

1410-400/General Physics I Fall 2026

Instructor PHYS Contact

Name: Bibhudutta Rout

Office Location: Online

Phone Number: 940-369-8127

Office Hours: Tuesday 5:00 PM-6:00 PM, Canvas Chat or by appointment via zoom

Email: bibhudutta.rout@unt.edu

Communication Expectations:

Weekly Announcements

Each week an announcement will be posted on Canvas. Make sure and read these announcements. They are our weekly contact and you will get important information such as that week's activities, changes in due dates, ways to resolve problems, or hints for success.

Email

*Since this is an online course, email will be our main point of contact. Make sure to check your email associated with Canvas frequently. Canvas conventionally keeps an inbox for you on the course webpage, so in the very least, check there. I will generally respond to emails within 24 hours unless it's the weekend, in which case I will get back to you Monday. **IMPORTANT: For any emails you send to make sure to include PHYS 1410-Fall 2026 in the subject of the email.** This will help me prioritize your email so I can get back to you quickly.*

Office Hours

During my online office hours, I will be available to answer any questions via Chat in canvas or via Zoom Personal Meeting room. The links for the zoom chat will be provided in the course announcement in the Canvas page. We can also schedule a meeting if you email me 24 hours in advance so we can coordinate a time. Please only access the room at the times listed as other meetings might be held for different purposes at other times.

Online Tutoring and Recitation

Physics tutors and recitation also will be available to assist you over the course of the semester via Zoom. The times they will be available and the links to their Personal Meeting Rooms will be provided under "Announcement" on the course Canvas page.

Technical Support

The UIT Helpdesk will provide support with any issues you might have with Canvas and they may be able to help you troubleshoot other computer issues. 940-565-2324 or helpdesk@unt.edu

Course Description

This course is algebra-based physics suitable for life sciences majors and pre-professional students. This course is designed to introduce students to various topics related to the basic principles of mechanics, sound, fluid, heat, and waves etc.

Course Structure

This course takes place 100% online. We will have many weekly synchronous video conferences using Zoom throughout the semester. Other than that, your interaction with me and with your fellow students will take place in Canvas. There are 15 weeks of content that you will move through. The course will have 15 weekly modules and I will open up a new module each week on early morning on Monday.

Course Prerequisites or Other Restrictions

There are no required prerequisites for this course. However, in order to be successful in this course you will need to:

- Have proficiency in college algebra and trigonometry.
- Cite sources, giving credit to where you obtain information.
- Network with others and utilize tact when offered differing perspectives.
- Make the commitment to spend at least 10 hours a week reading the assignments, reflecting on the material covered, and participating in other activities throughout the course.

Course Objectives

By the end of the course, the students will be able to realize the basic principles of mechanics, sound, and heat. The students will be able to understand the underlying physics concepts used in applications into many instruments used in medical professions as well as in everyday life. Upon successful completion of this course, learners will be able to:

1. Describe various scientific units used to measure physical properties, solve trigonometric problems such as vector addition and subtraction problems using components.
2. Describe various kinematic variables such as displacement, velocity, acceleration. Solve one- and two-dimensional motion problems.
3. Discuss about concepts of force and mass. Define and apply Newton's laws of motion
4. Describe uniform circular motion, solve uniform circular motion kinematic and dynamic problems.
5. Determine work done by constant force and relate work and kinetic energy. Use gravitational potential energy. Apply the principle of work-energy conservation.
6. Describe simple harmonic motion and how expansion and compression motion occur in springs.
7. Describe density of materials, pressure, and motion of fluids.
8. Discuss about the concept of heat and temperature measurements in various units.
9. Discuss the basics of thermodynamics and analyze the operation of heat engines, refrigerators, and air conditioners.
10. Discuss about periodic motion, waves, and sound.
11. Describe the applications of sound in medical diagnostics and imaging.

Materials

Most of the concepts of the course materials will be discussed in the Chapter module along with demonstration and simulation videos. For further reading you may need to refer to the corresponding chapter of Physics textbook. For the textbook please use the following option: College Physics from OpenStax, freely downloadable from <https://openstax.org/details/books/college-physics>.

OpenStax is a nonprofit ed tech initiative based at Rice University. It provides free, peer-reviewed, openly licensed textbooks for introductory college. OpenStax is licensed under Creative Commons Attribution License v4.0. Digital Version ISBN-13-978-1-947172-01-2 Paperback: ISBN-13: 978-1-50669-809-0

Access to a Computer or Laptop: Some assignments cannot be completed from mobile devices such as phone, tablets, or Chromebooks. You will need administrator access to this computer to install software for labs.

Other: A scientific calculator will be needed for the course and Exams. An app on your phone should not be used during the exams.

Teaching Philosophy

I typically follow an adoptive learning technique, where I continuously adjust the expectation level to the student's performances as the semester progresses. I approach both my teaching and research with this philosophy: I should work to bring all groups of students to their maximum level of success –no one should be left behind. I look forward to sharing my knowledge with you as well as learning from each of you, since I know that you will bring experience and insight into our discussions and activities.

As the instructor in this course, I am responsible for:

- providing course materials that will assist and enhance your achievement of the stated course goals, guidance,
- providing timely and helpful feedback within the stated guidelines, and
- assisting in maintaining a positive learning environment for everyone.

As a student in this course, you are responsible for:

- reading and completing all requirements of the course in a timely manner,
- working to remain attentive and engaged in the course and interact with your fellow students
- assisting in maintaining a positive learning environment for everyone.

Technical Requirements & Skills

Minimum Technology Requirements

Provide a list of the minimum technology requirements for students, such as:

- Computer running with windows or Mac operating system.
- Reliable internet access
- Speakers
- Microphone
- Plug-ins
- Microsoft Office Suite and Adobe Acrobat reader
- [Canvas Technical Requirements](https://clear.unt.edu/supported-technologies/canvas/requirements) (<https://clear.unt.edu/supported-technologies/canvas/requirements>)

Computer Skills & Digital Literacy

To be successful in this course, you will need to be proficient in the following:

- Using Canvas
- Downloading and uploading files
 - Includes downloading and installing software on your computer
 - Scanning or taking pictures of documents and uploading them to Canvas
- Sending and receiving emails
- Using Zoom Online meeting software to access labs/office hours

Rules of Engagement

- Treat your instructor and classmates with respect in email or any other communication.
- Always use your professors' proper title: Dr. or Prof., or if in doubt use Mr. or Ms.
- Unless specifically invited, don't refer to your instructor by first name.
- Use clear and concise language.
- Remember that all college level communication should have correct spelling and grammar (this includes discussion boards).
- Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you."
- Use standard fonts such as Ariel, Calibri or Times new Roman and use a size 10 or 12-point font
- Avoid using the caps lock feature AS IT CAN BE INTERPRETTED AS YELLING.
- Limit and possibly avoid the use of emoticons like :) or ☺.
- Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or sound offensive.
- Be careful with personal information (both yours and other's).
- Do not send confidential information via e-mail

Success in an Online Course

Taking an online course is very different from taking an on-campus course. You, the student is responsible for his/her own learning. We have provided tools that you can use to facilitate this learning, but it will require self-discipline and motivation as well as effective time management to get the most out of this course and have the best shot at getting a good grade.

Hints to being a successful online student

1. **Start early in the week! Do not wait until the day you are supposed to be done with the module. If you do, you will not be able to get through all of the material and you will already be behind. We can't emphasize this point enough! Fight any tendency to procrastinate and start early!**
2. You can expect to spend at least as much time on this course as you would an on-campus course. So, if you normally spend 3 – 4 hours a week attending class, 3 – 6 hours a week reading and doing homework, then expect to spend at least 6 – 12 hours a week on this course. Remember, when estimating how long it will take you to accomplish a task, it always takes longer. Double your estimate and adjust your schedule accordingly.
3. No question is a dumb question. If you can't find a piece of information, or have a question about how to do something in Canvas please ask! Get your answer so that you can keep moving forward with the course.
4. **Start Early! Don't Procrastinate!**

Getting Help

Technical Assistance

Part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

UIT Help Desk: <http://www.unt.edu/helpdesk/index.htm>

Email: helpdesk@unt.edu

Phone: 940-565-2324

In Person: Sage Hall, Room 130 (please check the updated location and hours as this information is changing periodically), **Walk-In Availability:** 8am-9pm

Telephone Availability:

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

Laptop Checkout: 8am-7pm

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

Student Support Services

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (<https://studentaffairs.unt.edu/student-health-and-wellness-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [UNT Care Team](https://studentaffairs.unt.edu/care) (<https://studentaffairs.unt.edu/care>)
- [UNT Psychiatric Services](https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry) (<https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry>)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (<https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling>)

Other student support services offered by UNT include

- [Registrar](https://registrar.unt.edu/registration) (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu/) (<https://financialaid.unt.edu/>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://studentaffairs.unt.edu/career-center) (<https://studentaffairs.unt.edu/career-center>)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (<https://edo.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (<https://edo.unt.edu/pridealliance>)
- [UNT Food Pantry](https://deanofstudents.unt.edu/resources/food-pantry) (<https://deanofstudents.unt.edu/resources/food-pantry>)

Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (https://clear.unt.edu/canvas/student-resources)
- [Academic Success Center](https://success.unt.edu/asc) (https://success.unt.edu/asc)
- [UNT Libraries](https://library.unt.edu/) (https://library.unt.edu/)
- [Writing Lab](http://writingcenter.unt.edu/) (http://writingcenter.unt.edu/)
- [MathLab](https://math.unt.edu/mathlab) (https://math.unt.edu/mathlab)

Course Requirements

The course is divided into 15 weekly Modules. Each chapter module contains a Reading Assignments in the form of Quizzes, Pre-lecture Videos and Questions, Homework Assignments, and Self Tests. These items are outlined in each Modules To-Do Checklist and Objectives section. There are 4 Exams. **The Course Calendar at the end of the syllabus lists the full course outline and due dates for items to be submitted.**

The Table below outlines the all the assignments for the course and how they will be weighted towards your final grade.

Assignment	Points Possible	Percentage of Final Grade
Assignment 1: Participation in the Discussion Forum. 10 best weekly participation in the discussion forum will be taken into consideration while calculating the total participation points	50 points	5%
Assignment 2: End of Chapter Quizzes based on the contents of each Chapter. 10 best Chapter quiz points will be taken into consideration while calculating the total quiz points	100 points	10%
Assignment 3: End of Chapter Homework based on the contents of each Chapter. 10 best Chapter homework points will be taken into consideration while calculating the total homework points	100 points	10%
Assignment 3: Mid-term Exams: Three mid-term Exams containing roughly five chapters each Project-Based Assignment: There will be optional project-based assignments to boost your mid-term exam performances. Project-Based Assignments: There will be three project-based assignments correspond to each of the mid-term exams which could be submitted Sunday before each of the mid-term exams. Each of these project-based exams carry 30 points. The points in the project-based assignments can be added to the respective exams as bonus points . (Best two exam scores will be taken into the calculation 2@ 25%).	500 points	50%
Assignment 4: Final Exam: (Materials from all the topics)	250 points	25%
Total Points Possible	1000 points	100%
Extra Points		
• 2 Quizzes based on Discussion Forums @ 5 points ea. • 3 Extra Credit homework	10 points	1%
	30 points	3%
Total Extra Points Possible	40 points	4%

Grading

Include the grading scale (A-F) along with the point totals/percentages you will use to calculate the final grade. For example:

A = 900-1000

B = 800-899

C = 700-799

D = 600-699

F = 500-599

IMPORTANT: All assignments are due by 11:59 PM of the date listed on the Course Calendar at the end of the Syllabus. Since we drop 4 lowest homework assignments, 4 lowest end-of-chapter quizzes, one lowest mid-term exam point, we do not extend due date deadlines for any assignments. If for any reason you miss an Exam, you must notify your instructor within 24 hours of missing it to get an opportunity to make it up.

Course Evaluation

Student Perceptions of Teaching (SPOT) is the student evaluation system for UNT and allows students the ability to confidentially provide constructive feedback to their instructor and department to improve the quality of student experiences in the course. **For the fall 2026 semester, you will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Please look for the email in your UNT email inbox. Simply click on the link and complete your survey.**

Course Policies

Assignment Policy

All assignments are due by the 11:59 PM of the date listed on the Course Calendar at the end of the Syllabus. The Quizzes and Exams will be help via Canvas lockdown browser using respondus. The list of homework will be posted in each module. The students should be able to upload solved homework files either in word, pdf, or jpg image format.

The University is committed to providing a reliable online course system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time-sensitive assessment activity, the instructor will extend the time windows and provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and contact the UNT Student Help Desk: helpdesk@unt.edu or 940.565.2324 and obtain a ticket number. The instructor and the UNT Student Help Desk will work with the student to resolve any issues at the earliest possible time.

Examination Policy

For taking the test you need a Laptop or Desktop computer which has access webcam and a microphone. Webcam and Microphone will be used by the instructor to Proctor the test. Mobile devices such as phone or tablet are not allowed. For taking the tests please take the following steps:

1. If you haven't done this before, please download the **LockDown Browser** either from canvas or using following link <https://clear.unt.edu/supported-technologies/respondus-lockdown-browser> (Links to an external site.)
2. Download the appropriate version of the browser (Windows/Mac) and install it.
3. Once Installed, open the Lockdown Browser. You will be asked to choose a server. Make sure you select "**UNT Denton Canvas**" and click ok.
4. This will take you to the UNT canvas website where you can login using your Euid and password.
5. Unless instructed by your instructor, you are not allowed to have any notes/lecture slides/reviews etc. during the actual test except a calculator, formula sheet and blank sheets of paper. Here is a video How to take the exam using lockdown browser https://youtu.be/_ltsKSJ6lCU demonstrating the expectation while taking the exam via the lockdown browser.
6. The use of phone, mobile communication devices are prohibited during the tests. If the instructor notices any suspicious use of these devices either points will be deducted or the students will be asked to retake the test.
7. If you lose your internet during an exam, please email me as soon as possible and we will help you. If you have issues with lockdown browser or canvas, please contact UNT Student Help Desk: helpdesk@unt.edu or 940.565.2324 and obtain a ticket number. The instructor and the UNT Student Help Desk will work with the student to resolve any issues at the earliest possible time.

Instructor Responsibilities and Feedback

As the instructor in this course, I am responsible for:

- providing course materials that will assist and enhance your achievement of the stated course goals, guidance,
- providing timely and helpful feedback within the stated guidelines, and
- assisting in maintaining a positive learning environment for everyone.

While I want to make myself as available as possible to each of you, I do have to place some limitations on when I can be contacted. I would prefer that most general questions go through the Q & A forum in the Discussion Board area. If you have a general question about the course or assignments, please post it there. Either I will answer it, or, one of your classmates will. This way we can all benefit from questions asked, and they can be answered in a venue that the whole class can see. You may also want to find someone in class to be a "buddy" with. This will give you at least one other person who you can email with questions.

If you have a private question, please contact me via email and I will respond within 24 hours on weekdays (usually sooner). Please do not expect a response over the weekend.

Normally, I will return feedback on all written assignments within 1 week of the due date. However, if I see that I will be unable to return your feedback that quickly I will post an announcement to let

everyone know when it can be expected. You can expect to see me participate in the discussion board after all student original posts have been posted - usually on the Friday of the first week of the module.

Late Work

All assignments are due by 11:59 PM of the date listed on the Course Calendar at the end of the Syllabus. Since we drop 4 lowest homework assignments, 4 lowest end-of-chapter quizzes, one lowest exam points, we do not extend due date deadlines for any assignments. All work turned in after the deadline will receive a grade of zero unless the student has a [university-excused absence \(Links to an external site.\)](#) and provides documentation with 48 hours of the missed deadline. If for any reason you miss an Exam, you must notify your instructor within 24 hours of missing it to get an opportunity to make it up.

Attendance Policy

Since this is an online class, participation in the weekly Quizzes will be counted as attendance. An attendance policy is required for every UNT syllabi. Visit the [University of North Texas' Attendance Policy](http://policy.unt.edu/policy/15-2-) (<http://policy.unt.edu/policy/15-2->) to learn more.

Class Participation

Since this is an online class, participation in the weekly Quizzes will be needed as participation in the course.

Syllabus Change Policy

Any change to the syllabus, course information, due dates will be intimated in the form of an announcement and an updated syllabus will be uploaded.

UNT Policies

Academic Integrity Policy

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. [Insert specific sanction or academic penalty for specific academic integrity violation.

Unauthorized Aids During Examinations and Assessments

Students may use only those materials and resources that are expressly authorized by the instructor for a particular examination or assessment. Touching, holding, or accessing any unauthorized aid during the examination period constitutes a violation of the Student Code of Conduct, regardless of whether the aid is used.

Any item that may be considered an unauthorized aid must be kept out of view and in a closed container (e.g. zipped backpack, buttoned purse, etc.) during the entirety of the examination or assessment.

Unless specifically authorized in writing by the instructor, prohibited aids include, but are not limited to:

- Mobile phones and smartphones

- Smartwatches and fitness trackers with communication, recording, or internet capabilities
- Tablets, laptops, and other computing devices
- Earbuds, headphones, and other audio devices
- Smart glasses, cameras, recording devices, and wearable technology
- Artificial intelligence (AI) tools, chatbots, and other generative AI technologies
- Notes, textbooks, study guides, formula sheets, or reference materials
- Any other device, material, or resource not expressly permitted by the instructor

Students are responsible for clarifying any questions about permitted materials before the examination begins.

ADA Policy

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the [Office of Disability Access website](http://www.unt.edu/oda) at <http://www.unt.edu/oda>. You may also contact ODA by phone at (940) 565-4323.

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Blackboard for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Blackboard online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (https://deanofstudents.unt.edu/conduct) to learn more.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (https://it.unt.edu/eagleconnect).

Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (http://spot.unt.edu/) or email spot@unt.edu.

Sexual Assault Prevention

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct, including sexual harassment sexual assault, domestic violence, dating violence, and stalking. Federal laws (Title IX and the Violence Against Women Act) and UNT policies prohibit discrimination on the basis of sex, and therefore prohibit sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking, and/or sexual assault, there are campus resources available to provide support and assistance. UNT's Survivor Advocates can assist a student who has been impacted by violence by filing protective orders, completing crime victim's compensation applications, contacting professors for absences related to an assault, working with housing to facilitate a room change where appropriate, and connecting students to other resources available both on and off campus. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students Office at 940-565- 2648. Additionally, alleged sexual misconduct can be non-confidentially reported to the Title IX Coordinator at oeo@unt.edu or at (940) 565 2759.

Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/) (http://www.ecfr.gov/). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to the completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course. If such an on-campus activity is required, it is the student's responsibility to do the following:

- (1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
- (2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.

Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See [UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (<https://policy.unt.edu/policy/07-002>).

Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student's permission unless all of the following criteria are met:

- The work is used only once.
- The work is not used in its entirety.
- Use of the work does not affect any potential profits from the work.
- The student is not identified.
- The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student's written permission.

Download the UNT System Permission, Waiver and Release Form

Transmission and Recording of Student Images in Electronically-Delivered Courses

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentation, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Course Calendar

Weeks Dates

Content

Homework and Quiz

Week 1	August 17	Ch. 1. Introduction and Mathematical Concepts	Chapter 1 HW, Quiz due on Monday, August 24
Week 2	August 24	Ch. 2. Kinematics in One Dimension	Chapter 2 HW, Quiz due on Monday, August 31
Week 3	August 31	Ch. 3. Kinematics in Two Dimensions	Chapter 3 HW, Quiz due on Monday, Sept 7
Week 4	September 7	Ch. 4.5 Forces and Newton's Laws of Motion	Chapter 4,5 HW, Quiz due on Monday, Sept 14
Week 5	September 14	Ch. 6. Dynamics of Circular Motion	Chapter 6 HW, Quiz due on Monday, Sept 21
Week 6	September 21	Tuesday – September 22: Exam 1. Ch 1-6, 6:00 AM-11:59 PM Ch. 7. Work and Energy	Chapter 7 HW, Quiz due on Monday, Sept 28
Week 7	September 28	Ch. 8. Impulse & Momentum	Chapter 8 HW, Quiz due on Monday, Oct 5
Week 8	October 5	Ch. 9. Rotational Kinematics	Chapter 9 HW, Quiz due on Monday, Oct 12
Week 9	October 12	Ch. 10. Rotational Dynamics	Chapter 10 HW, Quiz due on Monday, Oct 19
Week 10	October 19	Tuesday – October 20: EXAM 2: Ch. 6-10, 6:00 AM-11:59 PM Ch. 11, 12 Fluids and Fluid Dynamics	Chapter 11,12 HW due on Monday, Oct 26
Week 11	October 26	Ch. 13. Temperatures and Heat	Chapter 13 HW, Quiz due on Monday, Nov 2
Week 12	November 2	Ch. 14. Heat and the Heat Transfer Methods	Chapter 14 HW, Quiz due on Monday, Nov 9
Week 13	November 9	Ch. 15 Thermodynamics	Chapter 15 HW, Quiz due on Monday Nov 16
Week 14	November 16	Ch. 16 Simple Harmonic Motion, Elasticity, and Waves Waves, and Sound	Chapter 16 HW, Quiz due on Monday November 23
Week 15	November 23	Thanksgiving Break—No Classes	
Week 16	November 30	Tuesday: December 1, EXAM 3: Materials from Week 10-15 (Ch. 11-16) Ch. 17 Physics of Hearing	No Homework or Quiz Week 15
Final	December 7	Wednesday: December 9 Final All Exam Chapters	No Homework or Quiz Week 16