Environmental Health Sciences
University of Minnesota - School of Public Health

Environmental and Occupational Epidemiology
MPH 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 6020 Fundamentals of Social and Behavioral Science (3 cr)
PubH 6341 Epidemiologic Methods I (3 cr)
PubH 6450 Biostatistics I (4 cr)
PubH 6741 Ethics in Public Health Professional Practice and Policy (1 cr) or 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.)*
PubH 6751 Principles of Management in Health Services Organizations (2 cr)

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)
PubH 7194 Environmental Health Masters Project (3-5 cr)
PubH 7196 Field Experience in Environmental Health (3-5 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)

Electives (in consultation with advisor)

TOTAL CREDITS: 42 required minimum credits
Proposed Electives:
PubH 6150 Interdisciplinary Evaluation of Occupational Health & Safety Field Problems (3 cr)
PubH 6160 Systems Toxicology (3 cr)
PubH 6170 Introduction to Occupational Health and Safety (2 or 3 cr)
PubH 6181 Surveillance of Food Borne Diseases and Food Safety Hazards (2 cr)
PubH 6182 Emerging Infectious Disease: Current Issues, Policies, and Controversies (3 cr)
PubH 6192 Measurement and Properties of Air Contaminants (2 cr)
PubH 6193 Advanced Topics in Human Exposure Science (2 cr)
PubH 6343 Epidemiology III (4 cr)
PubH 6355 Pathophysiology of Human Disease (4 cr)
PubH 6381 Genetics in Public Health (2 cr)
PubH 6385 Epidemiology and Control of Infectious Disease (2 cr)
PubH 6386 Public Health Aspects of Cardiovascular Disease (2 cr)
PubH 6387 Cancer Epidemiology (2 cr)
PubH 7210 Global Food Systems (0.5, Public Health Institute)
PubH 7401 Fundamentals of Biostatistical Inference (4 cr)
PubH 7402 Biostatistical Modeling and Methods (4 cr)
PubH 7407 Analysis of Categorical Data (3 cr)
PubH 8140 Validity Concepts in Epidemiologic Research (2 cr)
PubH 8142 Epidemiologic Uncertainty Analysis (2 cr)
VMed 5180 Ecology of Infectious Disease (3 cr)
VMed 8090 Epidemiology of Zoonoses and Diseases Common to Animals and Humans (3 cr)

Credits are listed in ( ).