Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective:	Fall (Semester)	2008 (Year)
Title:	Principles Of Physics Ii *(limit to 50 characters including spaces)*	Course Number: PHY 215
Initiator:	Alan West	Date Submitted: 11/17/2008

Units Min:	4.00	*If this is a variable unit course, then the relationship between units and any difference in expected SLO's should be explained.*
Units Max:	4.00	

Lecture Hours:	3.00 to 3.00	Lab Hours:	3.00 to 3.00	Activity Hours:	0.00 to 0.00

Student Learning Outcomes: *(Enter the SLO's in an outline format. Use the Ctrl + Tab keys to indent for subtopics.)*

1. Analyze and interpret scientific data and conclusions using the scientific method of problem solving and caluclus.
2. Understand major principles of Newtonian physics (e.g. properties of matter, heat, sound, magnetism, light and electricity).
3. Design, conduct, analyze and interpret scientific experiments using the scientific method of problem solving.
4. Understand major principles related to optical systems and quantum mechanics.
5. Demonstrate skilled laboratory techniques.
6. Understand the principles of electric and magnetic fields.
7. Understand central principles in physics including Gauss's Law and Faraday's Laws describing magnetic fields and their effect upon proximity charges.

SIGNATURES / APPROVALS:

Instructor(s) _____ Signature _____ Date

Instructor(s) _____ Signature _____ Date