# PHY/ENS 119 COURSE SYLLABUS

**INSTRUCTORS:**

Prof. Erlend Graf Lab TAs: TBA

Office: B-101, Lab: A-128, Physics Phone: 632-8173, 632-8069

[Erlend.Graf@stonybrook.edu](mailto:Erlend.Graf@stonybrook.edu)

**LECTURE:**  MWF 12:00 – 12:53 pm, Room 201, Heavy Engineering

**LABORATORY:** Weekly, (check lab sec. no.), in room A-121 Physics.

Descriptive handouts will be available prior to each lab. Lab

Notebooks (National Engineering and Science Notebook, #33-610)

should be available in the bookstore. **No labs until week of 1/29.**

**TEXT:** Kirkpatrick & Francis, *Physics: A Conceptual World View,* 7th ed.

**MAIN TOPICS:** The course will covermaterial presented in selected chapters

of the text. Main topics will include units and measurement,

kinematics, Newton’s laws, work, potential and kinetic energy,

momentum, conservation laws, gravitation, fluids, heat, electricity

and magnetism, periodic motion and waves, sound, light, atomic and

nuclear physics.

**HOMEWORK:** Assignments will be made periodically, to be turned in for grading.

**EXAMS:** Two midterm exams, Friday March 22, and Friday April 26. A comprehensive final exam on Wednesday, May 15, 11:15 am – 1:45 pm, details TBA.

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

Midterm exams - 30%

Final Exam - 30%

Lab Work - 30%

Homework - 10%

**Note however,** students with a failing average in the exams cannot

pass the course, no matter what their lab/homework grades may be.

###### **Student Accessibility Support Center Statement**

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or via e-mail at:  **sasc@stonybrook.edu**. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

###### **Academic Integrity Statement**

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 is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at [http://www.stonybrook.edu/commcms/academic\_integrity/index.html](https://www.stonybrook.edu/commcms/academic_integrity/index.html)

###### **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 University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.