Syllabus

People:
Prof. Raymond Frey | rayfrey@uoregon.edu (mailto:rayfrey@uoregon.edu) | web page (https://pages.uoregon.edu/rayfrey) | Wil 462

TA: Cristien Arzate | cristien@uoregon.edu (mailto:cristien@uoregon.edu)

Classes:
MWF 11:00 - 11:50 am, Wil 318

Office hours:
- Frey (Wil 462): Wed 1:30pm, Thu 1pm; let me know if you want to meet at a different time, or on Zoom.
- Arzate: Tues 1pm, Wil 463

Course Objectives:
We will continue the development of the full Maxwell equations. More specifically, we will explore magnetism and electromagnetic induction. This material corresponds to Chapters 5-7 of Griffiths. If time permits, we may start Chapter 8.

Textbook:
Griffiths, Introduction to Electrodynamics, 4th Ed. Available from the Duck Store or elsewhere in print or as an e-print.

Course assignments:
- Homework. We will have (typically) weekly homework assignments, typically due on Fridays. Normally, each problem will be given 10 points. Unless announced otherwise, assignments are to be turned in at the start of class on the due date. Solutions will be provided. You are encouraged to work on your homework with other students in the class. However, what you turn in must be your own work.
- Pre-flight quizzes. Canvas quizzes based on the textbook reading to be carried out prior to class. Typically these will precede Mon and/or Weds lectures.
- In-class quizzes. Typically on Mondays and based on the recently turned-in homework.
- Class engagement. Attendance is important. We will do some small-group cooperative work on problems during class.
- Exams: A midterm and a final exam. Exams will be closed book and no notes. Useful
information will be provided for the exams and provided beforehand.

**Default class pattern:**

- Monday: pre-flight quiz; in-class quiz; lecture
- Weds: pre-flight quiz; lecture; group work
- Friday: homework due; lecture

**Note:** There will be no class on Monday January 9. Our first class will be Weds Jan 11.

**Grading:**

- Homework: 30%
- Class engagement and pre-flight quizzes: 10%
- In-class quizzes: 10%
- Midterm exam: 20%
- Final exam: 30%

You can monitor scores in the Canvas grade book.

**Late policy:** Unless excused in advance, late homework will be assessed a penalty of 10% for each late day.

**Exams:**

- Midterm Exam: TBD
- Final Exam: Thursday, March 23, 10:15-12:15

**General UO Policies:**

(https://canvas.uoregon.edu/courses/205622/pages/university-policies) University Policies (https://canvas.uoregon.edu/courses/205622/pages/university-policies) on accessibility, accommodations, academic misconduct, mental health, reporting, etc.