Syllabus: Physics 114 Spring 2013
Electromagnetism, Waves and Radiation for Sports Science
Rm D122 Physics, MW 4:00-5:20pm

Instructor: Prof. Thomas Kuo, C-137 Physics, 631-632-8125, thomas.kuo@stonybrook.edu

Exams: Mid-term 1: 2.27.2013 Wed D122 4:00-5:20pm
Mid-term 2: 4.8.2013 Mon D122 4:00-5:20pm
Final: 5.13.2013 Mon 8:30pm-11:00pm (room tba)

Homeworks: Assigned and collected weekly

Textbooks:
Urone: Physics with Health Science Applications (Wiley)
Giancoli: Physics Principles with Applications (Vol. II) (Printice Hall)

Weeks 1-5, 1.28-3.1.2013, class starts on 1.28.2013
Electricity and Magnetism, Coulomb force, electric field...
Urone Chapters 8-12
Giancoli Chapters 16-20

Weeks 6-11, 3.4-4.12.2013
Electromagnetic induction, waves, sound, light and optics...
Urone Chapters 14-16, 9
Giancoli Chapters 21-25

Weeks 12-15, 4.15-5.10.2013
Atomic, nuclear and particle physics, radiation, relativity...
Urone Chapters 17-18
Giancoli Chapters 27-28, 30-32, 26

We will be working hard. I will help you. And we will have fun.