

- 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 2-3 pm in B428 (or by appointment, please email)
- Tutorial Website: <http://depts.washington.edu/uwphyttl/tiap/EM/322/>
- TA's: Bert Xue (Tutorial Head TA, bertx@uw.edu).
- Textbook: David Griffiths, *Introduction to Electrodynamics*, 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 two midterm exams and a two-hour final exam (see course schedule). Each of these three 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, Final, and Tutorial ("Quiz Section").
- Course Website: <http://faculty.washington.edu/deepg/phys322/>
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	Jan 3	Lorentz Force Law, Biot-Savart Law	5.1,2
	Jan 5	Divergence and curl of B	5.3
2	Jan 10	Magnetic Vector Potential	5.4
	Jan 12	Magnetization	6.1
3	Jan 17	Field of a magnetized object	6.2
	Jan 19	The field H	6.3
4	Jan 24	Linear and non-linear materials	6.4
	Jan 26	First Exam	
5	Jan 31	EMF	7.1
	Feb 2	Electromagnetic induction	7.2
6	Feb 7	Maxwell's Equations	7.3
	Feb 9	Charge and Energy	8.1
7	Feb 14	Momentum	8.2
	Feb 16	"Magnetic forces do no work"	8.3
8	Feb 21	Waves in 1D	9.1
	Feb 23	Second Exam	
9	Feb 28	Electromagnetic waves in vacuum	9.2
	Mar 1	Electromagnetic waves in matter	9.3
10	Mar 7	Absorption and Dispersion	9.4
	Mar 9	Guided waves	9.5
11	Mar 15	Final Exam	