

Tentative and Subject to Change
Semester Code: 1241

November 10, 2023

Emergency Management and Disaster Science

Spring 2024

GRADUATE COURSE SCHEDULE

EMDS 5120 APPLIED STATISTICS IN DISASTER SCIENCE

001 cre 3 M 6:00-8:50pm CH 240 Wu, T.

Introduces students to a variety of statistical analyses used in the study of disaster science. Focus is on the practical application of a variety of statistical analyses including bivariate analysis, correlation and various forms of regression analysis techniques. Emphasis is placed on the appropriateness of these techniques in research as well as the interpretation and presentation of these data analyses.

Prerequisite(s): None.

EMDS 5650 INTERNATIONAL DISASTER RELIEF

001 cre 3 W 6:00-8:50pm CH 240 Nelan, M.

Focuses on the complexities and theoretical perspectives of disaster response and recovery on an international level. Students learn about the interaction between humanitarian aid and politics, and the overall efficacy of humanitarian aid in disasters. Topics include: theoretical applications in humanitarian aid, convergence behaviors, neoliberalism, types of organizations active in international disasters (both NGOS and governmental agencies) and disaster mythologies.

Prerequisite(s): None.

EMDS 5800 RISK COMMUNICATION

001 cre 3 T 6:00-8:50pm LANG 214 Lin, R.

Course Description:

Effectively conveying hazards and risks to the public is a common task for public relations professionals. This course aims to deepen your understanding of risk perception and risk communication theory and research, including the individual and social factors that influence protective actions against threats, as well as the role of mass media. Additionally, we will learn how to apply these theories to the risk communication planning process, providing tools and strategies for developing and evaluating risk communication messages.

Prerequisite(s): None.

Emergency Management and Disaster Science
Fall 2024

Graduate Course Schedule

EMDS 5010 EMERGENCY MANAGEMENT THEORY & PRACTICE
001 cre 3 W 6:00-8:50pm CH 240 Webb, G.

Explores the central conceptual and theoretical topics and debates that inform the discipline and practice of emergency management. Focus centers on the nature of disaster, common misperceptions about human behavior under conditions of stress, and the important literature pertaining to disasters and emergency management. By taking an interdisciplinary approach, the seminar enables students to think critically about the epistemological assumptions of alternative theoretical viewpoints and divergent policy proposals.

Prerequisite(s): None.

EMDS 5110 DISASTER RESEARCH METHODS
001 cre 3 T 6:00-8:50pm CH 240 Wu, H.C.

Provides an overview of research methods in emergency management and disaster science, including the major goals of empirical research, research design, and the relationship between theory and research. Topics include qualitative and quantitative methods of data collection, levels of measurement, descriptive statistics, thematic coding, and ethics of research.

Prerequisite(s): None.

EMDS 5615 ENVIRONMENTAL PLANNING AND HAZARDS
001 cre 3 M 6:00-8:50pm TBD Zavar, E.

Explores the natural disasters and strategies public officials can apply to cope with their impacts on the built environment. Natural disasters of geologic, atmospheric, hydrologic, and biologic origin are considered. An environmental planning focus is taken where an emphasis is placed on human-environment interactions as they are related to environmental extremes. Alternative public policy strategies for coping with natural hazards are considered from the perspectives of preparedness, response, recovery and mitigation activities.

Prerequisite(s): None.