

OPTI 201R
Geometrical and Instrumental Optics I
Class Policies

Lecture: T-Th, 8:00 – 9:15 am, Meinel Building, Room 307

Class Recitation Times: TBA...

Instructor: Jim Schwiegerling, PhD
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Teaching Asst: TBA...

Phone:

Email:

Office Hours:

Objectives:

This course will teach the student four main factors relating to image formation in geometrical optics:

- Refraction and Reflection
 - Beam Steering
 - Image Spatial Location and Size
 - Paraxial Raytracing
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Textbook:

- No required text for the course

Class Notes:

- (Required) Course notes are available at Fast Copy

Note: some of these notes may carry over into the spring semester course OPTI202R.

Suggested Reading: (These books are on reserve in the Optical Sciences Library):

- John E. Greivenkamp, Field Guide to Geometrical Optics (SPIE Press)
- Warren J. Smith, Modern Optical Engineering (SPIE Press)
- Eugene Hecht, Optics (Addison-Wesley Publishing Company)

Grading:

- 10-15 Pop Quizzes = 10%
- 2 Midterm Exams: 20% each = 40%
- Problem Sets (Homework): 25%
- Final Exam: 25%
- Final grading will be done on a curve.
- ***Corrections to errors in grading will only be considered within one week following the return of the homework assignment or exam.***

Homework:

- Homework assignments and their DUE dates will be posted on our on-line Syllabus.
- (New homework sets will NOT be handed out in class on paper, only electronically through our on-line Syllabus). You will have (a minimum) of one week to do each homework set.
- Homework will be collected at the start of class on the DUE date.
- Homework turned in after it has been collected will not be accepted, unless accompanied by a written letter from a doctor or a hospital. NO exceptions.
- You may work with other classmates on the homework sets. In fact, this is encouraged. However, be sure that you really understand and actually learn the material—all exams must be your own work!

Quizzes:

- Quick quizzes will be given during the first 2-3 minutes of random classes throughout the semester. There will be a total of about 10-15 quizzes.
- The purpose of the quizzes is to monitor basic material understanding as well as to promote on-time class attendance.

- Misses quizzes cannot be made up. If you have an unavoidable absence, make sure to inform the instructor prior to class.

Classroom Policies:

- Turn off all cell phones.
- No talking during class, unless for class participation!
- No food in the classroom, please.
- The only electronic device allowed during the exams will be a calculator. Any student who uses any other electronic device (laptop, cell phone, cell phone camera, etc.) will receive a zero (0%) for that exam.

Attendance Policy:

It is important to attend all classes, as what is discussed in class is pertinent to adequate performance on assignments and exams. If you must be absent, it is your responsibility to obtain and review the information you missed. Unannounced quizzes will be given to encourage attendance, and to help you gauge your progress in learning the material.

If you miss the midterms or final exam, they may not be made up unless you have a documented medical or family emergency.

Academic Integrity:

The University of Arizona Code of Academic Integrity may be found on the Dean of Students website at: <http://deanofstudents.arizona.edu>

“Integrity is expected of every student in all academic work. The guiding principle of academic integrity is that a student’s submitted work must be the student’s own.” Unless otherwise noted by the instructor, work for all assignments in this course must be conducted independently by each student. CO-AUTHORED WORK OF ANY KIND IS UNACCEPTABLE. Misappropriation of exams before or after they are given will be considered academics misconduct.”

Misconduct of any kind will be prosecuted and may result in any or all of the following:

- Reduction of grade
- Failing grade

- Referral to the Dean of Students for consideration of additional penalty, i.e. notation on a student's transcript regarding an academic integrity violation, etc.

Students with a Learning Disability:

If a student is registered with the Disability Resource Center, he/she must submit appropriate documentation to the instructor if he/she is requesting reasonable accommodations.

(<http://drc.arizona.edu/drc/accommodations.html>).