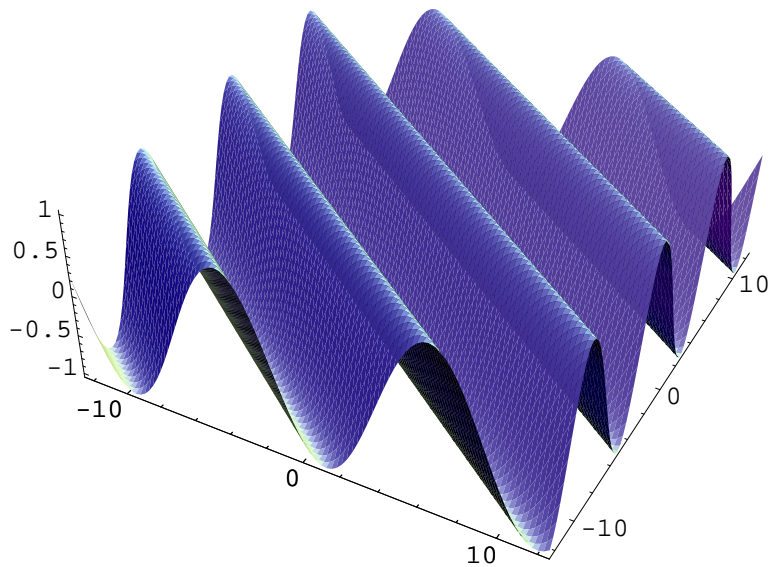


Optics

January 7, 2014



1 Overview

Physics 325

Lectures: Elliott 160 Time: Tuesday, Wednesday and Friday, 12:30 - 1:30 PM

Prof. G. M. Steeves, Elliott 116, tel. 721-7768, email: gsteeves@uvic.ca

Office Hours: Tuesday and Friday 2:00 - 3:00 or by appointment.

Course Description:

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

Course Prerequisites:

Physics 326 or equivalent; Math 200 and 201.

Course Text:

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

Course Assessment:

Laboratory: 10%

Assignments: 15%

Midterm: 20%

Research Project: 15%

Final: 40%

Assignments:

There will be approximately 10 assignments given out during the course. Assignments are to be handed in by 10:00 PM on their due date. Assignments up to one day late will be accepted with a 20% penalty. Assignments will not be accepted past this point.

Research Project:

Students will complete a research project on an Optics topic of their choosing. A list of suggested topics will be provided, or you can suggest your own research topic for approval. Students will present their research project as a poster.

Final Letter Grades:

The Department of Physics and Astronomy conversion between numerical and letter grades will be applied.

A+	A	A-	B+	B	B-	C+	C	D	F
90-100	85-89	80-84	77-79	73-76	70-72	65-69	60-64	50-59	0-49