Tentative Syllabus
Physics 110: College Physics I
Fall Semester 2009

Place: LA 205

Time: 11:40 to 12:40 MWF

Instructor: Dr. Stuart Snyder
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Office Hours: 1:00 to 3:00 MW, and by arrangement.

Text: *Physics* (4th edition), by Walker.

Course Description:
This is an introductory physics course that will focus on the study of kinematic and dynamic motion of objects in one and two dimensions, vector analysis, static and dynamic forces on objects, and Newton's Laws of motion. We will also study Newton's Law of gravitation, conservation of energy and momentum, rotational motion and angular momentum, wave motion, and the physics of fluids. This material is covered in chapters 1 through 15 in the text.

Phys 110 is a math-based course that requires a working knowledge of algebra and trigonometry. The prerequisite for this course is Math 107. Knowledge of calculus is not required.

Successful completion of this course will give the student a solid foundation in the fundamental concepts of classical physics and will enhance the student's problem-solving skills.

Outcomes and Assessment:
The degree to which the student is successful in learning the fundamental concepts of classical physics and applying these concepts to solve problems will be assessed by homework and examinations. The student is responsible for reading the assigned material in the text.

Homework:
Physics is a problem-solving discipline, and homework is an important factor in learning the material. Accordingly, 6 to 10 homework problems will be assigned each week, collected and graded. **IMPORTANT:** The homework will be done online using a program called *Mastering Physics*. This program uses problems from the end of the chapters, and also grades the homework and records the scores. You will typically be given one week to complete the current homework assignment. After the due date, the

homework will no longer be accepted. However, the homework can be accessed throughout the semester for study and review. The access code for this program accompanies the textbook or can be purchased online at www.masteringphysics.com. The course ID needed for registration is SNYDERPHYS110F09. To login to *Mastering Physics*, go to www.masteringphysics.com, enter your Login Name and Password, and click Log In.

Examinations:
We will tentatively have three 1-hour exams at roughly 4 week intervals on the following chapters:

Exam 1: Chapters 1, 2, 3, and 4
Exam 2: Chapters 5, 6, 7, 8, and 9
Exam 3: Chapters 10, 11, 12, 13, and 14
Final Exam: Comprehensive and also Chapter 15

Make-up Exam Policy:
Make-up exams must be scheduled in advance of the scheduled hour exam. Failure to do so will result in a 0 for that exam.

Grading:
Grades will be determined as follows:

Hour exams:	55%
Final Exam:	25%
Homework:	20%

Grades will be assigned on the following basis:

93% to 100%	A
90% to 92%	A-
87% to 89%	B+
83% to 86%	B
80% to 82%	B-
77% to 79%	C+
73% to 76%	C
70% to 72%	C-
67% to 69%	D+
63% to 66%	D
60% to 62%	D-
less than 60%	F

Academic Honesty:
It has been my experience that the vast majority of students taking this course are honest, hard-working students who enjoy learning. In fairness to these students, I do not tolerate cheating on exams. A student caught cheating on an exam or plagiarizing will receive an "F" for the course.