LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
I. Obtain a preliminary understanding of the interfacing of the various stages of the nanofabrication process through identification of those stages and their respective functions.	Lecture Group and individual skills training activities	Exams Projects Presentations Laboratory Activities
2. Identify the safe handling of various materials used in nanofabrication.	Lecture Group and individual skills training activities	Exams Projects Presentations Laboratory Activities
3. Identify the rules and regulations associated with nanofabrication manufacturing.	Lecture Group and individual skills training activities	Exams Projects Presentations Laboratory Activities
4. Utilize procedures to safely operate nanofabrication equipment.	Lecture Group and individual skills training activities	Exams Projects Presentations Laboratory Activities

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS:

Topic 1	Lecture	Overview: industry safety, health, environmental issues
	Labs	General safety training, Nanofab orientation
Topic 2	Lecture	Cleanrooms: operation, safety, and health issues Facility tour: chase, catwal
	Labs	

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: William Brownlowe Date: 4/2000

VPAA/Provost or designee Compliance Verification:

Brad Gottfried Date: 4/20/2000

Revised by: William Brownlowe Date: 7/20/2013

VPAA/Provost or designee Compliance Verification:

Victoria L. Bastecki-Perez, Ed.D. Date: 6/11/2014

was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.