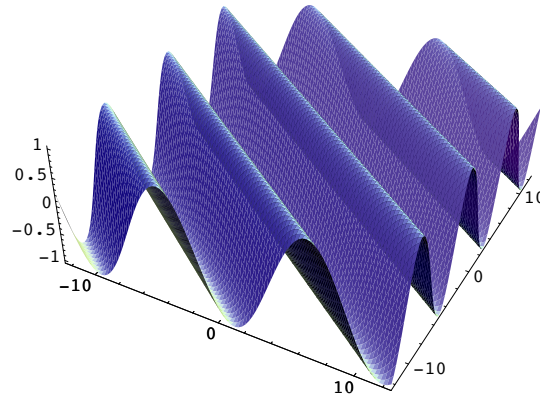


# PHYS 325 - Optics - 2017



**Lectures:** Elliott 061 Time: Tuesday, Wednesday and Friday, 11:30 - 12:20 PM  
Prof. G. M. Steeves, Elliott 116, tel. 721-7768, email: gsteeves@uvic.ca

**Office Hours:** Tuesday and Wednesday 2:45 - 3:30 or by appointment.

**Course Description:** Reflection and refraction at plane and spherical surfaces, thin lenses, lens aberrations, optical instruments, interference, diffraction, polarization.

**Course Prerequisites:** All of PHYS 216, MATH 204, MATH 211; or permission of the department.

## Course Text:

E. Hecht, Optics - 5th Edition, Addison Wesley, 2015.

Alternatives:

(Pedrotti)<sup>3</sup>, Introduction to Optics - 3rd Edition, Addison Wesley, 2006.

E. Hecht, Optics - 4th Edition, Addison Wesley, 2002.

## Course Assessment:

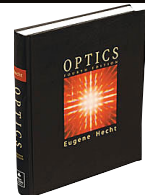
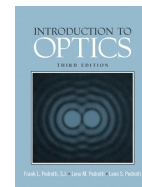
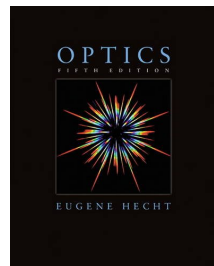
Laboratory: 15%

Assignments: 15%

Research Project / Poster Presentation: 15%

Midterm: 15%

Final: 40%



## Research Project / Poster Presentation:

Students will complete a research project on an optics topic of their choosing and present their project during the P325 Poster Session on March 31st. A list of suggested topics will be provided, or you can suggest your own research topic for approval. A one page individual outline of the poster will be due on March 10th (worth 20% of the poster grade or 3% of the final grade). Students will present their research project as a poster.

## Midterm Exam:

The midterm exam is a 50 min, in-class exam scheduled for February 24, 2017.