

Physics 122 - Syllabus

Meeting Times:	9:10 to 10:00 or 10:10 to 11:00 Monday through Friday in room 131 of the Science Complex Laboratory meeting times will be arranged during the first week of the semester.
Instructor:	Brad Halfpap My office is room 227 in the Science Complex Telephone 243-2061 Email bradford.halfpap@umontana.edu Office Hours MWF 11:00 to 12:00 and 1:00 to 2:00
Textbook	<u>Physics</u> by Douglas Giancoli (6 th edition) Laboratory materials may be found at www.physics.umt.edu/labs
Web Site	www.physics.umt.edu/phys122_brad
Prerequisite	Physics 121
Assignments	You will find problem assignments and solutions to problems on our web site.
Reading	Material from the textbook should be read prior to the day it is discussed in lecture. The detailed assignments may be found on the course schedule which is on the web site. As you know from last semester, this course is difficult and it moves quickly through a large amount of material. Do not expect to simply listen to the lecture presentation and understand the concepts. A part of an effective learning strategy is to come to each lecture with some idea of where your questions lie so that I can help you during the class period. To do this you need to read the material before coming to lecture.

Homework However clear a concept may seem to you when you hear me discuss it or when you see me work examples that utilize it, you do not know whether you actually have a grasp of it until you work with it on your own. It is not to be expected that all or even most of the assigned homework problems will be easy or straightforward for you. Time spent constructing solutions to problems that you find difficult will be some of the most productive learning time you spend; you must be willing to invest that time and energy. While study groups are a useful way to build knowledge and while we will have considerable opportunity to discuss some of the assigned problems in class, you will need to spend time alone with the material if you are to discover what you do not comprehend so that it can be addressed. Solutions to homework problems will be available before the exam over those chapters. Your solutions will not be collected.

Review Topics On the course schedule you will find one review topic from last semester's material for each week. We will be using many of these ideas this semester and they are also highly likely to be found on pre-professional exams such as the LSAT or the MCAT. You should remind yourself of the details of these topics. There is a link to some sample questions on the web site. One or two multiple choice questions will appear on each exam based upon these topics.

Laboratories As indicated on the course schedule, there will be ten laboratory exercises during the semester. Short reports using the same format as last semester are required for each. You must be present in lab to turn in a report. If you turn in exactly seven reports for the semester, your semester grade will be reduced by one letter. If you turn in six or fewer reports, you will fail the entire course regardless of your other work.

Exams During the fall term there will be five exams given during the regular class period. You may bring one 3x5 inch note card with any information you wish to the exam.

Final Exam The final exam will cover material from the entire semester. You may bring five index cards with you to this exam.

Grading The semester grade will consist of a weighted total of your performance in lab and on the exams. I will distribute class statistics for these measures after each exam so that you can see how you are doing relative to the other students. I will also indicate the level that I feel constitutes acceptable work. Departmental policy for this course dictates that the final determination of grades will take place after the final exam has been graded. The grade distribution will be made in such a way as to maintain consistency from year to year. As a rough guide, about 35% of the class will likely receive an A or B in the course. The weighting of the various evaluations is as follows:

Laboratories:	10%
Midterm Exams 1, 2, 4, 5:	12% each
Midterm Exam 3:	17%
Final Exam:	25%

Standard Syllabus Material

The standard university catalog notwithstanding, this course may only be taken for traditional credit or audited. The latter option is only available at the beginning of the semester. If the class goes poorly your only grading options will be to withdraw or stay with the course and receive a letter grade.

Students are expected, when selecting and registering for their courses, to make informed choices and to regard those choices as semester long commitments and obligations. After registering and through the **first fifteen (15) instructional days of the semester**, students may use the internet (<http://cyberbear.umt.edu>) to drop and add courses or change sections and credits. Fees are reassessed on the fifteenth day of the term. Added courses and credits may result in additional fees. For courses dropped by the fifteenth instructional day, no fees are charged and courses are not recorded. (For deadlines and refund policy for withdrawal from all courses, see the Withdrawal sections of this catalog.) An instructor may specify that drop/add is not allowed on the internet. A drop/add form is used to make changes in these courses, if approved by the instructor. After adding a course, the credit/no credit grading option or auditor status may be elected on the internet or on a form available at the Registration Counter in Griz Central in the Lommasson Center. These options are not allowed for some courses as identified in the Class Schedule. Change of grading option to audit is not allowed after the 15th instructional day. Beginning the **sixteenth (16) instructional day of the semester through the thirtieth (30) instructional day**, students use paper forms to drop, add, and make changes of section, grading option, or credit. The drop/add form must be signed by the instructor of the course and the student's advisor. The signed drop/add form must be returned to the Registration Counter (or the Registrar's Office at the College of Technology) no later than the thirtieth instructional day. A \$10.00 processing fee is charged for each drop/add form. Added courses and credits may result in additional fees. There are no refunds or reductions of fees for courses dropped and grades of W (withdrew) are recorded. Beginning the thirty first (31) instructional day of the semester through the last day of instruction before scheduled final examinations, students must petition to drop, add, and make changes of section, grading option, or credit. The petition form must be signed by the instructor of the course and the student's advisor and, in the case of drops only, by the dean of the student's major. A \$10.00 processing fee is charged for each petition. Added courses and credits may result in additional fees. There are no refunds or reductions of fees for courses dropped, and the instructor assigns a grade of WP (withdrew/passing) if the student's course work has been passing or a WF (withdrew/failing) if the course work has been failing. These grades do not affect grade averages but they are recorded on students' transcripts. Documented justification is required for dropping courses by petition. Some examples of documented circumstances that may merit approval are: registration errors, accident or illness, emergency, change in work schedule, no assessment of performance in class until after this deadline, or other circumstances beyond the student's control. The opportunity to drop a course for the current term or alter grading option for such a course ends on the last day of instruction before scheduled final exams. Dropping a course taken in a previous term or altering grading option or audit status for such a course is not allowed. The only exceptions are for students who have received a grade of NF (never attended) or new students unfamiliar with the drop process who have ceased attendance before the sixteenth day of instruction and can provide to the Registrar's Office instructor verification of non-attendance.

Class Attendance/Absence Policy

Students who are registered for a course but do not attend the first two class meetings may be required by the instructor to drop the course. This rule allows for early identification of class vacancies to permit other students to add classes. **Students not allowed to remain must complete a drop form or drop the course on the internet (<http://cyberbear.umt.edu>) to avoid receiving a failing grade.** Students who know they will be absent should contact the instructor in advance. Students are expected to attend all class meetings and complete all assignments for courses in which they are enrolled. Instructors may excuse brief and occasional absences for reasons of illness, injury, emergency, or participation in a University sponsored activity. (University sponsored activities include for example, field trips, ASUM service, music or drama performances, and intercollegiate athletics.) Instructors shall excuse absences for reasons of military service or mandatory public service. Instructors may establish absence policies to conform to the educational goals and requirements of their courses. Such policies will ordinarily be set out in the course syllabus. Customarily, course syllabi will describe the procedures for giving timely notice of absences, explain how work missed because of an excused absence may be made up, and stipulate any penalty to be assessed for absences.

Academic Honesty

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the university.

All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VP/SA/index.cfm/page/1321>.