

Phys 2101A Course Outline

University of Western Ontario
Fall 2008

Instructor: Prof. Eugene Wong
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(*You must use your UWO email address for correspondence relating to this course or any UWO issues. Please allow 2–3 working days for a response.)

Textbook:

University Physics with Modern Physics, 12th edition, by Young and Freedman.

Class:

September 5th – December 3rd, 2008
Time: MWF 10:30am -11:20am
Location: P&AB 137

Tutorials:

Friday 11:30-12:20, weekly
First Tutorial: TBA

1. Topics:

Chapter	Topic	Sections
27	Magnetic fields & forces	27.1-27.7
28	Sources of magnetic field	28.1-28.8
29	Electromagnetic induction	29.1-29.7
32	Electromagnetic waves	32.1-32.4, 32.6
37	Special relativity	37.1-37.8

2. Evaluations:

Homework assignments	25%
Midterm test	24%
Short Quizzes	16%
Final exam	35%

Assignments

There will be part online (MasteringPhysics.com) and written assignments

The textbook comes with a web access code which you will need in order to use the Mastering Physics website for online assignments. If you buy a used book, it will not come with access code, and you are required to purchase that separately at the UWO Bookstore.

To register for the online part of the course:

- Go to <http://www.masteringphysics.com/>
- Click on University Physics with Modern Physics, 12th edition
- Log in using your access code
- Follow the instructions
- Add the course using the name UWOPHYS2101A
- Failure to register means that you will not be able to submit online assignments, forfeiting that portion of the grades.

There will be 5 assignments, one for each Chapter. You are encouraged to discuss the homework problems with myself, the TAs, or fellow students; however, you need to write your own solutions. Copying an assignment constitutes cheating and will be dealt with seriously.

Midterm Examination

TBA, Time: Friday, 10:30-12:30 (Class + Tutorial Time)

The midterm will examine material in chapters 27 and 28 of the textbook. The Department will provide one make-up test that may be written only with the permission of the Associate Dean, Faculty of Science.

Short Quizzes

Five short quizzes in the form of multiple choices will be conducted during class time on the day the homework is due. Top four out of five will be used in the course evaluations.

Final Examination

TBA

The Final Examination will cover the material from the entire course, but will emphasize chapters 29, 32 and 37. In accordance with Senate Policy, a Special Examination will be held within thirty days of the regular final examination for students who are unable to write the regular examination for medical or other documented reasons. Requests for such a Special Examination must be made to the Associate Dean, Faculty of Science.

Medical or other serious issues

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to the Dean's office as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with their instructor once the accommodation has been approved and the instructor has been informed. In the event of a missed final exam, a "Recommendation of Special Examination" form must be obtained from the Dean's Office immediately. For further information please see: <http://www.uwo.ca/univsec/handbook/appeals/medical.pdf>

A student requiring academic accommodation due to illness, should use the Student Medical Certificate when visiting an off-campus medical facility or request a Records Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found here: https://studentservices.uwo.ca/secure/medical_document.pdf

3. Cheating (Scholastic Offenses):

Cheating

University policy states that cheating is a scholastic offence. The commission of a scholastic offence is attended by academic penalty, which may include expulsion from the program. If you are caught cheating, there will be no second warning. Cheating includes having available any other electronic devices than a watch and a calculator during a test or exam. You may not have a cell phone accessible, even to use it as a calculator or watch. Complete information on the University policy on academic offenses can be found at <http://www.uwo.ca/univsec/handbook/>.

Plagiarism

Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or

citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar).

4. Classroom Conduct:

Disruptive behaviour will not be tolerated in class. Please respect the rights of your classmates to benefit from the lecture by limiting your conversations to those essential to the class. Students who persist in loud or rude behaviour will be asked to leave.

5. Complaints and Suggestions:

If you have a concern about something, please let us know. We rely on your feedback. Please contact the person most directly concerned; this will usually be your instructor. If that is not satisfactory, or if there is something more general bothering you, talk it over with the Physics & Astronomy Department Chair or the Associate Chair of Undergraduate Affairs (for contact information see <http://www.physics.uwo.ca>).