


Lecturer: Dr. Foudil Latioui	 Southern Illinois University CARBONDALE
Syllabus – Physics 203A-001	

Office Hours: MWF: 10-11am; TR: 11-12 @ Nkrs-473  
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**Meetings:** Lecture- MWF 11:00-11:50am @ Nkrs440  
**Texts:** Textbook = *College Physics* 9<sup>th</sup> Ed. Cutnell & Johnson

**Course Description:** PHY203A is a first sequence of an Algebra based physics course. We will analyze motion using Newtonian's laws, then using the laws of conservation. We will also explore the dynamic of fluid, heat. In the last part we will investigate the wave aspect of nature (sound).  
The primary goal of this course is to develop a firm understanding of the laws of mechanics with emphasis on analytic and problem solving skills beyond concepts

**Exams, Quizzes and Home-works:**

- There will be *Three*, 50 min Exams, and *One* comprehensive final.
- There will be *Four*, Quizzes:
  - Two quizzes online and Two in class
- A set of homework problems will be posted online weekly
- There will be a **recorded vote after** each **chapter**
- Make up exams will only be arranged for documented absence.

**Grading Scheme**

Categories	Weights	
Quizzes	3x4%=12%	<ul style="list-style-type: none"> <li>• I will drop the lowest grade of HW, quizzes &amp; Two Votes</li> <li>• Will note drop exams</li> <li>• Final is comprehensive</li> </ul>
Homework	15%	
Exams	3 x 12% = 36%	
Vote	12%	
Final	25%	

**Grading Scale**

A=85.0-100.	B=75.0-84.9	C=65.0-74.9
D=50.0-64.9	F=0-49.9	

The final grade will be rounded off to the nearest 1/10<sup>th</sup>

**Tentative Schedule Fall 2013**

Week of:	Exams	Chapter #:	Quiz #:	Site
Aug. 19 <sup>th</sup>		01:Mathematical Concepts		
Aug. 26 <sup>th</sup>		02:Kinematics 1D	Qz 1	Online
Sept. 2 <sup>nd</sup>	<b>September 2<sup>nd</sup>, Labor Day</b>			
		03: Kinematics 2D		
Sept. 9 <sup>th</sup>	<b>Exam I</b>	04: Newton's Laws		
Sept. 16 <sup>th</sup>		04: Newton's Laws		
Sept. 23 <sup>rd</sup>		05: Circular Motion		
Sept. 30 <sup>th</sup>		06: Work & Energy	Qz 2	In Class
Oct. 7 <sup>th</sup>	<b>Fall Break: Oct.12<sup>th</sup> – Oct. 15<sup>th</sup></b>			
		07: Impulse & Momentum		
Oct. 14 <sup>th</sup>		08: Rotational Kinematics		
Oct. 21 <sup>st</sup>	<b>Exam II</b>	09: Rotational Dynamics		
Oct. 28 <sup>th</sup>		10: Simple Harmonic Motion		
Nov. 4 <sup>th</sup>		11. Fluids	Qz 3	Online
Nov. 11 <sup>th</sup>	<b>Monday 11<sup>th</sup>, Veterans Day</b>			
		12. Temperature & Heat		
Nov.18 <sup>th</sup>		13. Transfer of Heat		
Nov. 25 <sup>th</sup>	<b>Exam III</b>	16: Waves & Sound		
	<b>Thanks giving: Nov.27<sup>th</sup> – Dec. 1<sup>st</sup></b>			
Dec. 2 <sup>nd</sup>		17: Interference & Sound	Qz 4	In Class
Dec. 9 <sup>th</sup>	<b>Final Exam</b>	<b>Tuesday, Dec. 10<sup>th</sup> : from 12:50 pm to 2:50pm @ N 440</b>		

**Course Structure**

- Lecture will be a combination of PowerPoint Presentation and on board derivations and illustrations. There will be a **non-recorded** vote after each lecture. You must have your *iClicker*
- Occasionally, we will have live-demos or simulations.
- To practice the concepts, we will go over key examples.
- Explore the student web site at: [www.wiley.com/college/cutnell](http://www.wiley.com/college/cutnell) .
- You will find plenty of opportunities to practice regular course questions and review quizzes for the MCAT exam.

D2L	<a href="https://online.siu.edu/">https://online.siu.edu/</a>
SIU policy	<a href="http://policies.siuc.edu/policies/conduct.html">http://policies.siuc.edu/policies/conduct.html</a>

## **EMERGENCY PROCEDURES**

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT's website at [www.bert.siu.edu](http://www.bert.siu.edu), Department of Safety's website [www.dps.siu.edu](http://www.dps.siu.edu) (disaster drop down) and in Emergency Response Guideline pamphlet. Know how to respond to each type of emergency. Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

### **Make-up assignments will only be given for documented valid reasons:**

- Religious Observance;
- Military Service;
- Bereavement (only members of the immediate family);
- Official University business;
- Properly documented medical reason that prevents you from taking the test. A letter from the doctor treating you is proper documentation; a note from student health services is not.
- Jury duty or appearance in court (properly documented)

In any case in which an absence will occur, you need to use the proper University form (Undergraduate Student Absence Form For University-Approved Activities) to request an accommodation from the instructor. This form must be presented to the instructor before the absence occurs (except in the medical emergency situation).