

## PHYSICS 4B03 – Electromagnetic Theory – FALL TERM 2013 – COURSE OUTLINE

Instructor: Alan Chen, ABB-260A, x 27096, [chenal@mcmaster.ca](mailto:chenal@mcmaster.ca)

When and Where: M, W: 11:30 – 12:20, JHE 210

F: 13:30 – 14:20, JHE 210

Required Text: Introduction to Electrodynamics, 4<sup>th</sup> Edition, by David J. Griffiths

Website: <http://www.physics.mcmaster.ca/~chenal/4B03/>

Content: We will aim to cover material up to about Chapter 9 of the textbook: electrostatics, magnetostatics, electrodynamics, EM waves. The lectures will follow the textbook closely.

Marking Scheme: Assignments 25%

Midterm Exam: 25%

Final Exam: 50%

Assignment Deadlines: Problem sets will be due by the end of lecture time, on dates to be determined. Late problem sets will not be accepted unless an MSAF is submitted. Late problem sets will be due at a later date, to be determined.

Academic Ethics and Collaboration:

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located here:

<http://www.mcmaster.ca/academicintegrity/>

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one's own or for which credit has been obtained.
2. Improper collaboration in group work.
3. Copying or using unauthorized aids in tests and examinations.

**DISCLAIMER:** The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.

### **MSAF Statement**

*McMaster Student Absence Form (MSAF):*

This is an on-line, self-reporting tool for students to report absences due to minor medical situations that last up to 5 days and to request accommodation for any missed academic work that is worth less than 30% of the final grade. Please note that this tool cannot be used during any final examination period. It is the prerogative of the instructor to determine the appropriate relief for missed term work. You may submit a maximum of one request per term. The form should be filled out immediately when you are about to return to class after your absence. It is your responsibility to follow up with your instructor immediately (within two working days) about the nature of the accommodation.