

Minnesota State College Southeast

NANO 1000: Introduction to Emerging Technologies

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course will provide an overview of nanotechnology, what the word "nanotechnology" means, and where it comes from. It also explores the differences between the macro-scale, micro-scale, and nano-scale. We will explore how old nanotechnology is with a brief history and why nanotechnology is so popular today. We will look at nanotechnology today including the worldwide investment in nanotechnology, workforce demands, equipment used in nanotechnology, and some examples of nanotechnology being used to enhance consumer products. (Prerequisite: None) (3 credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 03/01/2010 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted