

## **Syllabus Excursions in Physics (PHY 3050)-Fall 2009**

The PHY 3050, Excursions in Physics, is a one-semester survey course in Physics. Anyone desiring a more rigorous course may also enjoy PHY 1150, 1160 or PHY 1350, 1360, 1370.

Textbook: Paul G. Hewitt; "Conceptual Physics", tenth edition Addison Wesley, 2006, ISBN 0-8053-9192-4.

### **The textbook material will be covered as follows:**

- Weeks 1 and 2: (August 24-September 06) .....Part 1: Mechanics. (Chapters 1-4)
- Weeks 3 and 4: (September 07-September 20) .Part 1: Mechanics (Chapters 5-8)
- Week 5: (September 21-September 27)..Part 1: Mechanics (Chapters 9-10)
- Weeks 6 and 7: (September 28-October 11) .....Parts 2 & 3: Properties of matter and Heat
- Week 8: (October 12-October 18).....Part 4: Sound
- Weeks 9 and 10: (October 19-November 01) .... Part 5: Electricity and Magnetism
- Weeks 11 and 12: (November 02-November 15)..Part 6: Light
- Weeks 13 and 14: (November 16-November 29) .Part 7: Atomic and Nuclear Physics
- Weeks 15 and 16: (November 30-December 13)..Part 8: Relativity

### **Grading:**

Homeworks: 40%

Tests: 40%

Final exam: 20%

We will have seven homeworks.

### **Homeworks will be posted as follow:**

Homework 1.....August 28.  
Homework 2.....September 11.  
Homework 3.....September 25.  
Homework 4.....October 09.  
Homework 5.....October 23.  
Homework 6.....November 06.  
Homework 7.....November 20.

**Tests:**

The four tests will be assigned:

Test 1.....September 18.  
Test 2.....October 16.  
Test 3.....November 13.  
Test 4.....December 07.

You will be able to access homeworks two times (higher score will be taken toward final grade). Tests and Final Exam will have one access.

**Final Exam:.....December 14, 2009.**

**All assignment dates refer to posting dates. Availability period for homeworks will be approximately 13 days, for the tests approximately 4 days, and for the final exam one day, only. For each assignment, I will post exact due date in timely manner.**

**The course content, and course related information will be updated on daily basis. You have to visit the course site regularly (the least two to three times per a week).**

Final grading:

A...86%-100%

B...70%-85%

C...60%-69%

D...50%-59%

F...below 50%

Please, be aware of Academic Integrity ("Undergraduate Catalog 2009-2010", Eastern Illinois University) regarding academic honesty, cheating, and plagiarism.