Course Title: Engineering Physics Lab II

Submitted By: Jason Slattery

Semester Course Prefix and Number: PHYS 1582
Approval Date: 

Old Quarter Course Prefix and Number: PHYS 612 & 613
Revision Date: April 2011

Number of Credits: 1
Number of Lecture Credits: 
Semester(s) Offered: 
Number of Lab Credits: 1
Number of Lab Hours: 
Number of Studio/Demonstration/Internship Credits: 

Course Purpose Code:

0 – Developmental Courses
1 – Non-transferable, General Education
2 – Technical course related to career programs
3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
4 – Other college course not considered a part of general education (MNTC) e.g. computer science, health, physical education
X 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements.
6 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
Engineering Physics II Lab - required as part of Engineering Physics II.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): None
Reading Prerequisite: None
Composition Prerequisite: None
Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:
Pre-Engineering, Physics, Pre-Medicine, Pre-Dental

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable: Notes: No more than two goals may be met by any one course. (Curriculum Committee review and the Chief Academic Officer’s approval are required).

0. None
1. Communications
2. Critical Thinking
X 3. Natural Sciences
4. Mathematical/Logical Reasoning
5. History and the Social and Behavioral Sciences
6. The Humanities and Fine Arts
7. Human Diversity
8. Global Perspectives
9. Ethical and Civic Responsibility
10. People and the Environment
Learning outcomes, including any relevant competencies listed in the Minnesota Transfer Curriculum:
Selected experiments designed to show the basis for the physical principles covered in Engineering Physics II. See the course outline for PHYS 1572.

Student assessment methods:
Written lab reports that include purpose of the lab, diagram of setups, procedure, results, and conclusion.

Use of instructional technology (includes software, interactive video and other instructional technologies):
Graphing using Excel.

Outline of the major course content:
See course outline for PHYS 1572.

Additional special information (special fees, directives on hazardous materials, etc.)
Engineering Physics Lab II (1 lab; 1 credit) is required with PHYS 1572 Engineering Physics II.

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Approvals:

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