

Bemidji State University

CHEM 3140: Chemical Toxicology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Chemical principles in toxicology. Design of environmentally safer chemicals; quantitative analysis of the toxicity of various molecules. Prerequisite: CHEM 3311.

B. COURSE EFFECTIVE DATES: 04/20/2000 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction to Toxicology & Nanomaterials
2. Environmental & Health Impacts of Nanomaterials: Overview and Challenges
3. Fate and Transport of Nanomaterials in the Environment
4. Toxicity and Health Hazards of Nanomaterials

D. LEARNING OUTCOMES (General)

1. learn chemical principles of toxicology.
2. design a safer chemical environment.
3. conduct quantitative analysis of the toxicity of various molecules.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted