

# SAFETY STUDIES-GRAD (SAFE)

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## **SAFE-599 Experimental (3 Credits)**

### **SAFE-601 Current Issues in Safety (4 Credits)**

This course examines promotion and management of occupational safety. Globalization, epidemics, foreign workers, and more will be considered. Computer searches, literature reviews, periodicals and other methods will be used to illustrate the remarkable pathway that occupational safety has taken. Basic research methods are used to enhance the discovery process.

### **SAFE-602 Best Practices in Safety (4 Credits)**

Participants research and define best practices of the safety process; explore how programs are developed, implemented, assessed, and modified. Organizations recognized with awards for their excellence by private and governmental agencies are used as case studies to facilitate learning and understand relationships of best practices and beneficial stakeholders outcomes.

### **SAFE-603 Applied Occupational Health (4 Credits)**

This course is designed to provide practical knowledge for safety professionals. This course will examine historic examples of occupational diseases and develop an understanding of exposure assessment techniques in today's workplace. Course discussion and instructional assignments provide students knowledge and skills to manage illness risks in safety and health programs.

### **SAFE-604 Leading Safety Change (4 Credits)**

What defines leadership, and what about change, can you be a leader without change? This reflective course will study leadership and change concepts by surveying literature, analysis tools, models and case studies to tease out leadership and change concepts that effectively enhance employee health and safety systems within organizations.

### **SAFE-605 Safety Management Systems (4 Credits)**

Surveys leading international safety and environmental management systems, including ISO 14000. Focus on requirements of management systems to identify and implement strategies in organizations. Integrating EMS and SMS is emphasized: management, document control, training, and corrective actions. Students will learn to move organizations beyond basic compliance to innovative performance.

### **SAFE-606 Construction Practices (4 Credits)**

Students will explore the necessary skills required to be successful in the field by discovering established and innovative management practices. Students will evaluate and execute benchmarks for management, quality assurance, liability control, contractual obligation, scope, scheduling, budgeting, procurement, and general operations practices.

**Offered:** Fall, Every Year

### **SAFE-607 Construction Evolution (4 Credits)**

This course will examine and analyze the evolution of construction methods and materials. Students will explore constructions past and recognize its rapid development leading towards modern practices. Students will gain the ability to select and optimize technology, materials, and methods to improve construction practices.

**Offered:** Spring, Every Year

### **SAFE-608 Leadership Development in Construction (4 Credits)**

This course will prepare students for leadership roles in the construction industry. Focus will be placed on developing leadership qualities through behavioral analysis, conflict resolution, managing high pressure situations and communication skills.

**Offered:** Summer, Every Year

### **SAFE-610 Risk and Safety (4 Credits)**

Introduction to scholarly based risk literature in occupational and environmental health. Students learn basic risk concepts and critically evaluate quantitative risk assessment (QRA). The class will examine the interplay of science and policy, especially how scientific uncertainty can become controversial. Innovative decision making processes will be reviewed.

### **SAFE-620 Legal & Ethical Issues (4 Credits)**

Ethical and legal issues faced by safety professionals. Students evaluate issues in terms of their own value system, and prudent practices. Case studies and anecdotal presentations examine issues and prepare students for roles in actions such as litigation and workers compensation claims as well as various court hearings, and trials.

### **SAFE-655 Advanced Safety Research (4 Credits)**

Familiarizes students with strategies for identifying, analyzing, and evaluating safety research. Examines advanced concepts in qualitative and quantitative analysis techniques commonly used in safety research. Explores research design in preparation for their Capstone experience.

**Prerequisite(s):** Take SAFE-601, SAFE-602, SAFE-603, SAFE-604, SAFE-605, SAFE-610, and SAFE-620 OR maybe taken with one other SAFE course with permission of the SOHAS Program Coordinator

**Offered:** Spring, Every Year

### **SAFE-695 Graduate Practicum (4 Credits)**

The practicum course experience serves as a central component of our degree program. Prior to the practicum, you will complete core courses in the degree program. Your practicum experience provides you with an opportunity to translate classroom theory into practice in a workplace environment.

**Prerequisite(s):** Take SAFE-655 and permission of the SOHAS Graduate Program Coordinator

### **SAFE-696 Applied Safety Research (4 Credits)**

Collection and interpretation of data to produce an applied research project for individual students in consultation with their professor. Emphasis on reviewing interconnected data for interpreting research results and applying that research to contemporary safety issues.

Students complete a written project based upon their research.

**Prerequisite(s):** Take SAFE-655 and permission of the SOHAS Graduate Program Coordinator

**Offered:** Summer, Every Year

### **SAFE-698 Independent Study (1-4 Credits)**

Advanced individualized study in an area of safety not normally available in the curriculum.

**Prerequisite(s):** Permission of Graduate Advisor

**Offered:** All, Every Year

### **SAFE-699 Thesis (4 Credits)**

Students pursue Safety as a profession. Technical, theoretical, and historical aspects of the discipline are studied in an inventive and interconnected manner, with an emphasis on developing cogent and comprehensive Safety knowledge rooted in critical thinking. Students are expected to bring their knowledge and critical capacity to bear.

**Prerequisite(s):** Take SAFE-655 and permission of the SOHAS Graduate Program Coordinator