**INTRODUCTION TO ENGINEERING PHYSICS (10898 & 17591)**  
DEPARTMENT OF PHYSICS AND ASTRONOMY  
MEETING TIME: 12:00-12:50 p.m. and 1:00-1:50 p.m. MW  
ROOM: 201 STEM Building  
INSTRUCTOR: Walter L. Trkosko  
CONTACT INFO: wttrkosko@sfasu.edu, tel: 468-3001  
OFFICE: 207-C STEM Building  
8:50 a.m.-9:50 a.m. MW and 3:00 p.m.-4:00 p.m. MWR or by appointment.  
TEXT: No text  
COREQUISITES: PHY 108L  

**COURSE DESCRIPTION:** Three credit hours, two hours lecture and two hours recitation per week. Introductory course on engineering/physics analysis with practice in analyzing and solving problems in physics and engineering. Includes use of computational devices and methods.

**PROGRAM LEARNING OUTCOMES:**  
- The student will demonstrate proficiency in the basic and applied fields of physics.  
- The student will develop effective written and oral communication skills, especially the ability to transmit complex technical information in a clear and concise manner.  

**STUDENT LEARNING OUTCOMES:** By the end of the course, a successful student will be able to  
- Demonstrate the ability to utilize algebra and the calculus of complex numbers in physics applications.  
- Demonstrate skill in using advanced mathematical techniques to solve physics problems in classical mechanics, electricity and magnetism, optics, thermodynamics and quantum mechanics.

**GENERAL EDUCATION CORE CURRICULUM OBJECTIVES / OUTCOMES:** This course is not included in the general education core curriculum.

**HOMEWORK (200):** Problem assignments will be made at the appropriate times. Shortly following the presentation of the pertinent subject material, students will be expected to have worked these problems. These problems will count a maximum of 200 points toward the final grade.

**CLASSWORK (200):** Problem will be assigned and worked during class. These problems will count a maximum of 200 points toward the final grade.

**EXAMS (300):** The course grade will be determined from the scores on three major exams (indicated on the calendar), the final exam and the homework. The first exam will be given in room MTH 101 and all others will be given in the classroom at the scheduled class time. Each exam will count a maximum of 100 points each toward the final grade. **The student is expected to be present for all exams.**

**FINAL EXAM (100):** The final exam will be Thursday, December 11, 2019 from 1:30 p.m. - 4:00 p.m. and will count a maximum of 100 points toward the final grade.

**FINAL GRADE:** The final grade will be assigned according to the following:

<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
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<tbody>
<tr>
<td>720-800</td>
<td>A</td>
</tr>
<tr>
<td>640-719</td>
<td>B</td>
</tr>
<tr>
<td>560-639</td>
<td>C</td>
</tr>
<tr>
<td>480-559</td>
<td>D</td>
</tr>
<tr>
<td>000-479</td>
<td>F</td>
</tr>
</tbody>
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- October 16, 2019: Midterm  
- October 23, 2019: Last day to drop without WP or WF  
- December 2, 2019: Last day to withdraw  
- December 11, 2019: Final Exam, 1:30 p.m. - 4:00 p.m.
ATTENDANCE: You are expected to attend every class. If you have more than three unexcused absences, your grade will be decreased by one letter grade. If you have 4 unexcused absences, you will receive an “F” in the course. If you arrive more than 10 minutes late you will be marked as tardy and three tardy marks count as an absence. 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, to abide by university guidelines in dealing with your absence, to provide appropriate written documentation of any excused absence to Dr. Trikosko within one week of the absence. Failure to provide the documentation within one week of the absence will result in the absence being considered unexcused. Make up exams must be made up within one week of the missed exam. If you become ill or have a restroom emergency during the lecture, please excuse yourself quietly. If you need to study for another class, the library is available. If you need to nap, that is best done at home – not in the classroom.

SUGGESTIONS FOR MAKING A GOOD GRADE:
• Read your textbook.
• Attend classes regularly and punctually.
• Do your homework yourself.
• Review lecture material daily (Don’t cram).
• Develop and practice good note taking skills.
• Ask questions in class.
• Read your textbook.

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.