# PHY/ENS 119 COURSE SYLLABUS, SPRING 2023

**INSTRUCTOR:** Prof. Erlend Graf (Lecture), [erlend.graf@stonybrook.edu](mailto:erlend.graf@stonybrook.edu)

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**LECTURE:**  MWF, Room 201 Heavy Engineering, 11:45 am – 12:40 pm.

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

Descriptive handouts will be posted prior to each lab.

**No labs until week of Jan 30.**

**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, heat, fluids, 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 3, and Friday April 21. A comprehensive final exam on Friday, May 12, 11:15 am – 1:45 pm, RTBA.

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

Midterm exams - 30%

Final Exam - 30%

Lab Work - 30%

Homework - 10%

**Note however,** students must have a passing average in the exams to

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

**STUDENT ACCESSIBILITY SUPPORT CENTER (SASC) STATEMENT:**

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Student Accessibility Support Center, (631) 632-6748, [SASC@stonybrook.edu](mailto:SASC@stonybrook.edu). They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.  
Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: http://www.stonybrook.edu/ehs/fire/disabilities ]

**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 are 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/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. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.