

Honors Introductory Physics
PHYS 1010 001H
Physics Department
Spring 2023



Instructor Information

Instructor: Eric Godat
Email: egodat@smu.edu
Office Hours:
TBD

Course Details

Meeting Days/Times/Locations:

Start Date	End Date	Location	Meeting Day	Start Time	End Time
01/17/2023	05/02/2023	FOSC0123	M	06:00 PM	07:20 PM

Credit Hours: 0.00

Course Description: Applications of concepts taught in PHYS 1303, PHYS 1304, PHYS 1307, and PHYS 1308 in modern science and technology. Zero-credit course leading to the Honors designation on transcript. Corequisite: PHYS 1303, PHYS 1304, PHYS 1307, or PHYS 1308.

Student Learning Outcomes

The Honors Physics Section is intended to provide honors students with additional activities, information, and challenges to allow them to broaden and deepen their physics knowledge while concurrently taking the introductory physics course sequence. The framework of this syllabus is intended to allow honors students to go above and beyond the normal classroom environment without creating a huge additional burden on the students. Honors students should be looking to go a little further than non-honors students, and this syllabus reflects that.

Participants in the Honors Physics Section will engage in the following activities each semester:

- They will use class time to engage in learning exercises that synthesize information from the 130X introductory physics courses, allowing them to find more breadth and depth in the subject of physics.
- They will have access to expertise from outside the classroom environment, including faculty, staff, and students from SMU and other institutions, as well as individuals with a physics background working in private industry. The goal here is to enrich their learning environment by giving them direct access to experts at various levels of the field.
- They will engage in a coherent, semester-long project. Preparing for, and delivering, this project will be the focus of various activities throughout the semester. Honors students will be expected to learn to present their work to an audience, including (but not limited to) their peers in the Honors Physics Section.

Required Texts and Materials

None

Grading Policies/Grading Scale

- Students will pass or fail the section based on an assessment of their work and participation, to be determined by the instructor.

Title IX and Disability Accommodations

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 smu.edu/DASS to begin the process. Once they are registered and approved, students then submit a DASS Accommodation Letter through the electronic portal, *DASS Link*, 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 and staff are mandatory reporters. If students notify faculty or staff of sexual harassment, they must report it to the Title IX Coordinator. For more information about sexual harassment, including resources available to assist students, please visit smu.edu/sexualmisconduct.

Pregnant and Parenting Students

Under Title IX, students who are pregnant or parenting may request academic adjustments by contacting the Office of Student Advocacy and Support 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.

Academic Policies

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.](#)

Medical-Related Absences

To ensure academic continuity and avoid any course penalties, students should follow procedures described by their instructors 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 current [Catalog](#) under heading of "Academic Records/Excused Absences.")

Final Exams

Final course examinations shall be given in all courses where appropriate, and some form of final assessment is essential. Final exams and assessments must be administered as specified in the official examination schedule. Exams cannot be administered or due during the last week of classes or during the Reading Period. Syllabi must state clearly the form of the final exam or assessment, and the due date and time must match the official SMU exam schedule. Final exams are not required to be provided online.

Academic Dishonesty

Students are expected to embrace and uphold the [SMU Honor Code](#). Violations of the Honor Code will be acted upon in accordance with the policies and procedures outlined in the [Mustang Student Handbook](#).

Student Support Services

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 SASP, Loyd All Sports Center, Suite 202; 214-768-3648; 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 contact the Office of the Dean of Students at 214-768-4564.

Mental Health Resources: On-Call and Ongoing Counseling Services

Throughout the academic year, students may encounter different stressors or go through life experiences which impact their mental health and academic performance. Students who are in distress or have concerns about their mental health can schedule a same-day or next-day appointment to speak with a counselor by calling [Counseling Services](#). Counselors are available at any time, day or night for students in crisis at this number: 214-768-2277 (then select option 2) They will be connected with a counselor immediately. Students seeking ongoing counseling should call the same number (214-768-2277, then select option 1) during normal business hours to schedule an initial appointment.

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: smu.edu/campuscarrylaw.

Canvas Course Schedule

Due Date	Assignment	Type	Points
1/23	Introduction to the Honors Physics Section	Assignment	1
1/30	Physics Game Night	Assignment	1
1/30	Read a What If XKCD Article	Assignment	1
1/30	Checkpoint: Select a Team Name and Leader	Assignment	1
2/6	Interactive Activity #1	Assignment	1
2/6	Checkpoint: Select a Scenario and Aspects to Evaluate	Assignment	1
2/13	First "Honors Collaboration Meeting"	Assignment	100
2/20	How to Present Your Findings	Assignment	1
2/27	Interactive Activity #2	Assignment	1
3/6	Second "Honors Collaboration Meeting"	Assignment	100
3/20	Honors Physics Hack-a-Thon	Assignment	1
3/27	Interactive Activity #3	Assignment	1
4/3	Third "Honors Collaboration Meeting"	Assignment	100
4/10	Interactive Activity #4	Assignment	1

Due Date	Assignment	Type	Points
4/17	PHYSICS DISCUSSION WEEK	Assignment	1
4/24	Poster Preparation Night	Assignment	1
4/26	Honors Physics Final Project Uploads	Assignment	0
5/1	Honors Physics Project Night	Assignment	100
5/1	Maintaining Etiquette and Professionalism in the Course	Assignment	1
5/2	Final Project Assessment	Assignment	5