PHYSICS 122

Dr. S. M. Neuder **Instructor:**

Contact: E-mail: neuder@umd.edu,

Rm 1214 Physics: Mon 1-3 pm; Thurs 1-3 pm; or by appointment

Spring 2007, <u>Tues</u> 7 – 8:50 pm; <u>Thurs</u> 7 – 7:50 pm **Lecture:**

First meeting – Thurs 1/25/07; Rm 1410 Physics

www.physics.umd.edu; academics; courses; physics 122; Dr. Neuder Syllabus:

College Physics, 7th Ed. Vol. 2, Serway/Faughn Text:

Physics 122 Tutorial and Laboratory Manual, Spring 2005 Ed.

Course: This course covers Chapters 15 - 20 and Chapters 22 - 25 in detail.

The course also covers selected topics in Chapters 21, 27, 28, and 29.

Homework is assigned every week using the exercises found at the Homework:

> end of each chapter. Homework is due one week after assigned and should be turned in at the start of the Lecture meeting. Your score for each assignment will be based on completeness and a randomly selected problem within the set assigned. You must show your work on each homework problem. Credit will not be given otherwise. Solutions will be posted at a time and location to be announced so that you can check your work. Homework submittals cannot be accepted after the solutions are posted. You are strongly urged to do and understand the assigned homework exercises since test

questions will be similar to those assigned.

Attendance is required at Lectures, Labs, and Tutorials. Attendance **Attendance:**

is a subset of participation and is a part of your final letter grade.

Participation: Participation (which includes attendance) is part of your letter grade.

Participation in Lecture means answering and discussing simple conceptual or computational questions provided during the Lecture.

There are 5 exams and a final exam for the semester. Each exam will **Exams:**

cover about two chapters of text material. The final exam will be cumulative but there will be preparatory guidance as to its focus. Exams will include questions similar to the homework, as well as aspects of your work in Lab and Tutorial. Exam time will likely be

less than one hour. Your lowest exam score is dropped.

Missed exams: There are two options for making up a missed exam. These options

will be discussed during Lecture.

Course Grade: Final Exam...... 200 points

Tests (best four of five)400 Lab......200 Tutorial......200 Participation (Lecture).....100 1300

It is likely (no guarantee) that students accumulating ≥ 85 % will be candidates for an A, >75 % a B, etc.

SYLLABUS

| PHYSICS 122 | JAN-MAY 2007 | DR. S. M. NEUDER |
|-------------|---------------------|------------------|
| | | |

| DATE | СНРТ | TOPICS | ASSIGNMENT |
|---------------|---|--|----------------------------------|
| Jan 25, 2007 | 15 | Electric Forces and Fields | Ch. 15: 4, 16, 18 |
| Jan 30 | 15 | " " | 20, 22, 26, 50 |
| Feb 1 | 15, 16 | Electric Energy/Capacitance | Ch. 16: 2, 9, 15 |
| Feb 6 | 16 | " | 28, 29, 32, 34 |
| Feb 8 | 16 | " | |
| Feb 13 | • | •••••• | TEST 1 (Ch 15, 16) |
| Feb 13 | 17 | Current and Resistance | Ch. 17: 23, 26, 32 |
| Feb 15 | 17 | " | 34, 54, 55, 63 |
| Feb 20 | 18 | Direct Current Circuits | Ch. 18: 2, 11, 12, 20 |
| Feb 22 | 18 | " " | 27, 29, 37, 64 |
| Feb 27 | | | TEST 2 (Ch 17, 18) |
| Feb 27 | 19 | Magnetism | Ch. 19: 7, 8, 9, 14 |
| Mar 1 | 19 | 66 | 18, 26, 30, 31 |
| Mar 6 | 19, 20 | Induced Voltage/Inductance | Ch. 20: 14, 15, 16, 20 |
| Mar 8 | 20 | 66 66 | 22, 28, 46a,b, 50 |
| Mar 13 | 20 | 66 66 | |
| Mar 15 | 21 El | ectromagnetic Waves | Ch. 21: 43, 49, 51, 52, 65 |
| Mar 20 | - | Spring Break | |
| Mar 22 | - | " | |
| Mar 27 | ••••• | ••••• | TEST 3 (Ch 19, 20, Waves) |
| Mar 27 | 22 | Reflection/Refraction of Light | Ch. 22: |
| Mar 29 | 22 | 66 66 | |
| Apr 3 | 22, 23 | Mirrors and Lenses | Ch. 23: |
| Apr 5 | 23 | 66 66 | |
| Apr 10 | 23 | " | |
| Apr 12 | 24 | Wave Optics | Ch. 24: |
| Apr 17 | | | TEST 4 (Ch 22, 23) |
| Apr 17 | 24 | Wave Optics | |
| Apr 19 | 24 | " | |
| Apr 24 | 25 | Optical Instruments | Ch. 25: |
| Apr 26 | 25 | 66 66 | |
| May 1 | 27 | Quantum Physics (selected topics) | |
| May 3 | 28 | Atomic Physics (selected topics) | Ch. 28: |
| May 8 | | | TEST 5 (Ch 24, 25, 27, 28) |
| May 8 | 29 | Nuclear Physics (Selected topics) | Ch. 29: |
| May 10 | - | Selected review/discussion for the | |
| May 15 | • | | FINAL EXAM |

SYLLABUS JAN-MAY 2007

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| PHYSICS | 122 | |

DR. S. M. NEUDER

| Jan 25, 2007 15 | DATE | CHPT | TOPICS | ASSIGNMENT |
|--|---------------|---|--|----------------------------------|
| Teb 15, 16 Electric Energy/Capacitance Ch. 16: 2, 9, 15 | Jan 25, 2007 | 15 | Electric Forces and Fields | Ch. 15: 4, 16, 18 |
| Feb 6 16 " " 28, 29, 32, 34 Feb 8 16 " " TEST 1 (Ch 15, 16) Feb 13 17 Current and Resistance Ch. 17: 23, 26, 32 Feb 15 17 " 34, 54, 55, 63 Feb 20 18 Direct Current Circuits Ch. 18: 2, 11, 12, 20 Feb 22 18 " " 27, 29, 37, 64 Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19, 20 Induced Voltage/Inductance Ch. 19: 7, 8, 9, 14 Mar 1 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " 22, 28, 46a,b, 50 Mar 13 20 " " Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 54, 63, 65 Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Ch. 22: 13, 27, 31, Mar 29 22 " " TEST 3 (Ch 19, 20, Waves) Ch. 23: 5, 7, 14, 25, 29, 42, 5 | Jan 30 | 15 | " " | 20, 22, 26, 50 |
| Feb 8 16 " " " Feb 13 17 Current and Resistance Ch. 17: 23, 26, 32 Feb 15 17 " 34, 55, 63 Feb 20 18 Direct Current Circuits Ch. 18: 2, 11, 12, 20 Feb 22 18 " " " 27, 29, 37, 64 Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " " 22, 28, 46a,b, 50 Mar 13 20 " " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " Mar 27 22 Reflection/Refraction of Light Mar 29 22 " " " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 34, 38, 43 Apr 10 23 " " " " Apr 10 23 " " " " " 29, 42, 53 Apr 10 23 " " " " " " 29, 42, 53 Apr 17 | Feb 1 | 15, 16 | Electric Energy/Capacitance | Ch. 16: 2, 9, 15 |
| Feb 13 10 TEST 1 (Ch 15, 16) Feb 13 17 Current and Resistance Ch. 17: 23, 26, 32 Feb 15 17 " 34, 54, 55, 63 Feb 20 18 Direct Current Circuits Ch. 18: 2, 11, 12, 20 Feb 22 18 " " 27, 29, 37, 64 Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " 22, 28, 46a,b, 50 Mar 13 20 " " 22, 28, 46a,b, 50 Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Apr 10 Spring Break 54, 63, 65 Mar 22 - " " TEST 3 (Ch 19, 20, Waves) Ch. 21: 43, 49, 51, 52, Spring Break Ch. 22: 13, 27, 31, Ch. 22: 13, 27, 31, Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Ch. 22: 13, 27, 31, Mar 29 | Feb 6 | 16 | " " " | 28, 29, 32, 34 |
| Feb 13 17 Current and Resistance Ch. 17: 23, 26, 32 Feb 15 17 " 34, 54, 55, 63 Feb 20 18 Direct Current Circuits Ch. 18: 2, 11, 12, 20 Feb 22 18 " " Feb 22 18 " " Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " Mar 13 20 " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 " " 29, 42, 53 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 16 23 " | Feb 8 | 16 | " " | |
| Feb 15 17 " 34, 54, 55, 63 Feb 20 18 Direct Current Circuits Ch. 18: 2, 11, 12, 20 Feb 22 18 " " 27, 29, 37, 64 Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 13 20 " " 22, 28, 46a,b, 50 Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, 54, 63, 65 Mar 20 - Spring Break 54, 63, 65 54, 63, 65 Mar 27 - " " TEST 3 (Ch 19, 20, Waves) Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 10 23 " " 29, 42, 53 Apr 17 24 Wave Optics Ch. 24: 7, 12, 14, 22, Apr 17 24< | Feb 13 | • • • • • • • • • • • • • | ••••• | TEST 1 (Ch 15, 16) |
| Feb 20 | Feb 13 | 17 | Current and Resistance | Ch. 17: 23, 26, 32 |
| Feb 27 19 Magnetism Ch. 19: 7, 8, 9, 14 Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " Mar 13 20 " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 27 - " " Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 Reflection/Refraction of Light Ch. 23: 5, 7, 14, 25, Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " Apr 10 23 " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, Apr 17 24 Wave Optics Ch. 25: 3, 8, 10, 16, Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25< | Feb 15 | 17 | " | 34, 54, 55, 63 |
| Feb 27 | Feb 20 | 18 | Direct Current Circuits | Ch. 18: 2, 11, 12, 20 |
| Test | Feb 22 | 18 | " " | 27, 29, 37, 64 |
| Test | | | | |
| Mar 1 19 " 18, 26, 30, 31 Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " Mar 13 20 " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 27 2 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 " " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " 29, 42, 53 Apr 10 23 " " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 24 Wave Optics Ch. 25: 3, 8, 10, 16, 17, 28, 37 Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 8 29 Nuclear Physics (Selected topics) Ch | Feb 27 | • | ••••• | TEST 2 (Ch 17, 18) |
| Mar 6 19, 20 Induced Voltage/Inductance Ch. 20: 14, 15, 18, 20 Mar 8 20 " " " " 22, 28, 46a,b, 50 Mar 13 20 " " " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " " Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 " " " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " " " Apr 10 23 " " " Apr 12 24 Wave Optics Apr 17 24 Wave Optics Apr 17 24 Wave Optics Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " " " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 Ch. 28: 8, 11, 12, 27, 34, 38 < | Feb 27 | 19 | Magnetism | Ch. 19: 7, 8, 9, 14 |
| Mar 8 20 " " " " Mar 13 20 " " " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " TEST 3 (Ch 19, 20, Waves) Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 " " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " " 29, 42, 53 Apr 10 23 " " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, Apr 17 24 Wave Optics TEST 4 (Ch 22, 23) Apr 17 24 Wave Optics Ch. 25: 3, 8, 10, 16, Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 | Mar 1 | 19 | " | 18, 26, 30, 31 |
| Mar 13 20 " " " Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " Mar 27 22 Reflection/Refraction of Light Mar 29 Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 10 23 " " " " " " " " " " " " " " " " " " " | Mar 6 | 19, 20 | Induced Voltage/Inductance | Ch. 20: 14, 15, 18, 20 |
| Mar 15 21 Electromagnetic Waves Ch. 21: 43, 49, 51, 52, Mar 20 - Spring Break 54, 63, 65 Mar 27 - " TEST 3 (Ch 19, 20, Waves) Mar 27 22 Reflection/Refraction of Light Ch. 22: 13, 27, 31, Mar 29 22 " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " Apr 10 23 " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, Apr 17 24 Wave Optics Apr 19 24 " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " " Apr 26 25 " " Apr 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 Ch. 27: 2, 13, 14, 19, 24, 30, 35 Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 28: 8,11,12,27,34,38 May 10 - | Mar 8 | 20 | " | 22, 28, 46a,b, 50 |
| Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " Mar 27 22 Reflection/Refraction of Light and Lenses Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses are are an entire and Lenses and Len | Mar 13 | 20 | 66 66 66 | |
| Mar 20 - Spring Break 54, 63, 65 Mar 22 - " " Mar 27 22 Reflection/Refraction of Light and Lenses Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 5 23 " " Apr 10 23 " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 24 Wave Optics TEST 4 (Ch 22, 23) Apr 19 24 " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | Mar 15 | 21 El | ectromagnetic Waves | Ch. 21: 43, 49, 51, 52, |
| Mar 27 22 Reflection/Refraction of Light Mar 29 Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 5 23 " " " " " " " " " " " " " " " " " " " | Mar 20 | - | | 54, 63, 65 |
| Mar 27 22 Reflection/Refraction of Light Mar 29 Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 5 23 " " Apr 10 23 " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 24 Wave Optics TEST 4 (Ch 22, 23) Apr 19 24 " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | Mar 22 | - | 66 66 | |
| Mar 27 22 Reflection/Refraction of Light Mar 29 Ch. 22: 13, 27, 31, 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, 29, 42, 53 Apr 5 23 " " Apr 10 23 " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 24 Wave Optics TEST 4 (Ch 22, 23) Apr 19 24 " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | Mar 27 | | ••••• | TEST 3 (Ch 19, 20, Waves) |
| Mar 29 22 " " " 34, 38, 43 Apr 3 22, 23 Mirrors and Lenses Ch. 23: 5, 7, 14, 25, Apr 5 23 " " " 29, 42, 53 Apr 10 23 " " " " Apr 12 24 Wave Optics Apr 17 24 Wave Optics Apr 19 24 " " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | Mar 27 | 22 | Reflection/Refraction of Light | |
| Apr 5 23 " " " 29, 42, 53 Apr 10 23 " " " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 | Mar 29 | 22 | " | 34, 38, 43 |
| Apr 5 23 " " " 29, 42, 53 Apr 10 23 " " " " Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 | Apr 3 | 22, 23 | Mirrors and Lenses | Ch. 23: 5, 7, 14, 25, |
| Apr 12 24 Wave Optics Ch. 24: 7, 12, 14, 22, 24, 30, 39 Apr 17 | Apr 5 | 23 | 66 66 | 29, 42, 53 |
| Apr 17 | Apr 10 | 23 | 66 66 | |
| Apr 17 | Apr 12 | 24 | Wave Optics | Ch. 24: 7, 12, 14, 22, |
| Apr 17 24 Wave Optics Apr 19 24 " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 24, 30, 35 Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | - | | - | |
| Apr 17 24 Wave Optics Apr 19 24 " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 24, 30, 35 Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | | | | |
| Apr 19 24 " " Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " " " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 24, 30, 35 Ch. 28: 8,11,12,27,34,38 May 8 29 Nuclear Physics (selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | Apr 17 | • • • • • • • • • • • | ••••• | TEST 4 (Ch 22, 23) |
| Apr 24 25 Optical Instruments Ch. 25: 3, 8, 10, 16, Apr 26 25 " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 24, 30, 35 May 8 Ch. 28: 8,11,12,27,34,38 May 8 TEST 5 (Ch 24, 25, 27, 28) May 8 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 Selected review/discussion for the final exam | Apr 17 | 24 | Wave Optics | |
| Apr 26 25 " " 17, 28, 37 May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 | Apr 19 | 24 | 66 66 | |
| May 1 27 Quantum Physics (selected topics) Ch. 27: 2, 13, 14, 19, 24, 30, 35 May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 | Apr 24 | 25 | Optical Instruments | Ch. 25: 3, 8, 10, 16, |
| May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 | Apr 26 | 25 | 66 66 | 17, 28, 37 |
| May 3 28 Atomic Physics (selected topics) Ch. 28: 8,11,12,27,34,38 May 8 | May 1 | 27 | Quantum Physics (selected topics) | Ch. 27: 2, 13, 14, 19, |
| May 8 | | | | 24, 30, 35 |
| May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | May 3 | 28 | Atomic Physics (selected topics) | Ch. 28: 8,11,12,27,34,38 |
| May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | • | | · - / | |
| May 8 29 Nuclear Physics (Selected topics) Ch. 29: 16, 18, 22, 26, 38 May 10 - Selected review/discussion for the final exam | May 8 | ••••• | ••••• | TEST 5 (Ch 24, 25, 27, 28) |
| v | | | | Ch. 29: 16, 18, 22, 26, 38 |
| Mov 15 | May 10 | - | Selected review/discussion for the | final exam |
| May 15 <u>FINAL EAAM</u> | • | • • • • • • • • • • • | ••••• | FINAL EXAM |