

Phys 422 – Electromagnetic Theory

Course Outline: Jan-Apr 2014

Instructor: Dr. Mark Laidlaw
Office: Elliott 106
Phone: 721-7701
Email: laidlaw@uvic.ca

Lectures: 1:00-2:30 MR, ELL 161
Office Hours: TBA, likely including T & W afternoons.

This course covers electromagnetic theory and electromagnetic waves. We will use Griffiths text: *Introduction to Electrodynamics* 3rd Edition as the main text. I will supplement liberally from Jackson's *Classical Electrodynamics* 3rd Edition and Landau and Lifshitz's *Classical Theory of Fields* 4th English Edition.

Marking Scheme:

- Assignments: 40%. These will be approximately weekly.
Students will be responsible (in rotation) for providing accurate solutions to individual problems suitable for the class. Your mark will be based on both the solutions you prepare, and your solutions to problems solved by other students.
- Summative Assignment: 40%.
You will be given an exam-style assignment in the last week of class. It will be due at the final exam.
- Final Exam: 20%
I expect that the summative assignment will prepare you for this.

The University of Victoria has a standardized conversion between percentage grades and letter grades. This marking scheme is:

A+	90-100	B+	77-79	C+	65-69	F	0-49
A	85-89	B	73-76	C	60-64	E	See below
A-	80-84	B-	70-72	D	50-59	N	Not Complete

In all cases, I will use your score (as determined above) to guide the assignment of a percentage grade, and hence a letter grade. I will ensure that assigned grades correspond to the narrative descriptions of the percentage grades as explained in the current Undergraduate Calendar; the descriptions can be found online at:

<http://web.uvic.ca/calendar2013/FACS/UnIn/UARe/Grad.html>

The grade of E permits the possibility of a supplemental exam; I will only award the grade E to a student who had unsatisfactory performance on the final exam which was very inconsistent with my evaluation of their in-class mastery of the material. The grade N means you did not complete the course requirements; I will assign the grade N to a student who does not write the final exam.

I am willing to arrange reasonable accommodations for illnesses and similar issues. If a problem comes up, please let me know promptly; I'll do what I can to help mitigate it.

