

## **PHYS 2210 Syllabus**

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### **Textbook**

Wolfson, Richard: Essential University Physics with Mastering Physics package, 2nd USU Custom Edition. VOLUME 1.

### **Important**

This course requires a great deal of reading. You must have the textbook in one of its various forms (hard-copy, eText, etc). A significant difference between the online version and face-to-face versions of Physics 2210 is the lack of a recitation class (supplemental instruction). The bottom line with online courses is they require a great deal of reading. Read from the text book every day. Also, there are a set of pre-recorded videos available via the class Canvas site. Watch them. Finally, one word of advice that I received long ago: the only way to learn physics is to *do* physics. *Do your homework*. Start early. If you get stuck, ask questions! I can't help you if you don't ask for help. Previous experience with this course shows that just doing well on the homework does not guarantee a good performance on the exams, which are a crucial part of this course and count towards the majority of your grade.

### **Structure of the Course**

The course consists of 4 modules divided in different topics; a total of 15 topics each corresponding to a weekly homework assignment. It is expected that you work on 1 topic per week, reading the textbook and working on the homework assignment for that week, asking questions as needed about concepts that might not be clear. However, the *due date* for each HW assignment is driven by the exam due date at the end of each module.

At the end of each topic there are practice questions for you to check your understanding and practice for the exams. These quizzes do not count towards your grade. You can take these quizzes as many times as you want. At the end of each module you are required to write a short essay (not proctored) and sit for an exam at a proctoring center. You are allowed 1 attempt at each exam. You will not be able to move on to the content of the next module until you submit the essay.

### **Grades**

Your grade will be calculated based on the following table:

<b>Assignment</b>	<b>Percentage of Grade</b>
Homework	30%
Essays	10%
Exam Module 1	15%
Exam Module 2	15%
Exam Module 3	15%
Exam Module 4	15%

## Homework

Homework can earn 100% credit if completed before the module due date. The due dates for the homework are listed on the syllabus schedule at the end of this document and within Mastering Physics. The web homework questions are based on exercises and problems at the end of the chapter. The website is <http://www.masteringphysics.com>. A student access kit comes with each textbook; each has their own ID for the Web. Follow the registration instructions, our class is **MPSMITH008**. You will need to enter your full A-number, including the capital "A" at the beginning. The first assignment is mandatory to introduce you to the web-based homework system, it gives you 10 extra credit points. Late homework is accepted but at a reduced percentage. The homework will be available until the end of the course (04/28/2018). For each hour that the homework is late, the grade will be reduced by 1%. After 48 hours and until the end of the course you can get up to 50% credit for the homework. About half of the questions have numerical values that have been randomized for each student. Except for those numbers the questions appear exactly the same as in your textbook. I recommend that you keep a notebook where you have your solutions to the problems, that will be useful when studying for exams.

## Essays

At the end of each module there will be an essay (it appears on Canvas as a "Module Quiz") that you have to write. The content of the essay is intended to check your comprehension of the larger perspective of the material in the module you just completed. A short essay is less than a page, but more than 150 words. Some essay questions may also include a sketch. Once you submit your essay you will gain access to the next module. The essay will be graded, and the grading criteria are given in the rubric at the end of the quiz page. If the rubric is not visible, you may find it by clicking on the gear symbol on the upper right corner of the quiz page for the essay.

## Schedule

Note: All homework assignments are due by 11:59 PM on the specified date.

Week	Chapters	Homework	Due Date	Exam	Dates Exam Available
1	1/2	HW1	03 Feb		
2	3	HW2	03 Feb		
3	4	HW3	03 Feb		
4	5	HW4	03 Feb	Module 1	29 Jan - 02 Feb
5	6/7	HW5	03 Mar		
6	8	HW6	03 Mar		
7	9/10	HW7	03 Mar		
8	11/12	HW8	03 Mar	Module 2	26 Feb - 02 Mar
9	Spring Break		05 Mar - 09 Mar		
10	13/14	HW9	31 Mar		
11	15	HW10	31 Mar	Module 3	26 Mar - 30 Mar
12	16	HW11	28 Apr		
13	17	HW12	28 Apr		
14	18	HW13	28 Apr		
15	19	HW14	28 Apr	Module 4	23 Apr - 27 Apr

## **Exams**

All of the exams that you take in this class will need to be proctored. ***It is your responsibility to find a testing facility where you can take the exams*** through the Regional Campus & Distance Education office (<http://rcde.usu.edu/mats>). You should look through the list of available proctoring centers immediately. *If you do not live near a proctoring center or USU testing center this may take some time to set up.* The materials allowed for the exams are: equation sheets with no additional notes on them, calculator, blank scratch paper and writing materials (pencil, eraser, pen, etc). The time you will have for each exam is 1 hour and 15 minutes (75 minutes). The exams will consist of multiple choice questions in a Canvas quiz about each of the modules. The last exam is not comprehensive. Be sure you schedule your appointment to take each exam well in advance. Each exam will be available for 5 days for you to take them (Monday through Friday). You are allowed 1 attempt at each exam during the exam window.

***Remember, it is your responsibility to find a suitable proctor and schedule your exams!***

## **Office Hours**

I'm available to answer questions via email always, excluding Sunday.

## **Disability Resource Center**

USU welcomes students with disabilities. If you have, or suspect you may have, a physical, mental health, or learning disability that may require accommodations in this course, please contact the Disability Resource Center (DRC) as early in the semester as possible (University Inn # 101, [435-797-2444](tel:435-797-2444), [drc@usu.edu](mailto:drc@usu.edu)). All disability related accommodations must be approved by the DRC. Once approved, the DRC will coordinate with faculty to provide accommodations.

## **Honor Code**

The honor code will be strictly enforced in this course. Any suspected violations of the honor code will be promptly reported to the honor system. For more information please visit: <http://www.usu.edu/policies/PDF/Acad-Integrity.pdf>