PHYSICS 222

The class covers Relativity, Models of the Atom, Introduction to Quantum Mechanics and a summary of Radioactivity and Nuclear Physics.

SPRING 2016

Instructor: Dr. T. W. Adair
Office: PHYSICS (MPHY) Room 310
Phone: 847-9452
Email: tadair@tamu.edu
Web: http://faculty.physics.tamu.edu/adair/

Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Homework</td>
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<tr>
<td>Hour Exams (3)</td>
<td>300</td>
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<td>Final Exam</td>
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Total Points = 500

EXAM DATES: Exams will be at 7:30 p.m. on Monday nights in MPHYS Room 203, 204, and 205.

February 8, Monday (MPHY 203, 204, 205)
March 7, Monday (MPHY 203, 204, 205)
April 18, Monday (MPHY 203, 204, 205)

FINAL EXAM DATE:

12:30pm May 5 – Final Exam for class meeting T/Tu at 9:35 am
1:00 pm May 6 – Final Exam for class meeting T/Tu at 8:00 am

Textbook: Modern Physics (Third Edition)
By Serway, Moses and Meyer

Office Hours: Monday – Wednesday from 2:00 to 4:00 p.m. Other times appointment by email.
ADA statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 979-845-1637. For additional information visit http://disability.tamu.edu.

PHYSICS 222

SPRING 2016

READING ASSIGNMENTS

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Assignments

Week of:

January 18     Chapter 1  Sections 1.1 – 1.5
January 25     Chapter 1, Sections 1.6 – 1.7
February 1      Chapter 2, Sections 2.1 – 2.5
February 8     February 8 EXAM A
February 8      Chapter 3, Sections 3.1 – 3.3
February 15    Chapter 3, Sections 3.4 – 3.7
February 22    Chapter 4, Sections 4.1 – 4.2
February 29    Chapter 4, Sections 4.3 – 4.4
March 7       March 7 EXAM B
March 7    Chapter 5-7, Introduction
March 21      Chapter 5, Sections 5.1 - 5.8
March 28      Chapter 6, Sections 6.1 – 6.8
April 4       Chapter 7, Sections 7.1 – 7.2
April 11     Chapter 7 Review
April 20      April 20 EXAM C
April 18     Chapter 13, Sections 13.1 – 13.2; 13.4 – 13.6
April 25     Chapter 14, Sections 14.1 – 14.6

FINAL EXAMS

May 5 at 12:30 – Final Exam for class meeting at 9:35 am
May 6 at 1:00 pm – Final Exam for class meeting at 8:00 am
# PHYSICS 222

## SPRING 2016 HOMEWORK ASSIGNMENTS

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<thead>
<tr>
<th>HOMEWORK</th>
<th>DUE</th>
<th>Chapter</th>
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<td>January 28</td>
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