

**SYLLABUS**  
**Physics 203B: College Physics**  
**Instructor: April Hendley**  
**Fall 2013**

**I. TIME/PLACE:** 12:35 p.m.-1:50 p.m. TR Neckers 240 (Lecture Hall).

**II. CONTACT INFORMATION for Ms. Hendley**

**Office:** Neckers 462

**Phone:** 618-453-2272

**Email:** ahendley@siu.edu

**Office Hours:** Mon. 1:30 p.m. - 3:30 p.m.

Tues. 3:30 p.m. - 4:30 p.m.

Wed. 1:30 p.m. - 3:30 p.m.

Thurs. 3:30 p.m. - 4:30 p.m.

Other times: By appointment.

**III. REQUIRED RESOURCES**

**TEXTBOOK:** *Physics 9th Edition by Cutnell and Johnson*

**SYLLABUS:** This syllabus is available for download on SIU Online.

**IV. COURSE OBJECTIVES:**

Main Course Objectives:

- Learn about the fundamental laws and principles of Physics, particularly those relating to electricity, magnetism, light, and some modern physics.
- Understand how the scientific method operates.
- Learn how to solve algebra-based physics problems.

**V. COURSE STRUCTURE**

**Lectures:**

- Lectures will be a combination PowerPoint presentations and chalkboard presentations.
- Lectures will also include demos and/or simulations on occasion.
- We will go over some example to practice the concepts.

**Home Work:**

Homework will be assigned roughly once a week. Homework will be collected in class. Late homework are not accepted because the solutions will be posted shortly after the homework are due. The lowest homework score will be dropped.

**Quizzes:**

There will be four short (~10 minutes) quizzes during the semester. The lowest quiz score will be dropped.

### Midterm Exams:

There will be three full class-long exams, which will be announced roughly a week in advance, in class. You will get to drop your lowest exam grade, hence there will be NO MAKE UP EXAMS, unless your absence from the exam is properly authorized (see Missed Exam Policy).

### Missed Exam Policy:

Valid reasons for missing an Exam **are limited to properly documented:**

- Religious Observance;
- Military Duty;
- Bereavement (only members of the immediate family);
- Official University business;
- Jury Duty or Court Appearance;
- Properly documented medical reason (Doctor's certificate stating that the student was incapable of attending the exam; notes from the Student Health Services that the student was there at the time are **not** sufficient).

It is the student's responsibility to use the appropriate University form for Excused Absences to request accommodation from the instructor in case an exam is missed. Except in cases of medical emergency, this University form needs to be given to the instructor before the absence occurs.

### Final Exam:

The final exam is **comprehensive**.

**Final Exam will be on Wednesday, Dec. 11 from 12:50 p.m. to 2:50 p.m. in Neckers 240.**

## VI. GRADES

Breakdown:	Homework:	24 %
	Quizzes:	12 %
	Midterm Exams:	34 %
	Final Exam:	30 %

<b><u>TENTATIVE</u></b> Grade Scale:	A: 85.0 -100
	B: 75.0 - 84.9
	C: 65.0 - 74.9
	D: 50.0 - 64.9
	F: 0 - 49.9

## VII. ACADEMIC DISHONESTY IN PHYS 203B

This is to inform you of the policy regarding academic dishonesty in PHYS 203B. Any individual found cheating on any exam, quiz, or assignment will be failed in the course. The possession of any *cheat-sheet* during the final will be considered cheating and treated as such. Plagiarizing will be considered cheating. If another individual takes the quiz or final for you, then both will be reported for cheating. A report will be made to the proper authority for further disciplinary action including possible suspension from the university.

**TENTATIVE SCHEDULE:** We will follow this schedule as closely as possible, but the dates for the topics, exams, and reviews are subject to change.

Week of	Exam/Quiz	Chapter #
Aug. 19		18: Electric Forces and Electric Fields
Aug. 26		19: Electric Potential
Sept. 2	Quiz 1	Monday: Labor Day Holiday
		20: Electric Circuits
Sept. 9		20: Electric Circuits
Sept. 16	Exam 1	21: Magnetic Forces and Magnetic Fields
Sept. 23	Quiz 2	22: Electromagnetic Induction
Sept. 30		22: Electromagnetic Induction
Oct. 7	Exam 2	24: Electromagnetic Waves
Oct. 14		Monday and Tuesday: Fall Break
		24: Electromagnetic Waves
Oct. 21		24: Electromagnetic Waves
		25: Reflection of Light
Oct. 28		25: Reflection of Light
		26: Refraction of Light
Nov. 4	Quiz 3	26: Refraction of Light
		27: Interference and Diffraction of Light
Nov. 11		Monday: Veteran's Day Holiday
		27: Interference and Diffraction of Light
Nov. 18	Exam 3	27: Interference and Diffraction of Light
Nov. 25		28: Special Relativity*
		Wed., Thurs., and Fri.: Thanksgiving Break
Dec. 2	Quiz 4	28: Special Relativity* Review for Final Exam
Dec. 9	Final Exam	<b>Wednesday, December 11: 12:50 pm - 2:50 pm</b>

\*Subject to change due to time considerations.



