



PHYSICS 212

REIC 201A // MWF 5:50-6:50 // Aug28-Dec16

Instructor: Taylor Connor (Doc C)

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Office Hours:

Monday 5:00-5:50pm

Wednesday 5:00-5:50pm

Friday 5:00-5:50pm

Additionally: The help room (122REICH) and will be staffed as posted on this door.

Homework: Due Each Friday after class. Place your homework in the appropriate box in the Physics Department Office.

Quizzes: ~10 short quizzes will be given in class on Fridays. They will be closed book and no calculators allowed (or needed). All difficult formulas needed will be given. The quiz will be related to the homework due that day.

Project: There will be a project due worth a maximum of approximately 10% of the course grade. They must be emailed to me by November 27th They will be graded both for presentation and content. More information will be forthcoming.

Labs: There is a lab associated with this course. ALL labs and reports must be completed to get a passing grade for the lab. Labs may only be made up if excused and with permission of the course instructor.

A PASSING GRADE IN THE LAB IS NECESSARY TO PASS THE COURSE.

Special Needs: The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.

Grading: The course grade will consist of the following components:

2 hour exams	30 %
Final exam	25 %
Homework	10 %
Quizzes	10 %
Project	10 %
Lab	15 %

Monday (5:50-6:50)	Tue	Wednesday	Thu	Friday
Aug 28 Temperature Chapter 16 Lab 1 - Uncertainty	29	30 Chapter 16	31 HW #1	Sep 1 First Law of Ther Chapter 17

Homework 1 due 9/1/17

Chapter 16 Conceptual Questions - 1, 4, 5, 7, 12: Exercises and problems - 1, 5, 11, 12, 15, 17, 22, 30, 31, 52

4 Labor Day Lab 1 - Uncertainty	5	6 Chapter 17	7 HW #2	8 Ideal Gases Chapter 18 Quiz 1
11 Chapter 18 Lab 2 - Latent Heat	12	13 Second Law Chapter 19	14 HW #3	15 Chapter 19 Quiz 2
18 Chapter 19 Lab 3- Thermal	19	20 Electrostatics Chapter 25	21 HW #4	22 Chapter 25 Quiz 3
25 Potential Field Chapter 26 Lab 4 - Heat Engine	26	27 Chapter 26	28 HW #5	29 Gauss's Law Chapter 27 Quiz 4
Oct 2 Chapter 27 Lab - REC	3	4 Electric Potential Chapter 28	5 HW #6	6 Exam Unite 1
9 Chapter 28 Lab 5-Coulomb's Law	10	11 Capacitance Chapter 29	12 HW #7	13 Chapter 29 Quiz 5
16 Chapter 29 Lab 6- Equipotentials	17	18 Current Chapter 30	19 HW #8	20 Chapter 30 Quiz 6
23 DC Circuits Chapter 31 Lab 7 - Capacitance	24	25 Chapter 31	26 HW #9	27 Chapter 31 Quiz 7
30 Magneticism Chapter 32 Lab 8 - DC Circuits	31	NOV 1 Chapter 32	2 HW #10	3 Chapter 32 Quiz 8
6 Chapter 32 Lab - REC	7	8 Chapter 32	9 HW #11	10 Exam Unit II
13 Magnetic Fields Chapter 32 Lab 9 - Current	14	15 Chapter 32	16 HW #12	17 Chapter 32 Quiz 9
20 Induction Chapter 33 Lab -Make-up	21	22 Chapter 33	23	24 Thanksgiving
27 Chapter 34 Lab 10 -Charge/Mass Project Due	28	29 AC Ciruits Chapter 35	30 HW #13	Dec 1 Chapter 35 Quiz 11
4 Chapter 35	5	6 Final Exam	7	8 Chapter

Homework 1 due 9/1/17

Chapter 16 Conceptual Questions - 1, 4, 5, 7, 12: Exercises and problems - 1, 5, 11, 12, 15, 17, 22, 30, 31, 52