PHY 4030-01  

Subatomic Physics  (3 credits)  

Florida Tech, Spring 2007  

**CLASSES:** TR 11:00 - 12:15 pm, Room PS144 (Olin Physical Sciences Building)  

**INSTRUCTOR:** Dr. Marcus Hohlmann, Assistant Professor, Physics and Space Sciences  

**OFFICE:** Olin Physical Sciences Building, 3rd floor, Room 343 (go through my lab 341 to get to 343)  
**OFFICE HOURS:** Tue. 1:15-2, Wed. 2-3, and Thu. 1:15-2 (subject to changes in my schedule).  

5-minute policy: You may stop by with questions at my office anytime as long as I am available (= my office door is open).  

**PHONE:** 674-7275, [E-mail: hohlmann@fit.edu]  


**Companion web site:** I will make the web pages used in class available through my Fl. Tech home page.  
The link is www.fit.edu/~hohlmann/subatomic.htm  

**Course Prerequisites:** PHY 3035 (Quantum Mechanics) is an official prerequisite.  

**General Overview of the Course:** The first part of the course will comprise an overview of subatomic physics tracing the historical development of the fields of nuclear and particle physics. In the second part, aspects of the standard model of particle physics will be discussed in further detail.  

**Homework:** Homework will be assigned from time to time to reinforce concepts discussed in class. Students do not have to turn in the homework as it will not be graded. However, students are strongly encouraged to do the homework as the exams will be closely correlated with the homework. Solutions will be made available online at the companion web site.  

**EXAMS & IMPORTANT DATES:**  
- There will be one mid-term exam around weeks 7 or 8 of the semester. You will be given at least a one-week notice of an upcoming exam. It is your responsibility to keep informed of exam times.  
- The exact date and time for your Comprehensive Final Exam will be announced towards the end of the semester.  
- All exams will be with closed books. The mid-term will count 40% towards your course grade and the final exam 60%.  
- Last day to withdraw without receiving a 'W' is January 19, 2007, and the last day to withdraw from a course with a 'W' is March 16, 2007.  

**Course Policies:**  
- 10 Minute Policy: If I am late for > 10 minutes, you can go home; if you are late for > 10 minutes, you can go home! (unless you have a reasonable explanation not just for me but for the class).  

**Academic dishonesty policy:**  
Any form of academic dishonesty may result in failure of this course. Incidences of academic dishonesty will be reported to the Dean of Students and recorded in your permanent student file. Dishonest conduct may also lead to disciplinary action resulting in dismissal from the university. Be sure that you understand Florida Tech's academic
dishonesty policies as outlined in the student handbook and in www.fit.edu/current/plagiarism.pdf.

Welcome to PHY 4030 !

Marcus Hohlmann