

Standing Requirements

Outcomes Library

MA/MS in Hlth&Sfty(Occ. Safety Mgmnt) Outcome Set

1: Identify, describe, and classify common hazards

Identify, describe, and classify common hazards (workplace and general)

Outcome	Mapping
1.1: Identify common hazards in the workplace and general Identify common hazards in the workplace and general	No Mapping
1.2: Describe common hazards in the workplace and general Describe common hazards in the workplace and general	No Mapping
1.3: Classify common hazards in the workplace and general Classify common hazards in the workplace and general	No Mapping

2: Assess and explain risk

Assess and explain risk and the different perceptions of risk by individuals and segments of the population

Outcome	Mapping
2.1: Assess risk Assess risk as is pertains to occupational safety management	No Mapping
2.2: Explain individuals' perceptions of risk Explain individuals' perceptions of risk	No Mapping
2.3: Explains risk for different segments of the population Explains risk for different segments of the population	No Mapping

3: Prepare safety and health ed. training materials

Prepare safety and health education and training materials

Outcome	Mapping
3.1: Develop content-specific safety training programs Develop content-specific safety training programs	No Mapping
3.2: Demonstrate proficiency in small group presentations Demonstrate proficiency in small group presentations	No Mapping
3.3: Develop effective written presentation skills Students will produce professional written safety training programs.	No Mapping

4: Safety procedures, training and engineering

Determine the proper method of managing workforce acceptance of safety procedures, training and engineering

Outcome	Mapping
4.1: Principles of engineering/workplace hazard resolution Students will use applied engineering to resolve workplace hazards.	No Mapping
4.2: Develop administrative controls for hazard resolution	No Mapping

Students will utilize administrative controls to reduce workplace hazards.

4.3: Select appropriate personal protective equipment No Mapping

Students will correctly identify appropriate PPE to protect workers when engineering or administrative controls are inadequate.

4.4: Develop written training programs No Mapping

Students will develop written training programs to educate workers in the proper use of hazard controls.

5: Incident reporting

Select the proper collection, reporting, and summarization methods for incident reporting

Outcome

Mapping

5.1: Select proper data collection methods No Mapping

Students will demonstrate knowledge of criteria for determining recordable incidents

5.2: Select proper paper/electronic incident reporting forms No Mapping

Students will demonstrate proficiency in completing OSHA 300 log and OSHA 301 Supplemental record with both paper and electronic forms.

5.3: Select proper incident data summarization No Mapping

Students will demonstrate proper use of OSHA 300A Summary and incident rate calculation.

6: Prevent injuries and property losses

Prioritize and recommend the proper action level (design, safety device, warning device, training or PPE) and control techniques for loss exposure (engineering controls, administrative control, or PPE) to prevent injuries and property losses

Outcome

Mapping

6.1: Prioritize hazard control No Mapping

Students will incorporate hazard control and management techniques into class projects.

6.2: Recommend action levels No Mapping

Class projects will include student recommendations for reducing or eliminating hazards that lead to injuries and property losses.

7: Necessary quantitative and analytical skills

Gain the necessary quantitative and analytical skills to manage a safety department regarding the economic, financial, and decision making aspects of safety management

Outcome

Mapping

7.1: Identify system safety and job safety analysis methods, procedure, and forms No Mapping

Develop comprehensive description of system safety engineering and safety management fundamental concepts and techniques

7.2: Describe statistical values and probabilities of accidents for system safety analysis No Mapping

Demonstrate ability to describe and use statistical values and probabilities of accidents for system safety analysis.

7.3: Describe methods of economic, financial and decision making aspects of safety management No Mapping

Demonstrate ability to proper description and application methods of economic, financial and decision making aspects of safety management.

8: Adherence to professional and ethical standards

Demonstrate adherence to professional and ethical standards, and become and advocate for the safety profession through development of standards, increasing knowledge base, and participating in the appropriate professional activities.

Based on the scientific and appropriate research methods and data analysis students are required to define research goal(s) and hypotheses, conduct literature review, collect data, conduct data analysis (statistical or others) and draw conclusion accordingly. Due to the unique nature of each project, the details are different but the overall approach is the same and students are required to present and defend their proposal and their final reports in oral and written format. The goal of this assessment is to determine if the students gain the right skills and knowledge to adhere to professional and ethical standards in order to advocate for safety profession and participate in the professional activities.

Outcome	Mapping
8.1: Demonstrate ethical methods in conducting research Students must successfully complete online IRB training modules and obtain committee approval of project proposals.	No Mapping
8.2: Develop effective oral and written communication skills Students will prepare professional project proposals and field research project reports or a thesis and orally defend the project or thesis to their committee.	No Mapping
8.3: Promote continuing educational opportunities Students are encouraged to join professional organizations such as ASSE, NSC, AIHA	No Mapping
8.4: Student participation Graduate students are encouraged to participate in national and international professional conferences through technical paper submissions and presentations.	No Mapping

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