

Instructor:	Subhadeep Gupta (deepg@uw.edu)
Lectures:	Tuesdays and Thursdays 9:00-10:20 am, Rm A118 Phys/Astr Building (A-wing)
Office:	B428 Phys/Astr Building (616-9649)
Office Hour:	Wednesday 2-330 pm in B428 (or by appointment, please email)
Tutorial Website:	http://depts.washington.edu/uwphyttl/tiap/EM/323/
TA's:	Bert Xue (Tutorial Head TA, bertx@uw.edu), Raahul Buch (raahub@uw.edu), Sheh Lit Chang (shehlit@uw.edu), Tun Sheng Tan (tunsheng@uw.edu), Shifeng Zhu (sfzhu@uw.edu)
Textbook:	David Griffiths, <i>Introduction to Electrodynamics</i> , fourth edition
Homework:	HW problems will be assigned each week, to be worked out completely and handed in during class on (typically) Thursday of the following week. You may also turn in your HW to the instructor's mailbox in the Physics main office. A portion of each week's HW assignment will be graded. Late HWs will be given a score of zero. There will be no HW assigned during exam weeks (see schedule).
Exams:	There will be three midterm exams and no traditional final exam (see course schedule). The exams will be in A118 and will be closed book. You will be provided an equation-sheet containing all relevant formulae. There will be no make-up exams. You may return an exam for regrading within one week after it was distributed, but you must attach a brief statement explaining the possible error in the original grading.
Course grade:	20% of your grade is assigned to each of Homework, Exam 1, Exam 2, Exam 3, and Tutorial ("Quiz Section").
Course Website:	http://faculty.washington.edu/deepg/phys323/ Homework solutions will be made available the day after the due-date.

If you would like to request academic accommodations due to a disability, please contact Disability Resources for Students, 011 Mary Gates, 543-8924, uwdrs@uw.edu, and inform me (the instructor) so we can discuss the accommodations you might need for class.

Week	Date	Topic	Text Reading
1	Mar 28	Absorption and Dispersion	9.4.1, 9.4.2
	Mar 30	Electron theory of materials	9.4.3
2	Apr 4	Guided waves	9.5.1, 9.5.2
	Apr 6	Coaxial lines and resonant cavities	9.5.3
3	Apr 11	Optical cavities	special topic
	Apr 13	Potential formulation and gauges	10.1.1, 10.1.2
4	Apr 18	Lorentz gauge. Canonical momentum	10.1.3., 10.1.4
	Apr 20	First Exam	
5	Apr 25	Retarded and advanced potentials	10.2.1, 10.2.2
	Apr 27	Leinard-Weichert potentials	10.3.1, 10.3.2
6	May 2	Radiation. Electric dipole radiation	11.1.1, 11.1.2
	May 4	Magnetic dipole radiation	11.1.3, 11.1.4
7	May 9	Power radiated by a point charge	11.2.1
	May 11	Second Exam	
8	May 16	Radiation reaction	11.2.2, 11.2.3
	May 18	Special topic (TBD)	special topic
9	May 23	Begin special relativity	12.1, 12.2
	May 25	Transformation of fields	12.3.1, 12.3.2
10	May 30	Tensor form of electrodynamics	12.3.3, 12.3.4, 12.3.5
	Jun 1	Final Exam	