West Chester University

Phys 100

Spring Session 2012

**Instructor: Paul Pomeroy**

**E-mail address: ppomeroy@wcupa.edu**

**Text Book: *Physics: A World View* (seventh edition preferred but earlier editions accepted) by Kirkpatrick and Francis**

**(Thomson)**

**Schedule: Lectures—M W F 9:00-9:50AM -- 10:00-10:50AM**

**11:00-11:50AM *Room 109***

**Office Hours—M W F 8:00-9:00AM and 11:50AM-12:20PM**

**Or by appointment *Room 120***

Grading: Tests and Quizzes 65%

Final Exam 25%

Attendance and participation including homework 10%

***Tentative*** Syllabus

|  |  |  |
| --- | --- | --- |
| Week 1: Jan 23-Jan 27 | Chapter 1 | A World View |
| Week 2: Jan 30- Feb 3 | Chapter 2 | Describing Motion |
| Week 3: Feb 6- Feb 10 | Chapter 3 | Explaining Motion |
| Week 4: Feb 13- Feb 17 | Chapter 4 | Motions in Space |
| Week 5: Feb 20- Feb 24 | Chapter 5 | Gravity |
| Week 6: Feb 27- Mar 2 | Chapter 6 | Momentum |
| Week 7: Mar 5 - Mar 9 | Chapter 7 | Energy |
| Week 8: Mar 12- Mar 16 |  | Spring Break |
| Week 9: Mar 19-Mar 23 | Chapters 1-7 | Review |
| Week 10: Mar 26-Mar 30 | Chapter 8 | Rotation |
| Week 11: Apr 2 -Apr 6 | Chapter 15 | Vibrations and Waves |
| Week 12: Apr 9 – Apr 13 | Chapter 16 | Sound and Music |
| Week 13: Apr 16-Apr 20 | Chapter 17 | Light |
| Week 14: Apr 23-Apr 27 | Chapter 18 | Refraction of Light |
| Week 15: Apr 30-May 4 | Chapter 20&21 | Electricity/ Electric Circuits |
| Final Exam |  |  |

**Grading**

**92 and up -- A**

**89-91 -- A-**

**86-88 -- B+**

**82-85 -- B**

**79-81 -- B-**

**76-78 -- C+**

**72-75 -- C**

**69-71 -- C-**

**66-68 -- D+**

**62-65 -- D**

**59-61 -- D-**

**Below 59 -- F**

***Tentative!!!***

Tentative!!!

Test/Quiz 1: Week of February 6th

Test/Quiz 2: Week of February 27th

Test/Quiz 3: Week of March 26th

Test/Quiz 4: Week of April 9th

Final Exam: Week of May 7th

Tentatively you will have four tests during the semester. The three highest grades will be counted. ***There will be no make up tests***. If you miss a test you will receive a zero score for that test which you may count as your dropped test score. A zero score will be recorded for any additional missed tests. All students are expected to take the final exam. The exam grade cannot be used as the dropped score.

This course strives to have students meet the following general education goals:

1. Ability to communicate effectively

2. Ability to employ quantitative concepts and mathematical methods

3. Ability to think critically and analytically

**Disability**

**West Chester University wishes to make accommodations for persons with disabilities. Please make your needs known by contacting the Office of Services for Students with Disabilities at ext. 3217. Please let me know as well. We wish to comply with the ADA of 1990. Sufficient notice is needed in order to make appropriate accommodations possible.**

**NB: WCU Department of Public Safety: 610-436-3311**

A few suggested questions and problems from our text….

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Questions | Exercises |
| Chapter 1 | A World View | 5, 7, 11, 13, 15 | 19, 25, 27, 30 |
| Chapter 2 | Describing Motion | 1, 2, 9, 11, 12, 14, 23, 27, 29, 31, 37, 38, 39, 48, 49 | 65, 69, 78, 79, 83 |
| Chapter 3 | Explaining Motion | 1, 2, 3, 5, 8, 9, 15, 18, 22, 31, 32, 36, 45, 49 55. 56, 57 | 63, 64, 67, 69, 76, 81, 82, 83, 84 |
| Chapter 4 | Motions in space | 1, 2, 3, 5, 8, 9, 15, 18, 22, 31, 32, 36, 45, 49, 50 | 51, 53, 57, 59, 61, 64 |
| Chapter 5 | Gravity | 1, 2, 3, 5, 13, 19, 25, 31, 45 | 53, 55, 59, 63, 69 |
| Chapter 6 | Momentum | 13, 15, 18, 30, 31, 32, 33, 34 | 45, 46, 47, 49, 52, 55, 63, 64, 66 |
| Chapter 7 | Work and Energy | 18, 21, 23, 24, 30, 34, 36, 37, 42 | 59, 60, 70, 74, 77, 78, 80 |
|  |  |  |  |
| Chapter 15 | Vibrations and Waves | 1,2,4,6,29,31,38 | 51, 64, 65, 67, 69, 72, 76, 77, 85 |
| Chapter 16 | Sound | 4, 5, 37, 38, 41, 45 | 51, 53, 83, 84, 85, 86 |
| Chapter 17 | Light | 15, 16, 17, 19, 20, 21, 24, 25, 30, 32, 33, 35, 37, 39, 42, 43, 47 | 50, 53, 61, 65, 69, 73, 74, 77 |
| Chapter 18 | Refraction | 1, 22, 32, 41, 47, 49 | 50, 75, 76 |
|  |  |  |  |
| Chapter 20 | Electricity | 21, 32, 33, 34, 36, 39, | 47,48,49,50,53, 54,57,58,60,83, 84. |
| Chapter 21 | Electric Charges in Motion | 35,37, 41, 43, | 44,57,63,65,71, 72 73,75,79 |