PHYSICS 302 ELECTROMAGNETIC THEORY II
Spring 2008

Monday, Wednesday, Friday, 11:45 AM – 12:40 PM, Room: P122

Instructor: Dmitri Averin, dmitri.averin@stonybrook.edu
office hour: Wednesday 12:50 AM – 2:00 PM, B-140

Textbook: D.J. Griffiths, “Introduction to electrodynamics”.

Material covered: Chapters 8-12 of Griffiths, i.e.,
some of the basic applications of Maxwell equations, including
— “mechanical” properties of electromagnetic filed:
  energy, momentum, and angular momentum,
— electromagnetic waves;
— radiation;
— potentials;
plus more advanced material:
— special relativity;
— (time permitting) elements of general relativity.

Grading
Homework  30%
Midterms  20%+20%
Final  30%
DSS STATEMENT:

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services (631) 632-6748 or http://studentaffairs.stonybrook.edu/dss/. They will determine with you what accommodations 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/asp.

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 instance 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, and/or inhibits students' ability to learn.