





## Grading scheme

<b>Component</b>	<b>%</b>	<b>Due Date</b>
Online Homework	10	Ongoing (Weekly)
Practical Activities	10	Ongoing (Weekly Practical)
Practical Quizzes	5	Pre-Practical
Formal Lab Reports	10	Week 8 & 12
Test 1	10	Week 6 (Tentative)
Test 2	20	Week 10 (Tentative)
Final Exam	35	

**Test 2 (20%)**

The second test will be scheduled tentatively during Week 10 and it will be 2 hours long. This test will feature the material from the lectures and textbook readings up to and including the discussions of Week 9. The questions and problems will also be based on the practical activities and online homework up to and including material due on Week 9. The format includes multiple-choice questions as well as detailed problems. The only aids allowed are your non-programmable scientific calculator, and a hand-written, double-sided, and letter-sized aid sheet. Photocopies or computer printouts are not allowed.

**Final Examination (35%)**

The final examination will be scheduled during the exam period of August 14- August 27. Material for the final examination will include all the topics discussed in the assigned textbook readings, lecture presentations, online homework, and practical sessions. The final examination will be 3 hours long and the format includes multiple-choice questions as well as detailed problems. The only aids allowed are your non-programmable scientific calculator, and a hand-written, double-sided, and letter-sized aid sheet. Photocopies or computer printouts are not allowed.

**Name and Student Number**

Any work you hand in must clearly indicate your name and student number, this includes practical activities, formal reports, tests, and the final exam. If we are unable to identify the work as yours, a grade of zero will be awarded.

**In-class Conduct**

Class starts at 10:10 am, and ends at 12:00 am on Tuesday and 11:00 am on Thursday. Late arrival or early departure from class is inappropriate and will be distracting for your classmate.

Regarding anything that you want to use in the classroom: if you are not using it to perform a task specifically related to what we are doing in class at that very moment, you must put it away. This includes but is not limited to cell phones, laptop computers, tablets, and other electronic devices.

Do not bring food into the classroom as this creates unwanted distractions that will negatively affect the learning environment. Be considerate to your peers.

**e-mail**

If you want to ask a question via email, please first check the various threads in the Discussions section of the course website. Quite likely, you are not the only person with that same question, and if that question has already been asked, you will find the answer there. If the question has not been asked, go ahead and post it yourself instead of sending it by email. This way you will also help other students facing the same issue. These discussions are monitored regularly by the course instructor and your peers, making it the best way of communicating for various queries of a diverse nature.

However, if these electronic forums are not the best place for your query, make sure you send your email from an official utoronto.ca address (e.g., your UTmail+ account), as all other addresses will be filtered out automatically. For a quicker response time include the code PHYA21 in the subject line of your message.

### **Absences**

In order to ensure fairness in the assessment of all students, there will be no makeup options for practical activities, formal reports, or the tests. In the case of a valid and documented problem that supports an absence to a practical session, the grade will be calculated on the basis of all other submitted work.

In the case of a valid and documented problem that supports an absence to the first test, the second test will have its weight increased accordingly. In the case of a valid and documented problem that supports an absence to the second test, the final examination will have its weight increased accordingly.

If the problem is health-  
Website.

### **Academic Integrity and Respect for the Academic Endeavor**

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring

academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The *Code of Behaviour on Academic Matters*:

<https://governingcouncil.utoronto.ca/media/15068/view>

outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

acknowledgment; submitting your own work in more than one course without the permission of the instructor; making up sources or facts; obtaining or providing unauthorized assistance on any assignment; clickers for participation grades.

On tests and exams: Using or possessing answers during an exam or test; misrepresenting your identity.

In academic work: Falsifying institutional documents or grades; falsifying or altering any documentation required by the University, including (but

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources (see <https://www.uts.utoronto.ca/vpdean/academic-integrity>).

## Class Schedule

This schedule is tentative and might change during the term in order to accommodate for variations in the lecture discussions in response to student performance and understanding of the various topics. Please note that it is your responsibility to read the assigned sections and chapters before each lecture.

The lecture discussions will not be a direct repetition of the basic material found in the textbook. Failing to complete the readings before each lecture will hinder your ability to understand the class discussions, as a minimum understanding of the basic concepts from the assigned readings will be assumed as the starting point for all lecture discussions.

Week	Tuesday 10-12 am	Thursday 10-11 am
May 10 May 12	Wave Speed Ch.16: 1 - 2 Jan. 09 Wave Interference Ch.16: 5	Standing Waves Ch.16: 7
May 17 May 19	Sound Waves Ch.17: 1 - 3 Intensity & Instruments Ch.17: 4 - 5	Beats & Doppler Effect Ch.17: 6 - 7
May 24 May 26	Electric Charge & Force Ch.21: 1 - 3 The Field Model Ch.22: 1	Field of Point Charges Ch.22: 2 - 3
May 31 June 2	Continuous Distributions Ch.22: 4 - 5 Motion in Electric Fields Ch.22: 6 - 7	Electric Potential Ch.24: 1 - 2
June 7 June 9	Potential of Point Charges Ch.24: 3 - 4 Continuous Distributions Ch.24: 5	Potential, Field & Energy Ch.24: 6 - 8
June 14 June 16	Capacitance & Dielectrics Ch.25: 1 - 5 Current Ch.26: 1 - 2, Resistance & Ohm's Law Ch.26: 3 - 5	<b>M M</b>
Reading Week	---	---
June 28 July 5	Circuit Laws Ch.27: 1 Resistor Circuits Ch.27: 2 - 3	RC Circuits Ch.27: 4
July 7 July 12	Magnetism Ch.28: 1 - 3 Magnetic Forces Ch.28: 4 - 8	Magnetism & Currents Ch.29: 1 - 5
July 14 July 19	Lenz & Faraday Ch.30: 1 - 2 Induced Fields Ch.30: 3 - 4	Electromagnetic Waves Ch.33: 1
July 21 July 26 **	Interference of Light Ch.35: 1 - 3 Diffraction Ch.36: 1 - 3	Simultaneity & Time Ch.37: 1
July 28 August 2	Time & Length Ch.37: 1 - 2 Lorentz Transformations Ch.37: 3	Addition of Velocities Ch.37: 4
August 4 August 9	Doppler for Light Ch.37: Relativistic Momentum Ch.37: 6	5 Relativistic Energy Ch.37: 6

\*\* Second Term test will be held on week 10 tentatively, The time and the place is TBD.