I. TIME/PLACE  Delivered and completed entirely on SIU Online (online.siu.edu) during the Spring 2016 semester. Please see the Syllabus Attachment - Spring 2016 for important information and dates.

II. REQUIRED RESOURCES

You must go through the green Pearson widget (Pearson's My Lab and Mastering) on our homepage to register with Mastering Physics. If you do not have the access card already, you can obtain access to Mastering Physics through this widget.


Options:
1) MasteringAstronomy CODE ONLY (includes eText) - ISBN 9780321870285
2) Loose-leaf text + Modified MasteringAstronomy - ISBN 9780321962942
3) Package, text + Modified MasteringAstronomy - ISBN 9780321973474

INTERNET CONNECTION and a computer with minimum requirements below: http://www.pearsonmylabandmastering.com/northamerica/educators/mm-support/system-requirements/

III. COURSE OBJECTIVES

The student will be able to describe the properties of light and how it is generated, describe and apply Newton's Laws, describe the source of energy for stars, the solar system and its major bodies, the life cycle of a star, and the properties of galaxies.

IV. COURSE STRUCTURE

The entire course is delivered through SIU Online. The course is divided into learning modules. These modules come with reading assignments. Notes will normally be provided in PDF format. However, certain concepts will require explanation, using occasional audio and video. Materials will be posted online throughout the semester.

Labs - virtual observations - contain interactive content. These observations will be delivered using Pearson's My Lab and Mastering through our SIU Online (D2L) page for the course. These simulations reinforce the concepts being learned. Questions are asked covering the observation and results. There will be a total of fourteen virtual
observations. We will drop the lowest observation grade. No late observations will be accepted.

Homework assignments will be assigned each module. These assignments will be delivered using Pearson’s My Lab and Mastering through our SIU Online (D2L) page for the course. Seven homework assignments will be given and the six best will be counted towards the final grade. No late homework will be accepted.

There are quizzes covering each module. These quizzes will be taken at the end of each learning module. The quizzes will be written in a manner that resembles the exams. There are seven quizzes that will be administered on SIU Online and the six best will be counted towards the final grade. Each quiz will consist of 1 attempt and will only be open for a limited time. Quiz 1, however, will allow for 2 attempts with only the highest grade taken, in an effort to allow you some extra practice. Please do not start the quiz unless you are completely ready. They are timed. There are no late or make-up quizzes.

The term paper must be your own creation. The topic is The Big Bang. The paper must be submitted on time to the Dropbox in Word format and it must be original. It will be about 3 pages double spaced with citations. Specific guidelines are posted on your course website in the START HERE folder.

The midterm exam must be proctored. The midterm exam covers modules 1-4.

The final exam is comprehensive (modules 1-7) and must be proctored.

PROCTORING information is posted in the START HERE folder under Exams.

V. GRADES

(a) Grade Breakdown:

- Labs: 20%
- Homework: 12.5%
- Quizzes: 12.5%
- Term Paper: 10%
- Midterm exam: 20%
- Final exam: 25%

(b) Grade Scale:

- A: 85-100%
- B: 75-84%
- C: 65-74%
- D: 50-64%
- F: 0-49%
VI. THE COURSE WEBSITE – https://online.siu.edu/

You must go to the above website, sign in, and follow the link to PHYS 103. On the site you can get the following:
(1) Notes
(2) Important announcements and due dates
(3) The syllabus attachment
(4) Homeworks
(5) The virtual observations
(6) Access to quizzes and exams
(7) Grades!

VII. CONTACT

Dr. Richard West
Email: rdwest@siu.edu

TENTATIVE SCHEDULE OVERVIEW - PHYS 103 - Online
See website (https://online.siu.edu/) for all due dates

<table>
<thead>
<tr>
<th>Week of class</th>
<th>Activities</th>
<th>Topics</th>
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<tbody>
<tr>
<td>1&amp;2</td>
<td>Learn SIU Online</td>
<td>The Sky</td>
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<tr>
<td></td>
<td>Virtual Labs 1&amp;2, Homework 1</td>
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<tr>
<td>3&amp;4</td>
<td>Quiz 1</td>
<td>Light and Telescopes</td>
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<td></td>
<td>Virtual Labs 3&amp;4, Homework 2</td>
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<tr>
<td>5&amp;6</td>
<td>Quiz 2</td>
<td>Solar System</td>
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<td></td>
<td>Virtual Labs 5&amp;6, Homework 3</td>
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<tr>
<td>7&amp;8</td>
<td>Quiz 3</td>
<td>Terrestrial and Jovian Planets</td>
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<td></td>
<td>Virtual Labs 7&amp;8, Homework 4</td>
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<tr>
<td>9&amp;10</td>
<td>Quiz 4, MIDTERM EXAM</td>
<td>The Sun and Star Formation</td>
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<td></td>
<td>Virtual Labs 9&amp;10, Homework 5</td>
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<tr>
<td>11&amp;12</td>
<td>Quiz 5</td>
<td>Stars and Galaxies</td>
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<td></td>
<td>Virtual Labs 11&amp;12, Homework 6</td>
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<td>13&amp;14</td>
<td>Quiz 6</td>
<td>Dark Matter and the Universe</td>
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<td></td>
<td>Virtual Labs 13&amp;14, Homework 7</td>
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<td>15&amp;16</td>
<td>Quiz 7</td>
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<td>FINAL EXAM</td>
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</table>
IMPORTANT DATES *

Semester Class Begins .................................................. 01/19/2016
Last day to add a class (without instructor permission) .......... 01/24/2016
Last day to withdraw completely and receive a 100% refund ...... 01/31/2016
Last day to drop a course using SalukiNet: ...................... 04/03/2016
Last day to file diploma application (for name to appear in Commencement program): ................................. 02/12/2016

Final examinations: ....................................................... 05/09–05/13/2016

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

SPRING SEMESTER HOLIDAYS

Martin Luther King, Jr.'s Birthday Holiday 01/18/2016
Spring Break 03/12–03/20/2016

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/catalog/undergraduatemcatalog.html]

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/catalog/undergraduatemcatalog.html]

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

Student Conduct Code [http://aar.siu.edu/student_conduct_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 siucares@siu.edu, [http://salukicare.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 you to become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. 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 at www.dps.siu.edu (disaster drop down) and the Emergency Response Guideline pamphlet. 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.

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 an essential preparation for any career. For more information please visit: [http://www.inclusiveexcellence.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://math.siu.edu/courses/course-help.php]

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://wnte.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/sp/home/displaylogin]
ADVISEMENT: [http://advisement.siu.edu/]
PROVOST & VICE CHANCELLOR: [http://pvcaa.siu.edu/]
SIU ONLINE: [http://online.siu.edu/]

Spring 2016 R.O'Rourke