Course Syllabus
PHY114: Electromagnetism, Waves and Radiation for Sports Science

Week 1: Introduction/Orientation
       Ch. 8: Elasticity and Waves; Sound
Week 2:  Ch. 8
Week 3:  Ch. 10: Introduction to Electricity and Magnetism
Week 4:  Ch. 10
Week 5:  Ch. 11: Simple Electric Circuits
       Midterm Exam 1
Week 6:  Ch. 11
       Ch. 12: Electrical Safety
Week 7:  Ch. 14: Geometric Optics
Week 8:  Ch. 14
       Ch. 15: Vision
Week 9:  Ch. 15
       Ch. 16: Electromagnetic Radiation: Introduction to Modern Physics
Week 10: Ch. 16
       Midterm II
Week 11: Ch. 16
       Ch. 17: Atomic Physics
Week 12: Ch. 17
Week 13: Ch. 18: Radioactivity and Nuclear Physics
Week 14: Ch. 18/Summary/Review

Textbook:
P. P. Urone, “Physics with Health Science Applications”, Wiley
ACADEMIC INTEGRITY SYLLABUS 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. Any suspected instance of academic dishonesty will be reported 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/

- Adopted by the Undergraduate Council September 12, 2006

CRITICAL INCIDENT MANAGEMENT

Statement regarding the instructor's responsibility to report behavior that interrupts the learning process, inhibits instructor’s ability to perform his/her duties, or compromises the safety of other students:

Stony Brook University expects students to maintain standards of personal integrity that are in harmony with the educational goals of the institution; to observe national, state, and local laws and University regulations; and 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, and/or inhibits students’ ability to learn.