Office Hours: MWF: 10-11am; TR 11-12 @ Nkrs-473
Phone: 618-453-2048; Email: flatiou@siu.edu

Meetings: Lecture- TR 9:35-10:50am @ Nkrs440
Texts: Textbook = *Physics for Scientists & Engineers* 9th Ed. Serway

Course Description: PHY205B is a second sequence of Calculus based physics. We will cover the fundamentals of electromagnetism then, light with its all aspects: ray model & wave model. The goal of this course is to develop an overall understanding of the laws of electromagnetism & their applications. We will emphasize problem-solving methodologies and demonstrate the role of physics in science & engineering.

Exams, Quizzes and Home-works:
- There will be Three, 75 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

<table>
<thead>
<tr>
<th>Categories</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>3x4%=12%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Exams</td>
<td>3 x 12% = 36%</td>
</tr>
<tr>
<td>Vote</td>
<td>12%</td>
</tr>
<tr>
<td>Final</td>
<td>25%</td>
</tr>
</tbody>
</table>

- I will drop the lowest grade of HW, quizzes & Two votes
- Will not drop exams
- Final is comprehensive

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 1/10th

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.
- There will be a discussion session every week.

D2L  https://online.siu.edu/
SIU policy  [http://policies.siuc.edu/policies/conduct.html](http://policies.siuc.edu/policies/conduct.html)
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, Department of Safety's website 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).