

# Physics 305 – Advanced Electricity and Magnetism II

## Spring, 2020

Zoom: Monday, Wednesday, Friday 11:30 – 12:20

Professor:	Dr. Carl Gagliardi	
Office:	334 Cyclotron Institute (Luedecke Building) 979-845-1411	
E-mail:	<a href="mailto:cgggroup@comp.tamu.edu">cgggroup@comp.tamu.edu</a>	
Web page:	<a href="http://cyclotron.tamu.edu/gagliardi/P305S20.html">http://cyclotron.tamu.edu/gagliardi/P305S20.html</a>	
Office hours:	E-mail me with available times and I will schedule a zoom session for us.	
Required Textbook:	<i>Introduction to Electrodynamics</i> , 4 <sup>th</sup> ed., by David J. Griffiths	
Prerequisite:	PHYS 304 or equivalent	
Objective:	You will gain an understanding of electromagnetic phenomena in the presence of time-dependent charge and current distributions.	
Material:	The class will cover most of the material in Chapters 7-12 of Griffiths, plus selected topics from Chapters 5 and 6.	
Honors students:	You will be assigned a topic that is not described well in Griffiths, then research the topic and lecture about it to the entire class.	
Homework:	Homework assignments will usually be posted on Wednesday and be due in eCampus the following Wednesday.	
Grading:	Homework	15%
	Exam 1, Thursday 2/20, 7 – 9 pm, MPHY 213	25%
	Exam 2, Thursday 4/16, 7 – 9 pm, procedures TBA	25%
	Final Exam, Tuesday, May 5, 10:30 am – 12:30 pm, procedures TBA	35%
Grade scale:	No more strict than: A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: below 60.	
Make-up policy:	If you miss an exam for a University-excused reason (see <a href="http://student-rules.tamu.edu/rule07">http://student-rules.tamu.edu/rule07</a> ), you should notify me in advance (if possible) or no later than 48 hours afterwards. [For illness, you must provide confirmation of visit to a health care professional affirming date and time of visit.] You will then be given a make-up exam. If you miss a homework assignment for a University-excused reason, you will be given the opportunity to turn it in, with no penalty, when you first return to class.	

**ADA statement:** Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources in the Student Services Building or at (979) 845-1637 or visit <http://disability.tamu.edu>. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

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not want the disclosed information to be shared:

- Allegations of sexual assault, sexual discrimination, or sexual harassment when they involve TAMU students, faculty, or staff, or third parties visiting campus.

These reports may trigger contact from a campus official who will want to talk with you about the incident that you have shared. In many cases, it will be your decision whether or not you wish to speak with that individual. If you would like to talk about these events in a more confidential setting, you are encouraged to make an appointment with the Student Counseling Service (<https://scs.tamu.edu/>). Students and faculty can report non-emergency behavior that causes them to be concerned at <http://tellsomebody.tamu.edu>.

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