



Physics 1304 General Physics FALL 2021 Course Information

This course will be administered entirely through CANVAS. If you are not familiar with CANVAS please familiarize yourself as soon as possible. Please check the CANVAS course page for new assignments, announcements, class notes and grades. It is your responsibility to master the usage of the CANVAS system, as it is the primary way in which you will submit your homework and self-assess your performance in the class. If you have any problems, contact the class instructor IMMEDIATELY.

- **Lectures:** T-TH 11:00 am-12:20 am, in Room 158 FS Bldg
- **Lecturer:** Professor Roberto Vega
 - Office: Room 105 Fondren Science
 - Office hours: Tuesdays and Thursdays 12:20-1:20 pm, or by appointment
 - Phone: (214) 768-2498
 - Fax: (214) 768-4095
 - E-mail: rvega@smu.edu
- **Textbook:** Halliday, Resnick, and Walker, “Fundamentals of Physics”
- **Laboratory:** Complete information can be found at:
<http://www.physics.smu.edu/rguarino/labemsp13/>
- **Course Schedule** as posted on CANVAS course page; also included are reading assignments, exam dates, and homework assignments.
- **Help Sessions:** TBA
- **Grading:** Homework (25%), Class Work which include in class exercises, reading and pop quizzes (10%), three partial exams (35%), and final exam (30%). Grading policy in details is posted on the CANVAS course page.
- **Objectives:** Upon successful completion of this course, students will be able to:
 - 1) demonstrate basic facility with the methods and approaches of scientific inquiry and problem-solving
 - 2) explain how the concepts and findings of physics shape our world
 - 3) solve short and extended problems in introductory electromagnetics

- **Student Learning Outcomes.**

Upon successful completion of this course, students will meet the expectations from the Quantitative Reasoning student learning outcomes:

- Students will be able to develop quantitative models appropriate to problems in Physics.
- Students will be able to assess the strengths and limitations of quantitative models and methods used in Physics.
- Students will be able to apply symbolic systems of representation.
- Students will be able to collect, organize and analyze data from a variety of sources.
Students will be able to formulate structured and logical arguments.
- Students will be able to test hypotheses and make recommendations or predictions based on results.
- students will be able to communicate and represent quantitative information or results numerically, symbolically, aurally, visually, verbally, or in writing.

Students will also meet these expectations from Pure and Applied Sciences student learning outcomes:

Students will be able to demonstrate basic facility with the methods and approaches of scientific inquiry and problem solving.

Students will be able to explain how the concepts and findings of science or technology in general, or of particular sciences or technologies shape our world.

How this course achieves these Student Learning Outcomes:

The above objectives will be achieved through: participation in in-class discussion of lecture and reading materials; discussion with the lead instructor(s) of reading and lecture during regular office hours; successful completion of routine homework assignments; successful completion of in-class quizzes and several in-class examinations. In addition, students are expected to show proficiency in the application of these ideas through a parallel laboratory course.

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| Disability Accommodations | Students who need academic accommodations for a disability must first register with Disability Accommodations & Success Strategies (DASS). Students can call 214-768-1470 or visit http://www.smu.edu/Provost/SASP/DASS to begin the process. Once they are registered and approved, students then submit a DASS Accommodation Letter through the electronic portal, <i>DASS Link</i> , and then communicate directly with each of their instructors to make appropriate arrangements. Please note that accommodations are not retroactive, but rather require advance notice in order to implement. |
| Sexual Harassment | All forms of sexual harassment, including sexual assault, dating violence, domestic violence and stalking, are violations of SMU's Title IX Sexual Harassment Policy and may also violate Texas law. Students who wish to file a complaint or to receive more information about the grievance process may contact Samantha Thomas, SMU's Title IX Coordinator, at accessequity@smu.edu or 214-768-3601. Please note that faculty are mandatory reporters. If students notify faculty of sexual harassment, faculty must report it to the Title IX Coordinator. For more information about sexual harassment, including resources available to assist students, please visit www.smu.edu/sexualmisconduct . |
| Pregnant and Parenting Students | Under Title IX, students who are pregnant or parenting may request academic adjustments by contacting Elsie Johnson (elsiej@smu.edu) in the Office of the Dean of Students, or by calling 214-768-4564. Students seeking assistance must schedule an appointment with their professors as early as possible, present a letter from the Office of the Dean of Students, and make appropriate arrangements. Please note that academic adjustments are not retroactive and, when feasible, require advance notice to implement. |

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| Religious Observance | Religiously observant students wishing to be absent on holidays that require missing class should notify their professors in writing at the beginning of the semester and should discuss with them, in advance, acceptable ways of making up any work missed because of the absence. Click here for a list of holidays. |
| COVID-19 and Other Medical-Related Absences | Students who test positive for COVID-19 and need to isolate, or who are notified of potential exposure, must follow SMU's Contact Tracing Protocol . To ensure academic continuity and avoid any course penalties, students should follow the same procedures described by their instructors as they would for any other medical-related absence in order to be provided with appropriate modifications to assignments, deadlines, and exams. |
| Excused Absences for University Extracurricular Activities | Students participating in an officially sanctioned, scheduled university extracurricular activity should be given the opportunity to make up class assignments or other graded assignments that were missed as a result of their participation. It is the responsibility of the student to make arrangements for make-up work with the instructor prior to any missed scheduled examinations or other missed assignments. (See 2020-2021 SMU Undergraduate Catalog under "Enrollment and Academic Records/Excused Absences.") |

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| Student Academic Success Programs | Students needing assistance with writing assignments for SMU courses may schedule an appointment with the Writing Center through Canvas. Students who would like support for subject-specific tutoring or success strategies should contact |
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| | SASP, Loyd All Sports Center, Suite 202; 214-768-3648; https://www.smu.edu/sasp . |
| Caring Community Connections Program | CCC is a resource for anyone in the SMU community to refer students of concern to the Office of the Dean of Students. The online referral form can be found at smu.edu/deanofstudentsccc . After a referral form is submitted, students will be contacted to discuss the concern, strategize options, and be connected to appropriate resources. Anyone who is unclear about what steps to take if they have concerns about students should either consult the CCC Reference Guide or contact the Office of the Dean of Students at 214-768-4564. |
| Campus Carry Law | In accordance with Texas Senate Bill 11, also known as the ‘campus carry’ law, and following consultation with entire University community, SMU chooses to remain a weapons-free campus. Specifically, SMU prohibits possession of weapons (either openly or in a concealed manner) on campus. For more information, please see: http://www.smu.edu/BusinessFinance/Police/Weapons_Policy . |