS: 54-61 required *(plus electives in consultation with advisor)*

Proposed Electives:
PubH 6120 Injury Prevention in the Workplace, Community and Home (2 cr)
PubH 6121 Topics: Injury Prevention in the Workplace, Community and Home (2 cr)
PubH 6122 Seminar: Safety in the Workplace (1 cr)
PubH 6130 Occupational Medicine: Principles and Practice (2 or 3 cr)
Proposed Electives (cont.):
PubH 6150 Interdisciplinary Evaluation of Occupational Health & Safety Field Problems (3 cr)
PubH 6170 Introduction to Occupational Health and Safety (2 or 3 cr)
PubH 6173 Hazard Related Exposure to Physical Agents in the Environment (4 cr)
PubH 6181 Surveillance of Foodborne Disease and Food Safety Hazards (2 cr)
PubH 6343 Epidemiologic Methods (4 cr)
PubH 6355 Pathophysiology of Human Diseases (4 cr)
PubH 6380 Ecology of Infectious Diseases (3 cr)
PubH 6381 Genetics in Public Health (2 cr)
PubH 6385 Epidemiology and Control of Infectious Diseases (2 cr)
PubH 6387 Cancer Epidemiology (2 cr)
PubH 6806 Public Health Research (2 cr)
PubH 7400 Biostatistical Modeling and Methods (4 cr)
PubH 7430 Methods for Correlated Data (3 cr)
PubH 7435 Latent Variable Modeling (3 cr)
PubH 7460 Advanced Statistical Computing (3 cr)
PubH 8120 Occupational Injury Prevention Research Training Program Research Seminar

Credits are listed in ( ).