PHYSICS 115
REIC 202 // TR 5:20-6:50 // Jan16-May5

Instructor: Taylor Connor (Doc C)
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Office Hours:

Tuesday 4:00-5:20pm
Thursday 4:00-5:20pm
Additionally: The help room (122REICH) and will be staffed as posted on this door.

Book: Physics of Everyday Phenomena, 8e by Griffith
Homework: Due each Monday before the Physics office closes. Place your homework in the appropriate box in the Physics Department Office.

Quizzes: Each class will begin with a one question Quiz, for two questions per week. Your two answers will be collected after the Quiz on Thursday.

Project: There will be a project due worth a maximum of approximately 10% of the course grade. They must be emailed to me by April 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:

Midterm	20 %
Final exam	20 %
Homework	20 %
Quizzes	10 %
Project	10 %
Lab	20 %

Mon	Tue (5:20-6:50)	Wes	Thu (5:20-6:50)	Fri
Jan 15	**16** **Ch 1: Sec 1-5** **Introduction to Physics**	**17**	**18** **Ch 2: Sec 1-3** **Importance of Definitions** **Speed vs Velocity**	**19**
22	**23**	**24**	**25**	**26**

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HW 1 Due **Lab: Math Rev**	**Ch 2: Sec 4-5** **Acceleration**		**Ch 3 Sec 1-3** **Gravity**	
29 **HW 2 Due** **Lab: Accelerati**	**30** **Ch 3: Sec 4-5** **Projectile Motion**	**31**	**Feb 1** **Ch 4: Sec 1-4** **Newton's Laws**	**2**
5 **HW 3 Due** **Lab: Simple Pe**	**6** **Ch 4 Sec 5** **Applications of Newton**	**7**	**8** **Ch 5: Sec 1-2** **Centripetal**	**9**
12 **HW 4 Due** **Lab: Force**	**13** **Ch 5: Sec 3-5** **Planetary Motion**	**14**	**15** **Ch 6: Sec 1-2** **Work And Power**	**16**
19 **HW 5 Due** **Lab:Centripetal**	**20** **Ch 6: 3-5** **Energy**	**21**	**22** **Ch 7: Sec 1-2** **Momentum/Impulse**	**23**
26 **HW 6 Due** **Lab:Machines**	**27** **Ch 7: Sec 3-5** **ConservationMomentum**	**28**	**Mar 1** **Ch 8: Sec 1-3**	**2**
5 **HW 7 Due** **Lab:Ballistic**	**6** **MIDTERM!**	**7**	**8** **Ch 8: Sec 4-5** **Angular Momentum**	**9**
12	**13**	**14**	**15**	**16**
19 **HW 8 Due** **Lab:Archimede**	**20** **Ch 9: Sec 1-3** **Static Fluids**	**21**	**22** **Ch 9: Sec 4-5** **Fluid**	**23**
26 **HW 9 Due** **Lab:Power**	**27** **Ch 10: Sec 1-5** **Heat**	**28**	**29** **Ch 11: Sec 1-3** **Heat Engine**	**30**
Apr 2 **HW 10 Due** **Lab: DC**	**3** **Ch 11: Sec 3-5** **Entropy**	**4**	**5** **Ch 12: Sec 1-3** **Charge**	**6**
9 **HW 11 Due** **Lab:Sound**	**10** **Ch 12: Sec 4-5** **Electric Field**	**11**	**12** **Ch 13: Sec 1-3** **Circuits**	**13**
16 **HW 12 Due** **Lab:Makeup**	**17** **Ch 13 Sec 3-5** **Electric Power**	**18**	**19** **Ch 14: Sec 1-3** **magnates**	**20**
23 **HW 13 Due** **Lab: Recitation**	**24** **Ch 14 Sec 4-5** **Faraday's Law**	**25**	**26** **Review**	**27** **Projects Due**
30	**May 1**	**2**	**3 (5:45-7:45 p.m** **FINAL EXAM**	**4**

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Physics is the subject that requires you to think and ponder. Physics is not mathematics, but it does require mathematics to make it useful. In order for you to succeed in this course you may pay heed to the following suggestions.

1. Read the chapter before it is discussed in class so that you know the material and know what questions to ask for clarification.
2. Start your homework on day one so that you have ample time to think about the questions and get the help you need.
3. Think the problems through and follow the logical sequence to get the result.
4. Do not hesitate to ask for help. We wish all of you to excel and we are here to help.