

# PHYSICS 112 COURSE INFORMATION

**INSTRUCTOR:** Prof. Erlend Graf

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**LECTURE:** Tu-Th 12:50 – 2:10 p.m., room 069, Earth & Space Sciences building.

**TEXT:** Falk, Brill and Stork, *Seeing the Light*.

**MAIN TOPICS:** The course will cover material presented in Chapters 1 through 15 of the text. Main topics are geometrical optics, reflection, refraction, mirrors, lenses, optical instruments, the human eye, the camera, polarization of light, wave nature of light, color, interference, diffraction and the quantum nature of light.

**HOMEWORK:** Assignments will be made each meeting, to be prepared for the following class meeting.

**EXAMS:** Midterm exams on Thursday, March 13 and Thursday, April 17.  
A comprehensive final exam on Thursday, May 15, 11:00 a.m. – 1:30 p. m., RTBA.

**GRADING:** The course grade will be based on:

Midterm exams -	30%
Final Exam -	30%
Homework -	30%
Attendance -	10%

## **Americans with Disabilities Act:**

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

## **Academic Integrity:**

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>

**Critical Incident Management:**

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn.