

Physics 107- Physical Science

Instructor: **Mir Emad Aghili**
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Text: Conceptual physics 12th edition, Paul Hewitt

Lab Manual: Physical Science Physics 107 Laboratory Manual - available from UM Printing & Creative Services in Sam-Gerard Hall. **This is not the textbook lab manual!!!**

COURSE SCHEDULE: MW 2:00-2:50 p.m.

LAB SECTIONS: Sec. 10 (T 7:00-8:50 p.m.); Sec. 11 (W 7:00-8:50 p.m.)

Purpose

Physics is one of the most fundamental science that the trace of which can be found in almost all other branches of science. Physics is a beautiful way of thinking about the world, which is very useful to understand the world around us. In higher levels physics can be used to develop new perspectives in other branches such as biology, chemistry, medicine etc. The purpose of this course is to present an understandable basic introduction in physics, with less math and more fun experiments in other words, understanding physics by observation.

Objectives

The goal in this course is to understand the basic concepts of physics and problems. You are expected to know how the fundamental laws of motion and gravity, Nature of materials and heat by the end of semester.

Grading scale

Classroom tests will be multiple choice and require scantron (882-E, the slim green one). There will be a comprehensive final.

There Will be 4 tests and a Final Exam. The lowest grade of the four test will be dropped. Each test have 15% and the final exam contributes 25% to the total grade. The scheduled date for the tests can be found in course schedule. Those times are fixed unless there is a change announced in class.

Final Laboratory grade will be 30% of the class grade. **3 missed labs will result in automatic failure of the entire course.**

Final Exam for sections 10 and 11 will be **Monday Dec 04.**

From	Percent
LAB	30%
3 Tests	15%+15%+15%
Final Exam	25%
Total	100%

Course grading by letters will be as follows

A (90+); B (80-89); C (70-79); D (60-69); F (59 and below)

Attendance Policy

- Lecture attendance is not required (beyond the first two weeks), but it is highly recommended. There might be some quizzes during the class.
- Materials that are going to be covered in each class should be studied.
- The lecture notes will be on blackboard before each class.
- Students should come to class early or else do not attend.
- Any attempt at cheating will result in proportional grade reduction.
- Extra credit and bonus points will be provided at the discretion of the instructor.