

Physics 212 – Syllabus

Summer 2008

General Information

Instructor: Morris Mitchell

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Phone: (662) 915-3887

Office: Lewis 121A

Office Hours: 10:00 – 11:30 AM

Lecture: 8:00 – 9:50 AM in Lewis 109

Required Text: *Fundamentals of Physics* (8th edition) by Halliday, Resnick, and Walker

Course Description

This is the second course of a two course sequence in calculus-based physics. It is designed primarily for engineering majors. The first course of the sequence is PHYS 211. Students who enroll must also take (or have previously passed) the PHYS 222 laboratory course.

We will cover chapters 21 through 36 in the text. We may omit some sections within these chapters.

The primary goal of this course is for students to leave with a deep conceptual understanding of the material. It is also hoped that involvement in the course will improve their analytical reasoning and problem solving skills.

Course Evaluation

The grades will be weighted in the following way:

Homework = 20%

Quizzes = 20%

Midterm Exam = 30%

Final Exam = 30%

Homework will be assigned for each chapter and will be completed using an online service called WebAssign. More information about the system will be provided in class. Students are encouraged to work together on homework problems.

Quizzes will be given in the first 10 minutes of most class meetings. They will be conceptual in nature and will focus on important topics that have recently been covered in lecture. Students who arrive while a quiz is being given will not be allowed to take the quiz. The four lowest quiz grades of the semester will be dropped.

The midterm exam will cover the material from chapters 21 through 27. The date and time of this exam will be announced in class.

The final exam will cover the material from chapters 28 through 36. It is scheduled for 8 AM on Thursday, July 24th.

Letter Grades

Letter grades will be assigned in the following way:

A = 90 to 100

B = 80 to 89

C = 70 to 79

D = 60 to 69

F = less than 60

The minimum numerical grade needed to obtain a given letter grade may be lowered at the instructor's discretion.

Course Policies

There is no attendance policy for the course and roll will not be taken. In the case of illness or an unexpected emergency, you must provide appropriate documentation in order to have the absence excused.

Academic integrity is essential to the values upon which the University is founded. Students must therefore embody academic honesty in all aspects of their work. A student with a documented case of plagiarism or cheating in a course will receive the grade of F for the course and may face disciplinary action by the University.