Physics PS1302/Lab 1102: General Physics I and Lab
[Blue Day 12:54pm – 2:24pm]
[Gold Day 12:54pm – 2:24pm]

James Holloway
902 N. Dowden, Wolfforth, Texas 79382
806/866-4440 ext: 1397
jholloway@frenship.us / jholloway3@angelo.edu

[Office Hours: See BLUE/GOLD Days]

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
• 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:
  o Content material will be delivered through the viewing of electronic material (i.e. youtube, and personal made instructional video’s).
  o Class discussions will be held every class to go deeper into the content.
  o 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.
  o The following digital sources will be used and we will create and sign up the first week of class.
    a. Your Microsoft email 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
   Is a great app if you like to do all your stuff digitally.

- Application of the content will be geared to be completed in the classroom.
  o Video Lectures will be sent home as homework, this is where you will study the content and get your notes. The content you have issues and/or trouble with is what you bring to class so we can work-out the issues together. This allows us to spend more time on troubling issues instead of items you have no issue with, you will be expected to be prepared prior to class by having reviewed the video content.
  o Viewing content in class will cause you to miss projects and labs which in turn will require you to come to class on your personal time to make up items you miss.
  o You will write several lab reports in class, it will consist of your data and observations that you obtain through your lab experience. A detailed lab report will be due for every lab completed in class.
  o Project Based Learning will be a major component in this class, collaboration on projects will be encouraged. 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 plan 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 instructor. No test will be allowed to be made-up unless prior approval or discussion with the instructor. Deadline to make up a test or retake a test will be one week after the first day of test administration. Quizzes will have a remediation of one time, within one week after administered.
- A handwritten notebook created by yourself will be allowed to be used on quizzes and quizzes only. Spending time taking notes over the video lectures will be to the students benefit.
- ASU provides tutoring if needed, see instructor for details.
- Turn off your cell phones before class starts. Answering phone calls during class time is prohibited.
- Do not check the cell phone you didn’t turn off for text messages during class.
- 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.

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

Thus, at the end of the semester:

- A = 90-100
- B = 80-89.99
Components:
- Assessments/Quizzes 50%
- Lab Write-Ups 50%

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. Schoology grades in the Schoology Gradebook are not final, Skyward holds the final/up-to-date grades.

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.

Frenship High School:
- All rules set forth by Frenship High School will also be followed per the student handbook.

Bathroom Policy per Frenship High School:
- Student will obtain pass from instructor.
- Place his/her cell phone on the instructor’s desk and will leave for restroom. Upon return the student places the pass on instructor’s desk and obtains his/her cell phone.
- Students in the hall with cell phone and utilizing cell phone will be subject to administration obtaining cell phone and parents will have to come and pick up cell phone and pay a fee.
- Above Policy is per Frenship Administration and all students are expected to follow and have been informed in detail the expectations.

Important items to consider:

This is a college course and not passing and/or following the college rules of attendance and adding/dropping the course will result in blemishes’ being on your permanent college transcript. As well as could result in affecting financial aid and scholarship opportunities.