

## SYLLABUS - PHYSICS 2210 MWF 12:30-1:20, ESLC 130

Spring Semester 2019 (Are you in the correct class?)  
Instructor: Jan J. Sojka  
Office: SER Rm. 250A  
Office Hours: Monday and Wednesday from 2-3 pm in SER 210  
E-mail: [physsojka22@gmail.com](mailto:physsojka22@gmail.com)

**T.A.s:**  
**David Smith**  
davidalan.smith@aggiemail.usu.edu  
**Jake Ciafre**  
jakeciafre@outlook.com  
**Peter Haugen**  
phaugen@gmail.com

### Class Format

- 35 Lectures +4 Demonstration Days
- 4 written exams taken at the USU Testing Center
- 15 Web based homework assignments

### Textbook:

Essential University Physics, 3<sup>rd</sup> Edition, Richard Wolfson (also 2<sup>nd</sup> USU Special Edition)

### Online Homework:

Homework problems are on Mastering Physics and an access code needs to be purchased.

### Syllabus/Schedule

Week	Beginning	Monday	Wed.	Thurs.	Fri.	Lecture Topic
1	07 Jan	Ch. 1	Ch. 1	Rec 1	Ch. 2	One-Dimensional Motion
2	14 Jan	Ch. 2	Ch. 3	Rec 2	Ch. 3	2-D and 3-D Motion
3	21 Jan	Holiday	Ch. 4	Rec 3	Ch. 4	Forces and Motion
4	28 Jan	Ch. 5	Ch. 5	Rec 4	Demo 1	Using Newton's Law
5	04 Feb	<b>Exam 1</b>	Ch. 6	Rec 5	Ch. 6	Energy, Work, and Power
6	11 Feb	Ch. 7	Ch. 7	Rec 6	Ch. 8	Conservation of Energy
7	18 Feb	Holiday	Ch. 9	Rec 7	Ch. 9	Collisions
8	25 Feb	Ch. 10	Ch. 10	Rec 8	Ch. 11	Rotational Motion
9	04 Mar	Ch.11	Demo 2	Rec 9	<b>Exam 2</b>	Rotational Motion
10	11 Mar	SPRING BREAK WEEK				
11	18 Mar	Ch. 12	Ch. 12	Rec 10	Ch. 13	Static Equilibrium
12	25 Mar	Ch. 13	Ch. 14	Rec 11	Ch. 14	Oscillations and Waves
13	01 April	Ch. 15	Ch. 15	Rec 12	Demo 3	Fluid Motion
14	08 April	<b>Exam 3</b>	Ch. 16	Rec 13	Ch. 16	Temperature and Heat
15	15 April	Ch. 17	Ch. 17	Rec 14	Ch. 18	Thermal Behavior
16	22 April	Ch. 19	Demo 4			1 <sup>st</sup> and 2 <sup>nd</sup> Laws of Thermodynamics
17	27 April-01 May	<b>Exam 4</b>				Holiday

## **FINAL EXAM Begins Saturday April 27<sup>th</sup> and Ends on Wednesday May 1<sup>st</sup> 2019**

There is an \$11 fee for this class. It covers classroom supplies, as well as equipment, maintenance and supplies for demonstrations. (Note: some scholarships will not pay for this fee, even though they pay full tuition costs. Scholarship students have been dropped from this class without notice for not paying the fee.)

### 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, [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>