Co/Pre-requisites:
You should have taken MATH 151 and currently be enrolled in MATH 152. You are expected to have a working knowledge of plane and solid geometry, trigonometry, algebra, vectors, differentiation and integration.

Instructor:
Dr. George R. Welch
Office: ENPH-Office Wing, Room 415
Office hours: Monday 9:00-10:30, Tuesday 8:30-10:00 or by appointment

E-mail:
Please use this address: phys208@leona.physics.tamu.edu
My departmental address is very busy. If you do not use the class address above, my response will almost certainly be delayed.

World-Wide Web:
http://leona.physics.tamu.edu/Phys208.04s/

Textbooks:
Physics for Scientists and Engineers 3rd ed. by Douglas C. Giancoli (Volume 2)

Recitation and Laboratory:
Recitation meets in 119 Heldenfels Hall for the first hour, and is followed by a Laboratory session the remaining two hours. If you are retaking the course you should notify me immediately in order to arrange to get credit for any lab taken previously. Students retaking the course do not have to repeat the Lab provided your lab grade was 80 or higher, but you must attend the Recitation.

Note: There will be no recitation or lab meetings during the first week of the semester.

Web Based Homework:
Homework is required and will be implemented through the TAMU WebCT system.

Before beginning the semester’s assignments, you are required to set up your account on WebCT and take some Math Review Quizzes and 218 Review Quizzes. These are preliminary, and will not be part of your grade. You must score 10 perfect scores on the Math Quizzes and 5 perfect scores on the 218 Review quizzes before you will be allowed to access the WebCT homework sets. Thus, you should get this out of the way as soon as possible.

Homework problems are from the textbook, and are listed at on the tentative schedule that is attached to this syllabus.

Homework assignments are for you to practice problem solving techniques. You will have a weekly homework assignment to submit a selected number of these problems using WebCT for grading as part of your homework/lecture grade. You are nominally expected to complete the list of assigned problems for each chapter in the week following the discussion of
this material in lecture and recitation. Recitation is a problem solving session, where the instructor will work problems and answer questions.

**In-Class Quizzes and Homework:**
During the semester many short (≈ 10 minute) quizzes will be given in class. My goal is to have a quiz every day, but the actual number will be short of that.

Each quiz will test your ability to work the material that was just discussed in class, or the material that you should have read before coming to class. No partial credit will be given – the answer is either right or wrong.

In addition to the quizzes, there will be periodic assignments handed out that you will be asked to complete. Think of these as “take-home quizzes.”

**Exams:**
There will be three midterm exams and one final exam. Each midterm exam is 50 minutes long and the final exam is 2 hours long. These exams will generally consist of problems similar in content and difficulty to the homework, the examples in the book, and the daily quizzes. The entire solution will be graded and partial credit given if merited. Your work must show the steps toward the solution; the answer alone is not sufficient. The grader will judge your use of physics in arriving at the solution. You can expect at least one problem to be something you have not seen, but that can be worked with the material presented in the course.

You will be supplied with a formula sheet with each exam. A copy of this sheet may be available on the departmental web site before each exam. You will need to bring a calculator to the exams. However, if you have a programmable type calculator, please clear its memory before beginning the exam.

If you miss an exam due to an authorized excused absence as outlined in the *University Regulations* you must contact me no later than the next class meeting following the missed exam to arrange for a makeup exam. We may organize a single course-wide makeup exam for those missing an exam. If so, this makeup exam will be written by a committee of 208 lecturers and administered outside normal class time within 7-10 days following the missed exam. Note: Very few conditions qualify as an authorized excused absence, so avoid missing an exam at all costs.

You must bring your student ID with you to all exams for identification purposes.

**Exam Grade:**
Exam grades may be curved depending on special conditions of a particular exam. In no case will a curve result in a lower letter grade than the standard 90-100% A, 80-89% B, 70-79% C, 60-69% D and <60% F.
**Course Grade** The total course grade consists of 750 points distributed as follows:

<table>
<thead>
<tr>
<th>Points</th>
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<tbody>
<tr>
<td>3 Midterm Exams</td>
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<tr>
<td>Final Exam</td>
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<tr>
<td>Daily Quizzes</td>
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<tr>
<td>Laboratory</td>
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<tr>
<td>Web-Based Home Work</td>
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<tr>
<td><strong>Total</strong></td>
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**NOTE:** In the case where your final exam grade is better than your 3 exam average, an alternate grading scheme will be used. This scheme allows the final to count 300/750 points toward your final grade and your exam average to count 200/750 instead of the breakdown indicated above. You must pass both the laboratory and lecture (3 midterm exams and final exam) parts of the course **separately** in order to pass the course.

**Important Statements:**

**Americans with Disabilities Act**

The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building, or call 845-1637.

**Copyrights**

The handouts used in this course are copyrighted. By “handouts” we mean all materials generated for this class, which include but are not limited to syllabi, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless the author expressly grants permission.

**Scholastic Dishonesty**

As commonly defined, plagiarism consists of passing off as one’s own the ideas, work, writings, etc., that belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules [http://student-rules.tamu.edu/], under the section “Scholastic Dishonesty.”