

Competencies

Professional Practice MHS – Occupational and Environmental Hygiene Department of Environmental Health Sciences

1. Recognize, evaluate, and control factors in the workplace that may cause illness or injury

			Evaluation Opportunities				
Specific Competencies	Learning Opportunities		Course Work/Exam	Practicum	Masters Essay	Advisor Review	Divisional Seminar and Journal Club
Apply analytical and technical skills in reviewing, exploring, understanding, or solving a problem pertinent to occupational and environmental hygiene	140.621-3 Statistical Methods in Public Health I–III 182.614 Industrial Hygiene Laboratory 182.621 Introduction to Ergonomics 182.625 Principles of Industrial Hygiene 187.610 Principles of Toxicology 188.680 Fundamentals of Occupational Health 188.681 Occupational Health 317.600 Introduction to the Risk Sciences and Public Policy 340.601 Principles of Epidemiology Practicum Masters Essay Divisional Seminar and Journal Club Participation and Presentation		X	X	X		X
Complete a professional investigation and present it in written form	182.614 Industrial Hygiene Laboratory 182.621 Introduction to Ergonomics 188.680 Fundamentals of Occupational Health 188.681 Occupational Health Practicum Masters Essay Divisional Seminar and Journal Club Participation and Presentation		X	X	X		X

Competencies

**Professional Practice MHS – Occupational and Environmental Hygiene
Department of Environmental Health Sciences**

2. Prepare for an immediate career through comprehensive education and training

Evaluation Opportunities

Specific Competencies	Learning Opportunities	Course Work/Exam	Practicum	Masters Essay	Advisor Review	Divisional Seminar and Journal Club
Undertake a professional experience appropriate to and tailored for the needs of the individual student	Practicum Masters Essay	X	X	X	X	
Take on independent responsibility for a project, and submit a written report on the project	Practicum Masters Essay	X	X	X	X	
Augment training in the student's particular area of interest or specialized competency	Practicum Masters Essay Divisional Seminar and Journal Club Participation and Presentation	X	X	X	X	X

3. Develop functional skills in the five core areas designated by the Council on Education in Public Health for professional programs

Evaluation Opportunities

Specific Competencies	Learning Opportunities	Course Work/Exam	Practicum	Masters Essay	Advisor Review	Divisional Seminar and Journal Club
Develop quantitative skills needed to function as a professional occupational and environmental hygienist	140.621-3 Statistical Methods in Public Health I–III 182.614 Industrial Hygiene Laboratory 317.600 Introduction to the Risk Sciences and Public Policy 340.601 Principles of Epidemiology Practicum Masters Essay Divisional Seminar and Journal Club Participation and Presentation	X	X	X	X	X

Competencies

**Professional Practice MHS – Occupational and Environmental Hygiene
Department of Environmental Health Sciences**

3. Develop functional skills in the five core areas designated by the Council on Education in Public Health for professional programs, continued

			Evaluation Opportunities				
Specific Competencies	Learning Opportunities		Course Work/Exam	Practicum	Masters Essay	Advisor Review	Divisional Seminar and Journal Club
Understand basic biological concepts needed to evaluate exposure-response relationships	183.631 187.610 Fundamentals of Human Physiology Principles of Toxicology		X				X
Apply exposure and risk assessment principles to occupational and environmental hazards	182.614 182.615 182.622 182.625 182.637 186.601 187.610 188.680 317.600 Practicum Masters Essay Divisional Seminar and Journal Club Participation and Presentation	Industrial Hygiene Laboratory Airborne Particles Ventilation Controls Principles of Industrial Hygiene Noise and Other Physical Agents in the Environment Introduction to Radiation Health Sciences Principles of Toxicology Fundamentals of Occupational Health Introduction to the Risk Sciences and Public Policy	X	X	X	X	X
Apply management and social and behavioral sciences theory to work-place settings	182.621 182.623 188.681 317.600 317.610 Practicum Masters Essay	Introduction to Ergonomics Occupational Safety and Health Management Occupational Health Introduction to the Risk Sciences and Public Policy Risk Policy, Management and Communication	X	X	X	X	
Describe and evaluate statutes and regulatory policies related to environmental health and discuss their interface	180.629 182.631 317.610 Practicum Masters Essay	Environmental and Occupational Health Law and Policy Principles of Occupational Safety Risk Policy, Management and Communication	X	X	X	X	