SYLLABUS
Physics 203A: College Physics
Instructor: April Hendley
Fall 2015

I. TIME/PLACE: 12:35 p.m.-1:50 p.m. Tues. and Thurs. Neckers 440 (Lecture Hall).

II. CONTACT INFORMATION for Ms. Hendley
Office: Neckers 462
Phone: 618-453-2272
Email: ahendley@siu.edu
Office Hours: Monday: 1:00 pm - 3:00 pm
               Tuesday: 10:00 am - 11:00 am
               Wednesday: 1:00 pm - 3:00 pm
               Thursday: 10:00 am - 11:00 am
               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 mechanics, heat, and sound.
   - 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. Late homework will only be accepted for the documented reasons outlined in the Missed Work Policy below.
Quizzes:
There will be four short (~10 minutes) quizzes during the semester. The lowest quiz score will be dropped. Late quizzes will only be accepted for the documented reasons outlined in the Missed Work Policy below.

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 Work Policy).

Missed Work Policy:
Valid reasons for missing homework due dates, quizzes, and exams 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 Tuesday, Dec. 15 from 12:30 p.m. to 2:30 p.m. in Neckers 440.

VI. GRADES

Breakdown:

<table>
<thead>
<tr>
<th></th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Homework:</td>
<td>24%</td>
</tr>
<tr>
<td>Quizzes:</td>
<td>12%</td>
</tr>
<tr>
<td>Midterm Exams:</td>
<td>34%</td>
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<tr>
<td>Final Exam:</td>
<td>30%</td>
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**TENTATIVE** 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 schedule is subject to change due to time considerations.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Exam/Quiz</th>
<th>Chapter #</th>
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<tbody>
<tr>
<td>Aug. 24</td>
<td></td>
<td>1: Introduction, Dimensions, and Units</td>
</tr>
<tr>
<td>Aug. 31</td>
<td></td>
<td>2: Kinematics in 1D, Trigonometry, Vectors</td>
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<tr>
<td>Sept. 7</td>
<td>Quiz 1</td>
<td>2: Kinematics in 1D, Trigonometry, Vectors</td>
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<td>Sept. 14</td>
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<td>3: Kinematics in 2D</td>
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<td>Sept. 21</td>
<td>Exam 1</td>
<td>4: Forces and Newton’s Laws</td>
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<tr>
<td>Sept. 28</td>
<td></td>
<td>4: Forces and Newton’s Laws</td>
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<tr>
<td>Oct. 5</td>
<td>Quiz 2</td>
<td>5: Circular Motion</td>
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<tr>
<td>Oct. 12</td>
<td></td>
<td>Monday and Tuesday: No Class: Fall Break</td>
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<td>Oct. 19</td>
<td></td>
<td>6: Work and Energy</td>
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<tr>
<td>Oct. 26</td>
<td>Exam 2</td>
<td>6: Work and Energy</td>
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<tr>
<td>Nov. 2</td>
<td></td>
<td>7: Momentum</td>
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<tr>
<td>Nov. 9</td>
<td>Quiz 3</td>
<td>8: Rotational Kinematics</td>
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<td>Nov. 16</td>
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<td>9: Rotational Dynamics</td>
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<td>Nov. 23</td>
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<td>10: Simple Harmonic Motion and Elasticity</td>
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<tr>
<td>Nov. 30</td>
<td>Exam 3</td>
<td>11: Fluids</td>
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<tr>
<td>Nov. 30</td>
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<td>12: Temperature and Heat</td>
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<td>Nov. 30</td>
<td></td>
<td>13: Transfer of Heat</td>
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<td>Nov. 30</td>
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<td>Wed., Thurs., and Fri.: No Class: Thanksgiving</td>
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<tr>
<td>Nov. 30</td>
<td>Exam 3</td>
<td>14: Ideal Gas Law and Kinetic Theory</td>
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<td>Nov. 30</td>
<td></td>
<td>15: Thermodynamics</td>
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<td>Dec. 7</td>
<td>Quiz 4</td>
<td>16: Waves and Sound</td>
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<td>Dec. 15</td>
<td>Final Exam</td>
<td>17: Linear Superposition and Interference</td>
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<td></td>
<td></td>
<td>Review for Final Exam</td>
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**Tuesday, Dec. 15: 12:30 pm - 2:30 pm**
Syllabus Attachment
Fall 2015
http://pvcaz.siu.edu/

IMPORTANT DATES
Semester Class Begins .................................................. 08/24/2015
Last day to add a Class (without instructor permission):.......... 08/30/2015
Last day to withdraw completely and receive a 100% refund: ....... 09/06/2015
Last day to drop a course using SalukiNet............................... 11/01/2015
Last day to file diploma application (for name to appear in Commencement program) ............................................. 09/15/2015
Final examinations: .................................................... 12/14/2015-12/18/2015

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

FALL SEMESTER HOLIDAYS
Labor Day Holiday 09/07/2015
Fall Break 10/10–10/13/2015
Veterans Day Holiday 11/11/2015
Thanksgiving Vacation 11/23–11/29/2015

WITHDRAWAL POLICY—Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form must 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/gradcatalc1314.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/gradcatalc1314.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

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

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI 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 salukicares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Please reference the Building Emergency Response Protocols for Syllabus attachments on the following pages. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency.

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.inclusivenessiu.siu.edu/

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 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
ADVICEMENT: http://advisement.siu.edu/
SIU ONLINE: http://online.siu.edu/

Fall 2015 R.O’Kane