Syllabus for General Physics II, PHYS 212X

Fall 2020

Lecture
MWF 5:50-6:50 PM, REIC 201

Laboratory
REIC 257
F01, 74864, W 2:15-5:15 PM
F02, 74865, R 2:15-5:15 PM

Course:	**PHYS 212X**
CRN:	74867 FE1
Course Type:	In person classroom teaching and Laboratory
Instructor:	Ataur R. Chowdhury
Office:	REIC 118
Office Hours:	MW 4:00-5:30 PM
Contact:	Phone (907) 474-6109
	Fax (907) 474-6130
	Email archowdhury@alaska.edu

Prerequisites: Concurrent enrollment in MATH 202X; PHYS F211X or ES 208 or concurrent enrollment in ES 210; placement in ENGL F111X or higher; or permission of instructor.

Texts: Physics for Scientists and Engineers: A Strategic Approach, Randall D. Knight, 34th Edition, Pearson.

Course Objectives: To acquire a basic understanding of (i) the fundamentals of heat and thermodynamics; (ii) the concepts of electricity and magnetism; and (iii)

Course Outline: **Heat**, **temperature**, **laws of thermodynamics**,   ,
Law, electrical potential,

Syllabus

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Course Evaluation:

final, and will be weighted as follows.

Homework	15%
Lab	15%
Paper	10%
Participation	12%
Midterm	2 x 14%
Final	20%
Total	100%

The final grading for this course will be based on a curve. For a given score, your letter grade will not be lower than what it would be expected based on standard grading scale (90-100 = A, 80-90 = B, etc.). Allowed grades are limited to letter grades A,B,C,D,F,I,BN, and no plus-minus grades will be given for this course.

ary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for

the course during the regular semester. Negligence or indifference are not acceptable reasons for

Student Protections and Services:

Because of COVID-19, University has put in place some mandatory procedures to adhere to. All student are encouraged to observe these rules to ensure a safe environment for all of us for a successful fall semester. I request all of you to do the following:
1) Wear mask during class,
2) Maintain social distancing in class,
3) Use designated doors for entering and exiting,
4) Try to sit at the same place in class (for tracing),
5)

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report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: bour roo G7dd4eW(')9(g)4(o)-5(t)-3(h)3(e)9(

9	**Midterm II**	**Ch (24-28) 0000912 0 612 792 reW*92 reW**
11		Ch 29: sections 4-6
13	electric force and torque	Ch 29: sections 7-10
16	em	Ch 30: sections 1-4
18		Ch 30: sections 5-7
20	induced current, inductors	Ch 30: sections 8-10
	Paper Due	
23	em waves	Ch 31: sections 1-5

25 0000912 0 612 792 reW*92 reW*0.00000912 0 612 792 re2

0000918 0 610 792 792 reW*92reW*62BBOG 0.0000009210 612 792reWWiBBTVF284reW*nBT12 Tf37 n4 5