

PHYSICS 3600: OPTICS AND PHOTONICS I – WINTER 2019

INSTRUCTOR: Dr. T. Andrews

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AVAILABILITY FOR CONSULTATION

- In-person: Contact via e-mail address above or by any other means to set an appointment.
- E-mail: Contact at any time with course-related issues.

LECTURES: Slot 03 – Monday, Wednesday, Friday 10:00-10:50 AM

TEXT: Introduction to Optics by Pedrotti, Pedrotti and Pedrotti, 3rd edition, Pearson - Prentice Hall

PREREQUISITES: Mathematics 2000 and Physics 2055

COURSE DESCRIPTION ON DEPARTMENTAL WEBSITE

<http://www.mun.ca/physics/undergraduates/syllabus/p3600.php>

COURSE OUTLINE

- Geometrical Optics (~ 8 lectures)
- Interference (~ 6 lectures)
- Diffraction (~ 4 lectures)
- Maxwell's Theory and Polarization (~ 5 lectures)
- Fibre-optic Light Guides (~ 6 lectures)
- Modulation of Light Waves (~ 4 lectures)
- Optical Communication Systems (~ 1 lecture)

EVALUATION SCHEME

- Final Examination (3 hours) – 45%
- In-term Examinations (2) – 30%
- Assignments (~ 5) – 25%

The in-term examinations are tentatively scheduled for February 13th and March 20th.

A supplementary examination is **not** available in this course.

MISSED WORK

Students who cannot complete assignments or mid-term tests need to consult the University Calendar, Section **6.7.5 Exemptions from Parts of the Evaluation**, and speak to the instructor.

If a student cannot (for good cause) write an in-term examination, then the weight for the missed in-term examination will be added to the final examination weight. **No make-up tests will be given.**

USE OF RECORDING DEVICES IN CLASSROOMS

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IMPORTANT GENERAL INFORMATION FROM THE UNIVERSITY

It is the student's responsibility to acquaint herself/himself with these items. Please read.

3. Student Code of Conduct.

<http://www.mun.ca/student/conduct/>

6.8.2 Exemptions From Final Examinations

<http://www.mun.ca/regoff/calendar/sectionNo=REGS-0628>

6.12 Academic Misconduct

<http://www.mun.ca/regoff/calendar/sectionNo=REGS-0748>

Accommodations for Students with Disabilities

<http://www.mun.ca/blundon/accommodations/>