Physical Optics I, OPTI 210

Instructor: Professor Miroslav Kolesik

January 14, 2020

TIME AND PLACE: Classes are from 11:30-12:45 am each MW in Rm. 305. The first lecture will be on Wednesday January 15th, 2020. There will be no roll call for attendance, and you are responsible for catching up with material covered in class due to missed lectures. All cell phones, beepers etc. should be turned of during class.

OFFICE HOURS: Office hours in OSC Rm. 538 from 13:00-14:00 each Monday and Wednesday. More generally, an appointment can be made to discuss Opti 210 related issues either by phone 621-4602, or by email kolesik@optics.arizona.edu. Information pertaining to the class will be posted on my webpage
http://acms.arizona.edu/FemtoTheory/MK_personal/opti210/opti-210.html

EXAMS: There will be two in-class, closed book and notes, midterm exams each accounting for 20% of the final grade, and a closed book and notes final exam accounting for 30% of the final grade on Monday May. 6 from 10:30-12:30 pm. A missed test may be made up, but only with a written medical excuse or family emergency (made known to me before the test is given). NO OTHER EXCUSES will be accepted.

Calculators (with no text stored) may be used during the tests and final exam. No other form of electronic device may be used (no computers). Cell phones are absolutely prohibited during tests and the final exam.

HOMEWORK:
Homework will account for 30% of the final grade. There will typically be a homework set assigned each week, the homework being made available as a pdf file through my web page
http://acms.arizona.edu/FemtoTheory/MK_personal/opti210/opti-210.html.
The problems are designed to have you explore the material covered during the preceding week. Some problems will involve plotting examples of important formulae using Matlab (or any other software). Solution sets will also be posted on my webpage.

HOMEWORK FORMAT:
The homework problems are designed to teach you the topics covered in class by challenging you to solve problems that will require you to explore and use the material covered in class. Each student must submit an *independent* and *structured* solution set that clearly displays you have understood the problem and its solution. A badly structured solution set that nonetheless leads to a correct final answer may well get a worse grade than a well organized solution set that conveys that the student has understood the problem and its solution but goes astray and leads to a wrong answer. Poorly legible solution sets will not be assigned a score (the same goes for exams).

HOMEWORK LATE POLICY:
All homework is due at the beginning of class (11:30am) on the due date. Anything turned in after that will be considered late (unless specified otherwise).

Late homework may be turned in as late as the beginning of the next class after which it was originally due, but NO LATER since the solution sets will be made available at that time. (Work due on a Wednesday may be turned in as late as the start of class the next Friday. Work due on a Friday may be turned in as late as the start of class the next Monday, at the main lecture). The maximum attainable grade for late homework is 50%.

HOMEWORK GRADERS:
Amanda Chatterton
achatterton@optics.arizona.edu

GRADING:
An A grade will be awarded for an overall score between 100-90%, a B grade for 89-75%, a C grade for 74-60%, a D grade for 59-50%, and an E grade for 49% or less.

BOOKS AND CLASS NOTES:
Required books are

- E. Hecht, Optics (4th Edition).
- G. R. Fowles, Introduction to Modern Optics (2nd Edition).