OPTI 512R Overview

OPTI 512R is an engineering course that is designed to introduce concepts in Linear System theory and Fourier Optics. The goal of the class is to provide understanding of the mathematics behind linear systems and Fourier transforms and be able to apply these skills to a wide variety of applications in optics including wave propagation and image quality assessment.

**Instructor**
Jim Schwiegerling  
(jschwieg@u.arizona.edu)  
(520) 621-8688

**Course Web Site**
https://wp.optics.arizona.edu/visualopticslab/opti-512r-linear-systems-fourier-transforms/

**Tests**
Midterm          October 14, 2020, 24-hour take home  
Final Exam       Between December 11-17, 2020, 24-hour take home exam

**Grading**
Homeworks       30% (8-10 homeworks)  
Midterm          35%  
Final Exam       35%

Homework grades will be decreased by 10% for each day they are late.

**Teaching Assistants**
Jingwei Zhao zjw2213@email.arizona.edu  
Chiao Huang chiaohuang@email.arizona.edu

**Office Hours:** No specific office hours. Coordinate with the TA and the instructor through email to arrange meeting times to answer questions regarding the course material.

**Suggested Texts**
