# Introductory Physics II - 03-64-141-01

Department of Physics - Inter/Summer 2016

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**Erie Hall 1118**
**Mondays, Wednesdays, & Fridays 11:30-12:20**
**Instructor: Mike Busuttil**

Mike Busuttil - Essex 286 - busutti@uwindsor.ca - +1 (519) 253-3000 x 2688
Office Hours: MWF 10:40-11:30 (in EH286 or ER1118) or by appointment

**Assistants:** Jeff Dech - dech@uwindsor.ca
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**Prerequisite:** Introductory Physics I (03-64-140) or Engineering Mechanics (06-85-111)

**Textbook:** Any edition of either book is strongly recommended.
- Halliday & Resnick - Fundamentals of Physics
- Young & Freedman - University Physics with Modern Physics

**Course Description:**

Wave motion, sound, electricity and magnetism, light, and modern physics. A calculus-based treatment of the topics as covered in Halliday & Resnick (Chapters: [15, 17], [21, 22], [24, 30], [33, 34], [36, 37] ) or Young & Freedman (Chapters: [14, 16], 21, [23, 29], [32, 36]).

**Evaluation:**

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| 15% | Tutorials/Labs | Weekly (starting 24-May) | |
| 10% | Homework Assignments | Weekly | |
| 20% | Midterm Exam 1 | 6-Jun-16, 11:30am | Waves & Sound |
| 25% | Midterm Exam 2 | 25-Jul-16, 11:30am | Electricity & Magnetism |
| 30% | Final Exam | 17-Aug-16, 12pm | Cumulative |

**Homework Assignments:** There will be weekly homework assignments. They will be posted and are to be completed on Blackboard. You will have at least 1 week from the time of posting to submit each assignment. Late assignments will not be graded.

**Laboratory:** All students must register in a lab/problem solving section. Students will work in groups of three or less according to a schedule posted outside Room 189-3 Essex Hall. The laboratory work will be done in one of the rooms numbered 189 Essex Hall, depending on the schedule. The lab work consists of experiments and problem solving sessions. The laboratories will begin within the first few weeks of class. You MUST print out and bring the related experiment for your section on that day. If you do not have the experiment with you at the

beginning of the lab session, you will not be allowed to stay and do the experiment. Read the General Instructions, under 'Experiments' on Blackboard, for more information regarding laboratory policies and procedures. Laboratory reports and problem set solutions must be handed in at the completion of the lab period to be graded. The laboratory grade will be determined by the marks for all experiments and all problem solving sessions. Documentation will be required for missed experiments, where medical or sympathetic reasons will be considered. Depending on space and availability, missed experiments with justifiable cause will be made up on alternate days. Missed experiments without justifiable cause will be given a mark of zero. Copying of experiments or problem solving solutions is NOT tolerated. Should two or more laboratory reports from different groups contain substantially similar material or if material from other days are being used by a student, a grade of zero will be given to all parties involved and the matter will be directed to the Department Chair and the Associate Deans of Science and Engineering for further consideration.

**Calculator Policy:** Only calculators approved by the Faculty of Science may be used in tests or the final examination. These include: Sharp EL-509V, EL-531V, EL-531W, EL-531WB-BK, or EL-531XB-WH Texas Instruments TI-30Xa, TI-30Xa Solar, TI-30X IIS or TI-30X IIB. Any unapproved calculators will be taken from students during the exam/midterms and students may have to start the exam again. To request an unlisted calculator be added to this list contact the Faculty of Science office.

**Plagiarism and Cheating:** Plagiarism will not be tolerated in this course (either copying from outside sources or copying from another student). Any student found to be plagiarizing will receive a zero for the entire work containing plagiarism and may be reported to the academic integrity office. Cheating on any component of the course will not be tolerated. If a student is found to be cheating on a midterm/exam, they will receive a zero for that entire midterm/exam and would likely be reported to the academic integrity office. This could include (but is not limited to): use of cellphones, talking to or copying from other students, bringing any extra resources/material not approved by the invigilator, etc.

**Course & Instructor Evaluation:** The Student Evaluation of Teaching form will be filled in by the students during the last two weeks of the semester.
If you cannot fulfill any of the policies or procedures outlined in this syllabus, you should deregister from this course.