

# PHYS 253

**Fundamentals of Physics I: Mechanics**  
**Spring 2014**  
**Monday, Wednesday Friday 1:00 – 1:50, FW 200**

**Instructor:** Dr. Laurence Lurio **Office:** FW 202 **email:** [llurio@niu.edu](mailto:llurio@niu.edu) **phone:** 815-753-6470

**Office Hours:** Monday 10:00 to 11:00 and Friday 2:00 to 3:00 and by appointment.

**Textbook:** Physics for Scientists & Engineers with Modern Physics (4<sup>th</sup> edition). You can buy either the text for this course alone, or the two-volume edition which will cost less if you plan to also take PHYS 273.

**Web Page:** There are two websites for this class. General course information is available on blackboard web site <http://www.webcourses.niu.edu>. The class is also using an on-line homework system provided by Pearson education called “MasteringPhysics”. You can access this web page through <http://www.masteringphysics.com/>. In order to use the mastering physics page you need to either purchase an access code (\$66) or use the free access code that came with your textbook. Once you have an access code you need to enroll in this class which is code number MPLURIO27483.

**Grading:** Homework and in-class exercises 30%, Exams 45%, Final 25%. The final grade is then made of a weighted average of the lecture and lab class grades: 75% by the lecture grade and 25% by the lab grade. *You must, however, pass the lab section to pass the course.*

**Online Homework:** Homework will be through a combination of group exercises in class and an on-line homework through MasteringPhysics. Please log into Mastering physics for a calendar of homeworks and due dates.

**Exams:** The dates for exams will not be changed. Exams are closed book and closed notes. Calculators are required for exams, but calculators which are part of cell phones are not allowed.

**Final Exam:** The final exam is comprehensive.

**Cheating:** Students found to have cheated on exams or homework will receive a grade of F for that exam or assignment. All incidents or suspected incidents of cheating will be reported to the university judicial office.

**Incomplete grades:** Incompletes will only be given under extraordinary circumstances such as extended illness or call-up to active military duty.

**Accessibility Statement:** Northern Illinois University is committed to providing an accessible educational environment in collaboration with the Disability Resource Center (DRC). Any student requiring an academic accommodation due to a disability should let his or her faculty

member know as soon as possible. Students who need academic accommodations based on the impact of a disability will be encouraged to contact the DRC if they have not done so already. The DRC is located on the 4th floor of the Health Services Building, and can be reached at 815-753-1303 (V) or [drc@niu.edu](mailto:drc@niu.edu).

**Help Room:** Physics tutors are available in the Physics Help Room, FR 251

**Calendar:**

	Monday		Wednesday		Friday
13-Jan	Chapter 1	15-Jan	Chapter 1	17-Jan	Chapter 1
20-Jan	MLK Holiday	22-Jan	Chapter 2	24-Jan	Chapter 2
27-Jan	Chapter 2	29-Jan	Chapter 3	31-Jan	Chapter 3
3-Feb	Chapter 3	5-Feb	Exam 1	7-Feb	Chapter 4
10-Feb	Chapter 4	12-Feb	Chapter 4	14-Feb	Chapter 5
17-Feb	Chapter 5	19-Feb	Chapter 5	21-Feb	Chapter 6
24-Feb	Chapter 6	26-Feb	Chapter 6	28-Feb	Exam 2
3-Mar	Chapter 7	5-Mar	Chapter 7	7-Mar	Chapter 7
Spring Break					
17-Mar	Chapter 8	19-Mar	Chapter 8	21-Mar	Chapter 8
24-Mar	Chapter 9	26-Mar	Chapter 9	28-Mar	Chapter 9
31-Mar	Chapter 10	2-Apr	Chapter 10	4-Apr	Chapter 10
7-Apr	Exam 3	9-Apr	Chapter 11	11-Apr	Chapter 11
14-Apr	Chapter 11	16-Apr	Chapter 12	18-Apr	Chapter 12
21-Apr	Chapter 14	23-Apr	Chapter 15	25-Apr	Chapter 14
28-Apr	Chapter 14	30-Apr	Review	1-May	Reading Day
7-May	Final Exam 1:00 – 1:50				