General Physics I
PHY 101.002

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Office Hours: MWF 8:00-9:00, TR 9:30-10:30 or by appointment
Class meeting time and place: 334 MSB, MWF 11:00-11:50

Course Description:
Presentation with a minimum of mathematics of the basic concepts of mechanics, light and sound. May not be used to meet graduation requirements by students majoring in the College of Sciences and Mathematics. Lecture and laboratory grades are computed into one grade and the same grade is recorded for both lecture and lab. Co-requisite: PHY 101L.

Text and Materials:
PHY 101 Lab Manual (produced by the Department of Physics and Astronomy and sold only in local bookstores)

Course Calendar:
February 8th Exam I Waves and Sound, Chapters 19-21
March 7th Exam II Light, Chapters 26-30
April 15th Exam III Newton’s Laws, Chapters 2-5
May 11th Final Exam Momentum, Energy, Rotation & Gravity Chapters 6-10
A more detailed calendar follows at the end of the syllabus.

Grading Policy:
Each student’s grade is based on an 800 point scale. These points come from four major exams worth 140 points each for a total of 560 points. The lab experiment average is worth 100 points. The lab final (given with the lecture final) is worth 100 points. Attendance is worth 40 points and is taken through quizzes. This gives a total of 800 points in the course. Correct answers on quizzes and participation in demonstrations can account for a total of 40 bonus points. (For each student, lecture and lab scores will be combined to determine an overall grade in PHY 101. Each student will then receive this overall grade for both lecture and lab.) The grading scale is

<table>
<thead>
<tr>
<th>Lab average</th>
<th>Lab Final</th>
<th>Exam I</th>
<th>Exam II</th>
<th>Exam III</th>
<th>Final Exam</th>
<th>Attendance &amp; Quizzes</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 points</td>
<td>100 points</td>
<td>140 points</td>
<td>140 points</td>
<td>140 points</td>
<td>140 points</td>
<td>80 points</td>
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720-800 points A
640-719 points B
560-639 points C
480-559 points D
0-479 points F

Attendance Policy:
One must be present for the entire class period to be counted present. 40 of the 80 attendance quiz points will be based on the student’s attendance percentage. The remaining 40 points will be based on the student’s percentage of correct quiz answers. If you are going to miss class for a university excused
absence you should notify the instructor in advance. It is your responsibility to make arrangements to make up any missed work. If you are sick it is your responsibility to abide by university guidelines in dealing with your absence. If you miss an exam and your absence meets the university excused absence guidelines your makeup exam may include any or all of the following exam forms: essay, multiple choice, short answers or oral exam.

Course Requirements:
- Students are required to study the following chapters from the course text: 19-21 (Exam 1), 26-30 (Exam 2), 2-5 (Exam 3), 6-10 (Final Exam).
- Class attendance is required.
- Students will complete 12 laboratory exercises in the co-requisite lab and take a final exam over them at the end of the semester. The laboratory co-requisite will require a formal write-up on the Simple Pendulum Project. More information regarding this project is in the PHY101 lab syllabus.
- There will be four major tests including the final. Each student must provide a SCANTRON form number 882-E in order to take each test including the final. Students must bring a form of picture ID (such as your license or SFA ID) to each exam. Students should become familiar with the policies on cheating and plagiarism.

Program Learning Outcomes:
This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

General Education Core Curriculum:
This course has been selected to be part of Stephen F. Austin State University’s core curriculum. The Texas Higher Education Coordinating Board has identified six objectives for all core courses: Critical Thinking Skills, Communication Skills, Empirical and Quantitative Skills, Teamwork, Personal Responsibility, and Social Responsibility. SFA is committed to the improvement of its general education core curriculum by regular assessment of student performance on these six objectives. There will be NO assessment over the General Education Core Curriculum this semester in this course.

Student Learning Outcomes:
By the end of the course, successful students will be able to:
1. Recognize that the world in which they exist can be described by a few natural laws, (SLO 1)
2. Demonstrate a basic familiarity with concepts of waves, sound, light, and mechanics, (SLO 2).
3. Describe natural phenomena in a conceptual manner rather than mathematically, (SLO 3)
4. Demonstrate skills developed in critical thinking, communication (written and visual), empirical and quantitative analysis, and teamwork, (SLO 4)

Academic Integrity (A-9.1)
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting
an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Withheld Grades Semester Grades Policy (A-54)
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Students with Disabilities:
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

Student Code of Conduct: Policy 10.4

Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program. Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This policy applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the iCare: Early Alert Program at SFA. Information regarding the iCare program is found at https://www.sfasu.edu/judicial/earlyalert.asp or call the office at 936-468-2703.