Instructor: Saikat Talapatra  
Office: Neckers 474  
Tel: (618)-453-2270  
E-mail: stalapatra@physics.siu.edu  
Office Hours: MWF 11:50 pm – 1:50 pm or by appointment

Grader: Mr. Scott Newlon  
Office: Neckers 430 L  
E-mail: scotnew@siu.edu  
Office Hours: TR 1:30 pm - 3:30pm.

Text Book: Physics, by Cutnell and Johnson (9th Edition)

Tentative topics: We will try to cover most parts from Chapters 18-22; 24-30

Goals: Familiarity with basic concepts of Electricity, Magnetism, Optics and some aspects of Modern Physics.

Assignments: Homework will be assigned from each chapter. They will not be graded. However, you must do the homework since the quizzes, to some extent will be based on the homework. The solutions for the homework will be posted on Blackboard. You do not have to submit the homework. There could be reading assignments from portions of chapters covered and will be assigned as needed.

Quizzes: There will be four (4) quizzes (in class) covering the entire syllabus. One lowest score out of the 4 quizzes will be dropped. THERE WILL BE NO MAKEUP QUIZZES. Missing a quiz will be counted as the dropped quiz.

The quizzes (collectively) will be worth 60% towards the final grade.

Final Exam: The final exam will count 40% towards the final grade. THE FINAL EXAM WILL BE COMPREHENSIVE.

Tentative Means to Evaluate:  
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>60 %</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40 %</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>
### Tentative Grade Policy:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% - 100%</td>
</tr>
<tr>
<td>B</td>
<td>75% - 89.9%</td>
</tr>
<tr>
<td>C</td>
<td>60% - 74.9%</td>
</tr>
<tr>
<td>D</td>
<td>50% - 59.9%</td>
</tr>
<tr>
<td>F</td>
<td>Less Than 50%</td>
</tr>
</tbody>
</table>

### 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.
<table>
<thead>
<tr>
<th>Time</th>
<th>Sunday (U) 12/7</th>
<th>Monday (M) 12/8</th>
<th>Tuesday (T) 12/9</th>
<th>Wednesday (W) 12/10</th>
<th>Thursday (R) 12/11</th>
<th>Friday (F) 12/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-9:45</td>
<td></td>
<td></td>
<td>Starts at 8:00 or 8:30 &amp; begins on T or R</td>
<td>Starts at 9:00 or 9:35 &amp; begins on T or R</td>
<td>Starts at 9:00 or 9:30 &amp; begins on M, W or F</td>
<td></td>
</tr>
<tr>
<td>10:00-11:45</td>
<td>Study Sessions</td>
<td></td>
<td>Starts at 10:00 or 10:30 &amp; begins on T or R</td>
<td>Starts at 11:00 or 11:30 &amp; begins on T or R</td>
<td>Starts at 11:00 or 11:30 &amp; begins on M, W, or F</td>
<td></td>
</tr>
<tr>
<td>12:00-1:45</td>
<td></td>
<td>Study Sessions</td>
<td>Starts at 12:00 or 12:35 &amp; begins on T or R</td>
<td>Starts at 1:00 or 1:30 &amp; begins on T or R</td>
<td>Starts at 1:00 or 1:30 &amp; begins on M, W, or F</td>
<td></td>
</tr>
<tr>
<td>2:00-3:45</td>
<td>Study Sessions</td>
<td></td>
<td>Starts at 2:00 or 2:30 &amp; begins on T or R</td>
<td>Starts at 3:00 or 3:35 &amp; begins on T or R</td>
<td>Starts at 3:00 or 3:30 &amp; begins on M, W, or F</td>
<td></td>
</tr>
<tr>
<td>4:00-5:45</td>
<td>ENGL Common Exam: 101, 102 and 120H</td>
<td>MATH Common Exam: 101, 107, 108, 109, 111, 125, 139, 140, 150, 220 and 250</td>
<td>Starts at 4:00 or 4:30 &amp; begins on M, W, or F</td>
<td>Starts at 4:00 or 4:30 &amp; begins on T or R</td>
<td>Make-up Exam Period Saturday/Sunday Classes</td>
<td></td>
</tr>
<tr>
<td>6:00-7:45</td>
<td>PSYC 102 Common Exam Starts at 5:00, 5:30, 6:00 or 6:30 on MWF/5:00 or later, but before 7:00 &amp; meets on M only</td>
<td>FIN 330 Common Exam/Starts at 5:00 or later, but before 7:00 &amp; meets on T only</td>
<td>KIN 101 Common Exam/Starts at 5:00 or later, but before 7:00 &amp; meets on R only</td>
<td>Starts at 5:00, 5:30, 6:00 or 6:30 on TR/5:00 or later, but before 7:00 &amp; meets on R only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00-9:45</td>
<td>Starts at 7:00, 7:30, 8:00, or 8:30 on MWF/7:00 or later &amp; meets on M only</td>
<td>Starts at 7:00 or later &amp; meets on T only</td>
<td>Starts at 7:00 or later &amp; meets on W only</td>
<td>Starts at 7:00, 7:30, 8:00, or 8:30 on TR/7:00 or later meeting on R only</td>
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</table>
The final exam schedule attempts to avoid conflicts and keep exam times during their normal semester class meeting period, while providing additional preparation time to be used for study-sessions. Other information about Fall 2014 final exams is listed below (and is current as of May 12, 2014):

1. The class final exam period is based on the meeting pattern listed on the first line of the class entry of the Schedule of Classes. For example, a class section is listed in the Schedule of Classes on two lines in the following manner:

   T R 8:00 – 8:50
   W  9:00 – 10:50

   The starting time listed for the first line of the meeting pattern is 8:00. The days listed for the first line of the meeting pattern are TR, and therefore are in the category 8:00 or 8:30 on TR. Using the Fall 2014 Final Exam Schedule grid, it is determined that this course’s final exam period is Tuesday, December 9, from 8:00 - 9:45a.m.

2. Classes should plan to hold their final exams in their regularly scheduled classrooms. The Academic Scheduling Office will forward departments information relative to the location of their exams for those classes that cannot hold their final exams in their regularly scheduled rooms due to a space conflict. This will be done in advance of the final exam week to provide adequate notice for all.

   Classes that meet less than the entire semester should hold their exams during the last regularly scheduled class session prior to the formal final exam week.

   It is a policy of the University that no final exam be given prior to the scheduled final exam period, and that students be given their exams at the designated times listed on the Fall 2014 Final Exam Schedule grid. Any deviation from this policy must be approved by the Dean of the College.

3. Students who find they have more than three exams on the same day may petition, and students who have two exams scheduled at the same time should petition their Dean for approval to take an exam during the make-up exam period on the last day of final exam week. Provision for such a make-up exam period does not mean that students may decide to miss the scheduled exam time to make it up during this make-up period. This period is to be used only for students whose petitions have been approved by their Dean.

4. Students who must miss a final exam may not take the exam before the time scheduled for the class exam. Information relative to the proper grade to be given students who miss a final exam and are not involved in a situation covered in Section 3 can be found in the memorandum forwarded to members of the instructional staff when they receive the final grade listing for the recording of grades.

5. Classes with a special common exam time.

<table>
<thead>
<tr>
<th>Class Codes</th>
<th>Exam Date</th>
<th>Exam Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI 120 and 220</td>
<td>Tue, 12/9</td>
<td>4:00-5:45</td>
</tr>
<tr>
<td>ENGL 101, 102, and 120h</td>
<td>Mon, 12/8</td>
<td>4:00-5:45</td>
</tr>
<tr>
<td>FIN 330</td>
<td>Tue, 12/9</td>
<td>6:00-7:45</td>
</tr>
<tr>
<td>KIN 101</td>
<td>Wed, 12/10</td>
<td>6:00-7:45</td>
</tr>
<tr>
<td>MATH 101, 107, 108, 109, 111, 125, 139, 140, 150, 220, and 250</td>
<td>Tue, 12/9</td>
<td>4:00-5:45</td>
</tr>
<tr>
<td>PSYC 102</td>
<td>Mon, 12/8</td>
<td>6:00-7:45</td>
</tr>
</tbody>
</table>

6. One credit hour courses and classes that meet for less than the full semester should hold their exams during the last regularly scheduled class session prior to the formal final exam week.
IMPORTANT DATES *
Semester Class Begins .................. 08/18/2014
Last day to add a class (without instructor permission): 08/24/2014
Last day to withdraw completely and receive a 100% refund: 08/31/2014
Last day to drop a course using SalukiNet: 10/26/2014
Last day to file diploma application (for name to appear in Commencement program): 12/8–12/12/2014
Final examinations: 12/8–12/12/2014

Note: For outreach, internet, and short course drop/add dates, visit Registrar’s Academic webpage: http://registrar.siu.edu/

FALL SEMESTER HOLIDAYS
Labor Day 09/01/2014
Fall Break 10/11—10/14/2014
Veterans Day 11/11/2014
Thanksgiving Vacation 12/26—11/30/2014

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

INCOMPLETE POLICY ~ Undergraduate only
An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken, or graduation, whichever occurs first. Should the student fail to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken, or graduation, whichever occurs first, the incomplete will be converted to a grade of F and the grade will be computed in the student’s grade point average. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than two times (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A,B,C,D, or F, the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad-catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM CODE

SIU CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or siucares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
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INCLUSIVE EXCELLENCE
SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well as an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

MORRIS LIBRARY HOURS
http://www.lib.siu.edu/about

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:
Tutoring : http://tutoring.siu.edu/
Math Labs http://tutoring.siu.edu/math_tutoring/index.html

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:
SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin
ADVISEMENT: http://advisement.siu.edu/
PROVOST & VICE CHANCELLOR: http://pcaa.siu.edu/
SIU ONLINE: http://online.siu.edu/