



EAST TENNESSEE STATE
UNIVERSITY

College of Arts and Sciences

Department of Physics and Astronomy

PHYS1030
Introduction to Physics Survey
Fall 2019

Syllabus

Contact Information

Instructor: Dr. Mallika Dhar

Email: dharm1@etsu.edu

Phone: 423-439-8682

Office: Brown Hall 282

Instructor Availability

The preferred method to contact the instructor is by email. If you have a matter that requires immediate assistance, you may call the instructor telephone number. An email will be answered within 48 hours of contact. Office hours are also available by appointment.

Online Course Information

This course is designed to be completely online and can be accessed through the D2L learning management system. There are no required on-ground sessions for this course. All material required for this course can be found through the D2L course site. This course is formatted in seven content modules. First module is called the Getting Started Module which includes the welcome video, course syllabus and other important information about the course. Other modules, from module 1 to module 6 include the topics of the course. Each module addresses more than one topic and is open for two weeks.

Course Information

Credit Hours

4 credit hours

Course Description and Purpose

Presents an interdisciplinary approach to the physical sciences with a concentration in physics. Relates the role of science to the daily activities of an educated person. Not open to students who have any previous college credit in any of the physical sciences.

Course Goals

Presents an interdisciplinary approach to the physical sciences with a concentration in physics. Relates the role of science to the daily activities of an educated person.

Course Objectives

The student will:

1. Review the current theory and research in Physics
2. Understand and be able to apply current theory to solve the problems presented to them.
3. Interpret phenomena from everyday experience within the framework of appropriate theory
4. Understand and explain the relationship between the theory, observations and experimental results.

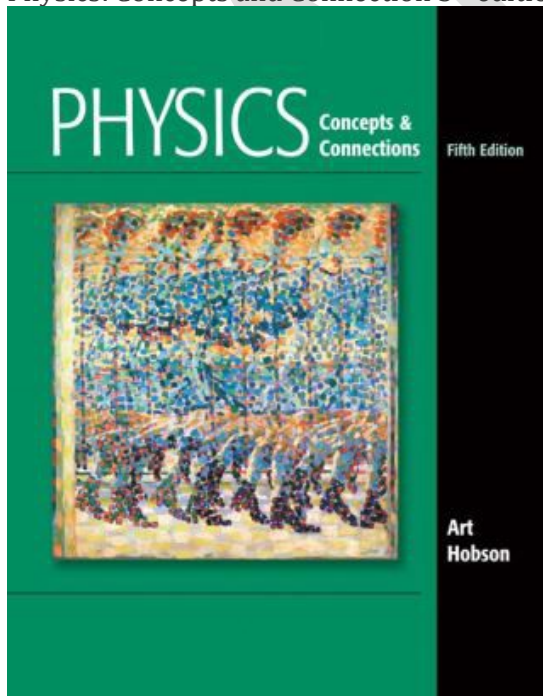
Major Topics

Atoms, Quantum Physics, Newton's Universe, The Special Theory of Relativity, Light and Electromagnetism, Quantum Fields: Relativity Meets the Quantum .

Course Requirements

Textbooks and Readings

Physics: Concepts and Connection 5th edition Art Hobson



Technical Requirements

This Course will require you to use Microsoft Word and Powerpoint to access some course documents. Both of these programs are available for free through Office Suite 365. This can be downloaded at <http://www.etsu.edu/365/>. This course will also require you to have a strong WiFi connection and the ability to record an audio file.

Course Policies and Expectations

Classroom and Communication Policies

Email Communication

Attendance and Participation

Students are expected to know how to navigate in D2L. Technical problems are to be addressed immediately by contacting OIT(423 439). Announcements and news of interest will be posted periodically on the D2L course site so students should check the site daily for updates.

Students are expected to submit assignments in a scholarly and timely manner. Directions are provided in each module. Interactions are expected to be professional and respectful of other class members. Use your university assigned email address in all communications

Online Course Ground Rules

- Email
 - Always include a subject line.
 - Always include a proper greeting and use proper grammar when composing an email.
 - Remember that without facial expressions some comments may be taken the wrong way. Be careful in wording your emails. Use of emoticons might be helpful in some cases.
 - Use standard fonts.
 - Respect the privacy of other class members.
- Discussion groups
 - Review the discussion threads thoroughly before entering the discussion.
 - Try to maintain threads by using the "Reply" button rather than starting a new topic.
 - Do not make insulting or inflammatory statements to other members of the discussion group. Be respectful of others' ideas.
 - Be patient and read the comments of other group members thoroughly before entering your remarks.
 - Be cooperative with group leaders in completing assigned tasks.
 - Be positive and constructive in group discussions.
 - Respond in a thoughtful and timely manner.
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Assignments and Submission Guidelines

All discussion board assignments will be posted to the discussion board while all module assignments will be posted in the module. Quizzes will be taken under the Assessment tab. You will find the required assignments along with some basic directions in the module.

Testing Policy

There will be a quiz on each module. Directions for each quiz will be provided in the directions in each module. Each quiz will be on 20 points.

There will be a final exam at the end of the semester. Final exam will be on 80 points.

Late and Missing Submission Policy

Late work will not be accepted unless there are extenuating circumstances such as severe illness or a death in the family. Any such circumstances should be clearly communicated to the instructor as soon as possible in order for extensions to be made to assignment due dates and quizzes.

Grading Policy

Six quizzes (20 points each) 120 points

Final Exam 80 points

Total points 200 points

Grading Scale

92 % or better	A
90 - 91.99%	A-
85 -89.99%	B+
80-84.99%	B
75 -79.99%	B-
70-74.99%	C+
65-69.99%	C
60-64.99%	C-
55-59.99%	D+
50-54.99%	D
Less than 50%	F

Student Services and Technical Resources

Student Services

The [ETSU Services webpage](#) includes a comprehensive list of services available to all ETSU students.

Academic Accommodations for Students with Disabilities

It is the policy of ETSU to accommodate students with disabilities, pursuant to federal law, state law and the University's commitment to equal educational access. Any student with a disability who needs accommodations, for example arrangement for examinations or seating placement, should inform the instructor at the beginning of the course. Faculty accommodation forms are provided to students through Disability Services in the D.P. Culp Center, Room 326, telephone 423-439-8346. [Visit the Disability Services webpage for more information.](#)

Technical Resources

Help Desk

The Information Technology Services (ITS) Help Desk is the best resource for most technical problems. Find answers to common questions on the [Help Desk website](#), call, email, or stop in to see them on the first floor of the Sherrod Library. Phone: 423-439-4648 Email: itshelp@etsu.edu

Desire2Learn (D2L) Online Help

Many answers to D2L related questions can be found on the [D2L Help Student Home](#). If you are still having trouble finding what you need, contact the Help Desk.

Microsoft Office Software

Microsoft Office productivity applications, including Word, PowerPoint, Excel, OneNote, and more, are available free for students through the University's Office 365 campus agreement. For instructions on how to obtain the software, see the [Office 365 page of the ITS Help Desk website](#).

Turnitin Plagiarism Detection

Turnitin is a plagiarism detection service available to students and faculty at ETSU. This tool compares student written work against a comprehensive database of other work as well as various internet sources. Faculty may employ this service for some or all written assignments, in order to help students learn to cite sources accurately and to ensure academic integrity. Learn more on the [Turnitin home page](#).

ETSU Technical Resources

Many other technical resources can be found on the [Online Help webpage](#).

University Information

Syllabus Attachment

The [ETSU syllabus attachment](#) includes important material such as permits and overrides, advisement, hours, dates and other ETSU information.

ETSU Catalogs

[Current Undergraduate Catalog](#)

[Current Graduate Catalog](#)

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