

Syllabus for PHYS 108 – Conceptual Physics II

Spring 2018

Instructor: **Chandrima Chatterjee**

Contact by email: cchatter@go.olemiss.edu

Office hours: Monday, 8:00 a.m. – 10:00 a.m., Lewis room 227

(Additional appointments may be set up using email)

Text: Conceptual Physics, 12th Edition by Paul Hewitt

Lab Manual: PHYS108 Physical Science Laboratory Manual, available at UM Printing & Creative Services in Sam-Gerard Hall.

Course Schedule: MW 1:00 p.m. – 1:50 p.m.

Lab Sections: Sec 10 (T 7:00 p.m. – 8:50 p.m.), Sec 11 (W T 7:00 p.m. – 8:50 p.m.).

Aim

Physics is the most basic of all sciences and forms the foundation of all other branches of science. By studying different interactions, physics helps us to understand the world around us. Hence it is extremely important that both science and non-science majors take courses in physics to improve their general education. This course aims at providing an interesting and accurate introduction to basic concepts in physics. The mathematical problem solving skills required in this course are minimum; rather the ideas are presented conceptually with the help of equations and fun experiments.

Class Policies

- Please arrive on time for the lecture and the lab.
- Read the textbook chapter in advance before coming to class.
- Lecture attendance is not strictly required, but it is strongly recommended. There will be daily quizzes related to the material covered in class. There will be questions on the tests related to topics covered in class, whether or not it is present in the textbook.
- Students are expected to adhere to the Standards of Honesty as described in Policy Code ACA.AR.600.001 and written in the M Book. You will be reported against if you violate the Standards of Honesty.
- All materials shared with you in class are protected under intellectual copyright. Any attempt to upload or distribute these materials on the internet (or by other means), without approval of the instructor would be considered as theft and violation of the intellectual property law and UM Academic Conduct Code.
- Any attempt at cheating during tests will result in grade reduction.

Tests

There will be four tests and a final. The tests will be of multiple-choice type. Each test will count toward 15% of the total grade. The final exam will contribute to 25% of the total grade. The final lab grade will contribute to 30% of the total grade. 3 missed labs will result in automatic failure of the entire course.

Course letter grades will be as follows:

A(90+), B(80-89), C(70-79), D(60-69), F(59 and below). The lowest score out of the 4 midterm tests will be dropped. The grading for the tests, final and lab final is shown below:

Source	Percentage
Lab	30%
3 Tests	15% each
Final Exam	25%
Total	100%

The dates for the tests and final exam are as follows:

Test	Date
Test 1	Feb 14
Test 2	Mar 7
Test 3	Apr 9
Test 4	May 2
Final Exam	May 9, Noon

PHYS 108 – Lecture and Lab Schedule

Date	Chapter	Lab
Jan 22	Course Introduction	
Jan 24	22	
Jan 29	22	
Jan 31	23	
Feb 5	23	13
Feb 7	24	13
Feb 12	25	14
Feb 14	Test 1	14
Feb 19	26	15
Feb 21	26	15
Feb 26	27	16
Feb 28	28	16
Mar 5	28	17
Mar 7	Test 2	17
Mar 12-16	Spring Break	
Mar 19	29	18
Mar 21	29	18
Mar 26	30	19
Mar 28	30	19
Apr 2	31	20
Apr 4	32	20
Apr 9	Test 3	21
Apr 11	33	21
Apr 16	33	22
Apr 18	34	22
Apr 23	35	Lab Review
Apr 25	35	Lab Review
Apr 30	36	Lab Final
May 2	Test 4	Lab Final
May 9, Noon	Final Exam	