Course Syllabus

Lecturer: Dr. D. J. Drake  
Email: djdrake@valdosta.edu  
Website: http://mypages.valdosta.edu/djdrake/index.html  
Office: Nevins Hall 2210  
Office hours: T&R 12:30-1:30 pm, F 12:00-1:30 pm, and by appointment

Suggested Textbooks:  

Prerequisite: PHYS 2211K

Course Credit: 1

Course Schedule: F 11:00am-11:50am, NH 3031  
Lectures will be devoted to discussing and clarifying material, to working illustrative problems, and to demonstrating physical principles and their applications. Your experience will be most rewarding if you read and complete any pre-lecture assignments before coming to lecture. You may not understand all the material, but a prior reading of the notes will help you focus your attention on the portion of the lecture that covers it. As soon after lecture as possible, study the notes you took in class. You must bring a scientific calculator to all class sections. *Please note that a cell phone cannot be used in place of a calculator at any time in the course, this includes, but is not limited to, tests, and exams.*

Course Description: A preparatory course for the upper-division physics curriculum. An overview of physics developed in the last century. Topics include the special theory of relativity, the particle-wave duality, matter waves, Schrödinger’s equation, and condensed matter physics.

Educational Outcomes:  
1. Students will demonstrate knowledge in the field of modern physics.  
2. Students will identify, evaluate, and apply appropriate models, concepts, or principles to issues, and they will produce viable solutions or make relevant inferences.

Final Course Grade: A letter grade is determined only at the end of the term. Course grades will be based on test grades, final exam grade, assigned homework, laboratory work, and quizzes. The relative weight is the following:  
   Final Exam: 40%  
   Mid-term Exam: 40%  
   Homework: 20%
The course grading scale will be follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>90% - 100%</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% - 69%</td>
</tr>
<tr>
<td>F</td>
<td>0 - 59%</td>
</tr>
</tbody>
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**Final Exam:** The final comprehensive exam for this class will be on Thursday, December 10, 2015 at 10:15am. You will be allowed to bring scratch paper and a pen/pencil. A make-up test can be granted only if the absence is considered an excused absence as listed in the attendance policy below.

**Mid-term Exam:** During this semester you will have one closed book exam, which will be given on October 2nd. You will be allowed to bring scratch paper and a pen/pencil. A make-up test can be granted only if the absence is considered an excused absence as listed in the attendance policy below.

**Homework Assignments:** Homework will be given on a weekly basis on the material discussed in class. All assignments are due on the date and time listed. In addition, short writing assignments will be given as part of the homework. All written assignments must be typed with 12 point Times New Roman font and be double spaced throughout. The papers must have proper grammar and spelling. Information regarding length of assignments will be described in class or on the homework assignment handout. No make-ups will be given for missed homework assignments.

**Attendance Policy:** The university attendance policy states, "The university expects that all students shall regularly attend all scheduled class meetings held for instruction or examination." An attendance sheet will be provided at all lectures, recitation, and laboratory meetings. You are expected to sign the sheet for all scheduled sessions. In addition, "All students are held responsible for knowing the specific attendance requirements as prescribed by their instructor. . . . When students are to be absent from class, they should immediately contact the instructor. A student who misses more than 20% of the scheduled classes of a course will be subject to receiving a failing grade in the course.” Any student missing more than 20% of the lecture and recitation sections will automatically receive a failing grade for the course. Alternatively, any student missing 20% or more of the assigned laboratory sessions will be subject to a failing grade for the entire course. For this course that is equivalent to missing 3 lectures.

There are six categories of acceptable reasons under which a student may request a make-up test or exam. Make-up tests will be determined by the professor and at the sole discretion of the professor. These assignments may or may not exactly duplicate the original test or exam.

- **Death or serious illness in the immediate family.** The immediate family includes spouse, children, parent, siblings, grandparents and uncles/aunts. Verification may be required.
- **Serious illness or injury of the student.** A physician/health care professional must be consulted about the injury or illness, and home-rest or hospitalization that would prevent your attendance, must be prescribed. **Required Verification: A**
letter from the student’s physician is required, noting the duration of the time that
the student was directed to rest at home.

- **Court ordered appearances or a call to jury duty. Required Verification:** A
copy of the official notification.

- **Military duty and deployments. Required Verification:** A duty bill, note from
the commanding officer or a copy of the deployment orders is required.

- **Religious prohibitions.** Verification may be required.

- **Collegiate Athlete.** Verification required

**Student Opinion of Instruction (SOI):** At the end of the term, all students will be expected to
complete an online Student Opinion of Instruction survey (SOI) that will be available on
BANNER. Students will receive an email notification through their VSU email address when
the SOI is available (generally at least one week before the end of the term). SOI responses are
anonymous to instructors/administrators. Instructors will be able to view only a summary of all
responses three days after they have submitted final grades. While instructors will not be able to
view individual responses or to access any of the data until after final grade submission, they will
be able to see which students have or have not completed their SOIs, and student compliance
may be considered in the determination of the final course grade. These compliance and non-
compliance reports will not be available once instructors are able to access the results. Complete
information about the SOIs, including how to access the survey and a timetable for this term is
available at [http://www.valdosta.edu/academics/academic-affairs/vp-office/directions-for-
accessing-and-completing-sois.php](http://www.valdosta.edu/academics/academic-affairs/vp-office/directions-for-
accessing-and-completing-sois.php)

**Disruptive Behavior Policy:** Disruptive students may be removed from the class. Disruptive
behavior includes but is not limited to: offensive language and behavior, incessant talking,
interrupting class with personal or nonacademic concerns, distracting students from the task at
hand, drawing on desk tops, taking frequent unscheduled breaks, annoying other students,
tardiness, leaving early, using cell phones, or pagers in class, etc. All cell phones, pagers, and
beepers must be turned off or set on vibrate during class time. If you realize that you have an
incoming call that you must attend to, leave the room quietly to do so. Do not attend to it in
class. Students are responsible for being aware of the policies, procedures and student
responsibilities contained within the current edition of the Valdosta State University Catalog and
Student Handbook.

**Classroom Emergency Procedure:** In the event of a bomb threat, tornado, or fire, students and
staff may be asked to evacuate the building or move to a secure location within the building.
Evacuation routes for movement to an external location or to a shelter within the building are
posted at the front of the room. Students should review the maps and make sure that the exit
route and assembly location for the building are clearly understood. If you have a disability that
may require assistance during an evacuation, please let your faculty know at the end of the first
class.

**Disability Services Policy:** Valdosta State University is an equal opportunity educational
institution. As such, reasonable accommodations will be made for students with disabilities
provided those students have registered with the Access Office for Students with Disabilities in
Faber Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP), and 229-219-1348
(TTY). Present your instructor with the documentation. For more information, please visit http://www.valdosta.edu/student/disability/ or email: access@valdosta.edu.

**Students Experiencing Academic Difficulties:** Students with academic concerns are strongly encouraged to contact the staff of the Student Success Center or call them at 229-333-7570. The Student Success Center is located on first floor of Langdale Residence Hall on the main VSU campus. Services provided by the Success Center include tutoring, writing assistance, and help with time management. Students are encouraged to make appointments with Center Staff through the website or by telephone. The center is available to all VSU students, and evening appointments are available at www.valdosta.edu/ssc.

**Academic Misconduct and Dishonesty Policy:** Students are expected to abide by the VSU Academic Integrity code. "Academic integrity is the responsibility of all VSU faculty and students. Faculty members should promote academic integrity by including clear instruction on the components of academic integrity and clearly defining the penalties for cheating and plagiarism in their course syllabi. Students are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct and the faculty members’ syllabi. All students are expected to do their own work and to uphold a high standard of academic ethics." Violation of academic honesty includes, but is not limited to, the following actions:

1. Cheating on an examination or quiz – either giving or receiving information.
2. Copying information from another person for graded assignments, including that information obtained from an Internet source.
3. Using unauthorized materials during tests.
4. Collaborating during examinations.
5. Buying, selling or stealing examinations.
6. Arranging a substitute for oneself during an examination.
7. Substituting for another person, or arranging such a substitution.
8. Plagiarism – the intentional or accidental presentation of another’s words or ideas as your own.
9. Submission of work other than your own for written assignments.
10. Incorporating the words or ideas of an author into one’s paper without giving the author due credit.
11. Collaboration with another person or persons in submitting work for credit in class or lab, unless such collaboration is approved in advance by the instructor.

*Any student found committing any of these violations will automatically receive a failing grade for the entire course.* For more information visit http://www.valdosta.edu/academics/academic-affairs/vp-office/academic-honesty-policies-and-procedures.php

**Course Compliance Statement:** Enrollment in this class signifies that the student has agreed to abide by and adhere to the policies and regulations specified above. It is understood that the instructor may adapt or change this syllabus and the assignments contained within it according to circumstances that may arise during the course of the semester.