**Physics PS1302/Lab 1102:**

**General Physics I and Lab**

**Office Hours:**
- [Blue Day 2:24pm-4:00pm] in S7
- [Gold Day 12:54pm-2:24pm] in CT4

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**COURSE DESCRIPTION**

Study of general physics in the following topics: “emphasis on Kinematics”
- Conservation of Energy and Momentum
- Simple Harmonic or Oscillatory Motion
- Statics and Torque
- Electrostatics
- Electrical Circuits

**COURSE OBJECTIVES AND STUDENT LEARNING OUTCOMES**

PS 1302/Lab1102 Is formulated to study the general concepts and applications of physics/physical science. [This course will not count as the introductory physics course for physics majors]

Prerequisite: PS1301/1101 or equivalent. The course has these objectives:
- To develop general education skills
- To provoke higher order thinking skills
- To increase math variable manipulations
- To be able to analyze and collect data to develop conceptual framework for physics concepts
- To build necessary skills and frame work to apply physic concepts

**COURSE MATERIALS**

- College Physics, Openstax College “Rice University”
  
  The text book can be freely downloaded in both PDF and EPUB formats at: [https://openstax.org/details/college-physics](https://openstax.org/details/college-physics)
- Calculator: Bring to every class, would recommend a graphing calculator
- BYOD- Devices will be allowed in class as long as it is not a disruption to the educational environment.
  
  **TEACHERS DESCRETION WHEN TO USE IN CLASS.**
- Technology will be used to in many different facets.
  
  Technology is not required to be purchased for this course, there are other options if technology is needed speak with the instructor for alternatives. College readiness requires you to figure out alternate resources in times of need or where to access if needed. Public, College, University Libraries. Free Wi-Fi access points. There are many options available, the instructor will discuss options in class. Also there are devices at school that can be utilized and accessed during school hours see instructor for details at Frenship High School.

**COURSE INFORMATION**

- Class time will be spent in three ways.
  
  Homework component will be digital requirements listed below:
  - Content material will be delivered through the viewing of electronic material (i.e. youtube, and personal made instructional video’s).
  - Class discussions will be held every class to go deeper into the content.
  - Notes will be posted in a digital format for you to create a notebook of your choosing from, notes will be taken at home prior to the class needed. This will allow for tailored questioning in class on topics not understood or have misconceptions by the student.
  - The following digital sources will be used and we will create and sign up the first week of class.
    a. A gmail address will be required for this class as well as the following resources:
    b. Schoology login
    c. Edpuzzle login
d. Iannotate app: https://itunes.apple.com/us/app/iannotate-4-read-markup-share/id1093924230?mt=8

- Application of the content will be geared to be completed in the classroom.
  - You will write several lab reports in class, it will consist of you data and observations that you obtain through your lab experience. A detailed lab report will be do for every lab completed in class.
  - Project Based Learning will be a major component in this class, collaboration on projects will be encouraged as long as the work can be shared equally and can be documented. Individuals can always choose to complete the project in its entirety by themselves.
- Discussion is always encouraged. Discussion provides you with the opportunity to question the text authors’ interpretations, my presentations, your colleagues’ assumptions, or simply to enlighten the class with your intellectual super powers.
- If you know ahead of time you’ll be gone for an extended period, come talk to me so we can make arrangements for you to make up the work. If an emergency occurs that will require an extended absence, let me know at your earliest (not latest) opportunity.
- Complete and submit assignments on schedule. Remediation of material to increase your grade can be scheduled with the instruction. No test will be allowed to be made-up unless prior approval or discussion with the instructor. Quizzes will have a remediation of one time, within one week after administered.
- A hand written notebook created by yourself will be allowed to be used on quizzes and quizzes only.
- Also, ASU maintains a tutoring center. There are peer tutors there who can help you with history. The tutoring center is located at C301 on the third floor of the library. Just walk in.
- Turn off your cell phones before class starts.
- Do not check the cell phone you didn’t turn off for text messages during class. I will deduct 10 points from your grade each time I catch you doing so.
- Answering your phone in class will result in disciplinary actions. I don’t like to waste your time, and I expect the same respect from you not to waste mine.

GRADING/EVALUATION

Following are the scores attached to each component of the class. It is a system that allows you to keep track of your progress so you know where you stand as the semester progresses.

- First Mid-Term Exam 100 points
- Second Mid-Term Exam 100 points
- Final Exam 100 points

Exams will consist of multiple choice questions based on notes and lecture videos, open response per class discussions, and self study problems.

Use of any electronic device during a major exam is prohibited.

An official stand alone calculator will only be allowed.

- Two writing assignments 100 points
- Quizzes 100 points

Thus, at the end of the semester:

- A = 90-100
- B = 80-89.99
- C = 70-79.99
- D = 60-69.99
- F = 0-59.99
Components:

- In-Class Material 10%
- Quizzes 30%
- Laboratory Score 30%
- Exams 30%

Example: Deadline Monday, September 6, 2016 @11:59pm

Turned in stamped Tuesday, September 7, 2016 @12:00am

This assignment will be late and will not be accepted:

Exceptions to this guideline will need to be discussed and planned with the instructor of the course prior to the day of the deadline: Documentation maybe requested by the instructor to support any claims and exemptions.

Students will be responsible for checking their own grades in their personal SKYWARD account assigned by Frenship ISD. A final letter grade will be submitted to ASU upon completion of each semester. You will receive a letter grade for the class and a letter grade for the lab portion of the class as well.

HONOR CODE

Honor Code:

- Angelo State and Frenship High School expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both print and web versions of the Student Handbook.

Plagiarism and Collaboration

The College recognizes that the open exchange of ideas plays a vital role in the academic endeavor, as often it is only through discussion with others that one is fully able to process information or to crystallize an elusive concept. Therefore, students generally are encouraged to engage in conversations with their teachers and classmates about their courses, their research, and even their assignments. These kinds of discussions and debates in some ways represent the essence of life in an academic community. And yet, it is important for all scholars to acknowledge clearly when they have relied upon or incorporated the work of others. To ensure the proper use of sources while at the same time recognizing and preserving the importance of the academic dialogue.

It is expected that all homework assignments, projects, lab reports, papers, theses, and examinations and any other work submitted for academic credit will be the student’s own. Students should always take great care to distinguish their own ideas and knowledge from information derived from sources. The term “sources” includes not only primary and secondary material published in print or online, but also information and opinions gained directly from other people. Quotations must be placed properly within quotation marks and must be cited fully. In addition, all paraphrased material must be acknowledged completely. Whenever ideas or facts are derived from a student’s reading and research or from a student’s own writings, the sources must be indicated (see also “Submission of the Same Work to More Than One Course” below.)

Students must also comply with the policy on collaboration established for each course, as set forth in the course syllabus or on the course website. Policies vary among the many fields and disciplines in the College, and may even vary for particular assignments within a course. Unless otherwise stated on the syllabus or website, when collaboration is permitted within a course students must acknowledge any collaboration and its extent in all submitted work; however, students need not acknowledge discussion with others of general approaches to the assignment or assistance with proofreading. If the syllabus or website does not include a policy on collaboration, students may assume that collaboration in the completion of assignments is permitted. Collaboration in the completion of examinations is always prohibited.
The responsibility for learning the proper forms of citation lies with the individual student. Students are expected to be familiar with the citation guideline to Using Sources. Students who are in any doubt about the preparation of academic work should consult their instructor before the work is prepared or submitted.

Students who, for whatever reason, submit work either not their own or without clear attribution to its sources will be subject to disciplinary action. Students who have been found responsible for any violation of these standards will not be permitted to redo an assignment and/or examination. Violation of this infraction will result in a zero.

Submission of the Same Work to More Than One Course

It is the expectation of every course that all work submitted for a course or for any other academic purpose will have been done solely for that course or for that purpose. If the same or similar work is to be submitted to any other course or used for any other academic purpose prior written permission of the instructor must be obtained. If the same or similar work is to be submitted to more than one course or used for more than one academic purpose within the College during the same term, the prior written permission of all instructors involved must be obtained. A student who submits the same or similar work to more than one course or for more than one academic purpose without such prior permission is subject to disciplinary action.

Students are urged to consult their instructors involved with questions concerning this important matter (see also “Plagiarism and Collaboration” above).

Tutoring Schools and Term Paper Companies

In keeping with the principle that all material submitted to a course should be the student’s own work, any undergraduate who makes use of the services of a commercial tutoring school or term paper company is liable to disciplinary action. Students who sell lecture or reading notes, papers, or translations, or who are employed by a tutoring school or term paper company, are similarly liable and may be subject to disciplinary action.

Official Forms and Petitions

Students should understand that providing false or misleading information or signing any other person’s name or initials on a study card, Plan of Study, change-of-course petition, registration form, or on any other official form or petition will make them subject to disciplinary action.

[Format borrowed from Harvard University]