

SYLLABUS - PHYSICS 2210 MWF 1:00-1:50, ESLC 130

Spring Semester 2015 (Are you in the correct class?)

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Class Format

- 40 Lectures
- 4 written exams
- 15 World Wide Web based homework assignments
- 15 Recitation periods

Textbook:

Essential University Physics, 2nd Edition, Richard Wolfson

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 | 5 Jan | | Ch. 1 | RES. 1 | Ch. 2 | One-Dimensional Motion |
| 2 | 12 Jan | Ch. 3 | Ch. 3 | RES. 2 | Ch. 4 | 2-D and 3-D Motion |
| 3 | 19 Jan | Holiday | Ch. 4 | RES. 3 | Ch. 5 | Force and Motion |
| 4 | 26 Jan | Ch. 5 | Ch. 6 | RES. 4 | Exam 1 | Using Newton's Law |
| 5 | 2 Feb | Ch. 6 | Ch. 7 | RES. 5 | Ch. 7 | Work and Energy |
| 6 | 9 Feb | Ch. 8 | Ch. 8 | RES. 6 | Ch. 9 | Gravity |
| 7 | 16 Feb | Ch. 9 | Ch. 10 | RES. 7 | Ch. 10 | Momentum and Rotation |
| 8 | 23 Feb | Ch. 11 | Ch. 11 | RES. 8 | Exam 2 | Angular Momentum |
| 9 | 2 Mar | Ch. 12 | Ch. 12 | RES. 9 | Ch. 13 | Statics and Oscillation |
| 10 | 9 Mar | SPRING BREAK WEEK | | | | |
| 11 | 16 Mar | Ch. 13 | Ch. 14 | RES. 10 | Ch. 14 | Wave Motion |
| 12 | 23 Mar | Ch. 15 | Ch. 15 | RES. 11 | Ch. 15 | Fluid Motion |
| 13 | 30 Mar | Exam 3 | Ch. 16 | RES. 12 | Ch. 16 | Temperature and Heat |
| 14 | 6 Apr | Ch. 17 | Ch. 17 | RES. 13 | Ch. 18 | Thermal Behavior |
| 15 | 13 Apr | Ch. 18 | Ch. 18 | RES. 14 | Ch. 19 | First law of thermodynamics |
| 16 | 20 Apr | Ch. 19 | Ch. 19 | Review | Review | Second Law of Thermodynamics |
| 17 | 27 Apr | FINAL | | | | |

**The lecture on Monday, February 16 will be given on Tuesday, February 17 because Monday is a Holiday.

**FINAL EXAM IS ON MON., APR 27, 2015
FROM 11:30AM-1:20PM.**

There is a \$10 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

Students with ADA-Documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn. (435)797-2444 voice, (435)797-0740 TTY, (435)797-2444 VP, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

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>