

Minnesota State College Southeast

NANO 1100: Fundamentals of Nanoscience I

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 consist of lecture, laboratory exercise, guest speakers and field trips to introduce students to the world of nanoscale science. The course content will follow and enhance the biology course that is taken simultaneously with this course. Topics will include DNA extraction, protein function, bio-catalysis, biotechnology and cellular development. Students will complete a research project related to nanoscale biology. (3 credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 05/02/2008 - 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