Instructor Office Phone E-Mail
Parisa Bohlouli PHY 260 39124 p2bohlou@uwaterloo.ca

Office hours: after class + Tuesdays 2:00 to 3:00, or make an appointment by email. The tutorials sessions on Mondays 4:30 to 5:20 also serve the normal purpose of office hours.

Teaching Assistants:
Huang, Heqing huan6220@gmail.com

Course Web site: learn.uwaterloo.ca
Discussion forums, Assignments, Solutions, Old Tests, and other information will be available on the course web site.

Older editions are satisfactory but references and problem numbers may be wrong.

Course Content

1. Wave Motion, Electromagnetic waves and nature of light (Chaps’ 2,3,4 ) ~ 2.5 weeks
2. Geometrical Optics, instruments, matrix treatment (Chap. 5,6) ~ 3 weeks
3. Superposition (Chap. 7) ~1 week
4. Interference (Chap. 9) ~2 weeks
5. Diffraction (Chap.10) ~2 weeks
6. Polarisation ~0.5 week

Not all of the material in each book chapter will be covered, and small amount of additional material will be studied

Weekly Assignments:

There will be 10 weekly assignments due on Tuesdays of each week at 4.00 pm to be dropped in the P256 slot just outside room P211A. The first assignment is due on Tuesday Sep 23rd. Solutions will be posted on LEARN after the due date.

Tutorials
A one-hour slot is scheduled on your timetable for tutorials. This is essentially a problem-solving session. Tutorials begin the week of Sep 15th. Each week’s assignment is discussed during the tutorial.
Graded assignments will ideally be returned the next tutorial session. Due to logistical considerations these will not be handed back personally, but will likely be placed in the classroom to be picked up. If you want your quizzes to be handed to you directly please ensure to inform your TA during the first tutorial.
Please note that
1. It is against University rules to pick up someone else’s assignment or quiz
2. Students who do not wish to pick up their assignment in the fashion described above need to inform the TA of their preference ahead of time and make acceptable arrangements with the TA.

Pop quizzes during the lectures:

In some lectures you will be asked to write short pop quizzes. The quiz would be from the material covered during the session. Pop quizzes will be marked and worth %3 bonus mark.

Midterm: Thursday October 16th, 7-9 m (location will be announced). Please let me know asap if you have permissible conflict.

- Equation sheet: you will be allowed to bring a sheet of equations in each of the exams. Please see the rules and templates on learn. If the sheet does not follow the guidelines it might be taken from the student near the beginning of the exam.

- You will be allowed to use a pink tie calculator with an approved sticker during the exams, please see the following link


Final Exam: To be arranged in December by registrar office

Course grading: Final exam: % 50
               Midterm: % 25
               Weekly assignment: %25
               Pop Quizzes: % 3

Academic Integrity and Plagiarism:

Academic Integrity:
In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check http://www.uwaterloo.ca/academicintegrity/ for more information.]

Grievance:
A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70, Student Petitions and Grievances, Section 4, http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm. When in doubt please be certain to contact the department’s administrative assistant who will provide further assistance.

Discipline:
A student is expected to know what constitutes academic integrity [check http://www.uwaterloo.ca/academicintegrity/] to avoid committing an academic offence, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism,
cheating) or about “rules” for group work/collaboration should seek guidance from the course
instructor, academic advisor, or the undergraduate Associate Dean. For information on
categories of offences and types of penalties, students should refer to Policy 71, Student
Discipline,
http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm. For typical penalties check
Guidelines for the Assessment of Penalties,

Appeals:
A decision made or penalty imposed under Policy 70 (Student Petitions and Grievances)
(other than a petition) or Policy 71 (Student Discipline) may be appealed if there is a ground.
A student who believes he/she has a ground for an appeal should refer to Policy 72 (Student

Note for Students with Disabilities:
The Office for Persons with Disabilities (OPD), located in Needles Hall, Room 1132,
collaborates with all academic departments to arrange appropriate accommodations for
students with disabilities without compromising the academic integrity of the curriculum. If
you require academic accommodations to lessen the impact of your disability, please register
with the OPD at the beginning of each academic term.

First year engineering website:
Please consult this website for a host of useful information including Counseling, and extra
help sessions.
http://www.eng.uwaterloo.ca/~year1web/