

Minnesota State College Southeast

NANO 1200: Fundamentals of Nanoscience II

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

NANO 1100 - Fundamentals of Nanoscience I

Corequisites: None

MnTC Goals: None

Similar to the first semester NANO1100 course, this course will continue the investigation into nanoscale science with the emphasis on chemistry and physics applications. Students will perform experiments with photonics, x-ray diffraction, material properties, etc. in concert with the Gen Ed courses. This course will include trips to laboratories, guest lecturers, and a classroom lecture component. Students will work independently and in teams and prepare a subject appropriate research paper. (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