

2013

113-01 Color and Images

Jeff Stapleton
stapletonj@xavier.edu

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Color and Images

PHY 113

M 8-10, LND 201

Instructor: Mr. Stapleton

Office: 745-3622

Phone:

E-Mail: stapletonj@xavier.edu

Office Hours: By appointment.

PHY 113 is a one credit hour lab course to be taken concurrently with PHY 112. The topics covered in the lab sometimes complement the lecture, but some topics are independent material. This course can be used for partial fulfillment of your Core Science requirements.

Schedule (subject to change)

Week

1. Plane Mirror
2. Pendulum
3. Curved Mirror
4. Refraction
5. Lenses (Formal)
6. Midterm Exam
7. Photography Project Instructions
8. Color Printing
9. Model of the Eye (Formal)
10. Telescope
11. Double Slit Interference
12. Diffraction and Spectra
13. Make-up Lab (Max. of one)
14. Final Exam

Grading: Semester grades will be based on:

Lab Memos (nine)	30 points	270
Quizzes	10 points each	
Extended lab Reports (one)	50 points each	50
Photography Project	100 points	100
Two Exams	100 points each	<u>200</u>
Total		620 + Quizzes

Grades will be assigned on the following scale:

	87-89 B+	77-79 C+	67-69 D+
93-100 A	83-86 B	73-76 C	63-66 D
90-92 A-	80-82 B-	70-72 C-	60-62 D-

Lab Exams: You are expected to understand the concepts behind each lab, as well as the procedures used. You must also understand any graphs used in the labs. Both exams will be multiple choice and closed book.