Injury and Violence Epidemiology and Prevention (MPH)

Faculty:
Bruce Alexander, PhD, Timothy Church, PhD, MS, Susan Gerberich, Phd, MS, Hyun Kim, ScD, George Maldonado, PhD, MS, Marizen Ramirez, PhD, MS, Andrew Ryan, MS

General Requirements: *(online options available)* (any term)
- PubH 6250 Foundations of Public Health 2 cr.
- PubH 6020 Fundamentals of Social and Behavioral Science 2 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.
- PubH 6751 Principles of Management in Health Services Organizations 2 cr.

Division Core Courses:
- PubH 6102 Issues in Environmental Health 2 cr (fall)
- PubH 6109 Society, Politics and Policy 4 cr (spring)
- PubH 7194 Integrative Learning Experience (ILE) 1-5 cr (any term)
- PubH 7196 Applied Practicum Experience (APEx) 1-5 cr (any term)

Concentration Course Requirements:
- PubH 6120 Injury Prevention in the Workplace, Community and Home 2 cr (spring)
- PubH 6123 Violence Prevention and Control: Theory, Research & Application 2 cr (spring)
- PubH 6342 Epidemiologic Methods II 3 cr (spring)
- PubH 8120 Occupational Injury Prevention Research Training Program Research Seminar 2 cr min (1 cr each term)

TOTAL CREDITS: 42-46 (includes 8 credits of electives)

Recommended Electives:

General Courses
- PubH 6140 Environmental and Occupational Epidemiology (2 cr)
- PubH 6121 Topics: Injury Prevention in the Workplace, Community & Home (1-2 cr)
- PubH 6122 Seminar: Safety in the Workplace (1 cr)
- PubH 6173 Exposure to Physical Agents (4 cr)
- IE 5511 Human Factors and Work Analysis (4 cr)
- HumF 5001 Foundations of Human Factors/Ergonomics (3 cr)
- IE 5513 Engineering Safety (4 cr)
- Kin 5723 Psychology of Sports Injury (3 cr)
- Psy 5501 Vocational and Occupational Health Psychology (3 cr)
- PubH 6115 Worker Protection Law (1 cr)
- PubH 6130 Occupational Medicine: Principles and Practice (2-3 cr)
- PubH 6852 Program Evaluation in Health and Mental Health Settings (2 cr)

Updated for 2018
Kin 5122  Applied Exercise Physiology (3 cr)

Epidemiology, Biostatistics and Research-Related Courses
PubH 6343  Epidemiologic Methods III
PubH 8341  Advanced Epidemiologic Methods: Concepts (3 cr)
PubH 8342  Advanced Epidemiologic Methods: Applications (3 cr)
PubH 8343  Advanced Epidemiologic Methods: Synthesis and Application of Methods (3 cr)
PubH 8142  Epidemiologic Uncertainty Analysis (2 cr)
PubH 6363  Design and Analysis of Group Randomized Trials in Epidemiology (3 cr)
PubH 6636  Qualitative Research Methods in Public Health Practice (2 cr)
PubH 6806  Principles of Public Health Research (2 cr)
PubH 6810  Survey Research Methods (3 cr)
PubH 6852  Program Evaluation in Health and Mental Health Settings (2 cr)
PubH 8813  Measurement of Health-Related Social Factors (3 cr)
PubH 6451  Biostatistics II (4 cr)
PubH 7401  Fundamentals of Biostatistical Inference (4 cr)
PubH 7405  Biostatistics: Regression (4 cr)
PubH 7406  Biostatistics: ANOVA and Design (4 cr)
PubH 7407  Analysis of Categorical Data (3 cr)
PubH 7430  Statistical Methods for Correlated Data (3 cr)
PubH 7435  Latent Variable Measurement Models and Path Analysis (3 cr)
PubH 7440  Introduction to Bayesian Analysis (3 cr)
PubH 7450  Survival Analysis (3 cr)
PubH 7460  Biostatistical Computing II (3 cr)
PubH 7401  Fundamentals of Biostatistical Inference (4 cr)
PubH 7402  Biostatistical Modeling and Methods (4 cr)
PubH 7420  Clinical Trials: Design, Implementation, and Analysis (3 cr)