

**University of South Carolina**

**Essentials of Physics II  
(PHYS 212)**

**Session:** *Spring 2012*

**First meeting:** *January 10<sup>th</sup>, 2012*

**Last meeting:** *April 19<sup>th</sup>, 2012*

**Final exam:** *April 26<sup>th</sup>, 2012; 5:30 – 7:30 pm; PSC 006*

**Lectures:** *Tuesdays and Thursdays, 5:30 – 6:45 pm in PSC 006*

**Help sessions:** *Mondays, 6:00 – 6:50 pm in PSC208*

**Instructor:** Pawel MORAWIEC

**Office:** PSC 307F, *Tuesdays, 11:00 am – 12:15 pm*

**Contact:** email [morawiec@sc.edu](mailto:morawiec@sc.edu)

**Prerequisites:** MATH 142 or equivalent; PHYS 211

**Text Book (your choice):**

Bauer and Westfall, *University Physics*

Halliday, Resnick and Walker, *Fundamentals of Physics*

**Homework:** <http://loncapa2.physics.sc.edu>

**Tests:** *February 16<sup>th</sup>, April 5<sup>th</sup>*

**Grade composition:** homework      40%  
                                 tests (together)    30%  
                                 final exam            30%

**Grading scheme:**    above 55% - D and D+ grades  
                                 above 65% - C and C+ grades  
                                 above 80% - B and B+ grades  
                                 above 93% - A grade

**Short description of the course:**

- This course is calculus based and the mathematical skills at the level of the textbook are expected.
- Course material covers electricity, magnetism and optics.