



PHYSICS I (FIZ 101E) – 2026/2027 FALL SEMESTER

TEXTBOOK

Young, Hugh D., and Freedman, Roger A. *University Physics with Modern Physics*. 15th ed. Pearson, 2019.

SUPPLEMENTARY TEXTBOOKS

- Giancoli, Douglas C. *Physics for Scientists & Engineers*.
- Halliday, David, Resnick, Robert, and Walker, Jearl. *Fundamentals of Physics*.
- Serway, Raymond A., and Jewett, John W. *Physics for Scientists and Engineers*.

SCHEDULE

Week	Date	Topics	Quizzes
1	28 Sep–2 Oct	Chapter 1: Units, Physical Quantities, and Vectors	—
2	5–9 Oct	Chapters 2 & 3: Kinematics	Demo Quiz
3	12–16 Oct	Chapter 4: Newton’s Laws of Motion	Quiz 1
4	19–23 Oct	Chapter 5: Applying Newton’s Laws	Quiz 2
5	26–30 Oct	Chapter 6: Work and Kinetic Energy	—
6	2–6 Nov	Chapter 7: Potential Energy and Energy Conservation	Quiz 3
7	9–13 Nov	Chapter 8: Momentum, Impulse, and Collisions	—
	16–20 Nov	Fall Break	—
8	23–27 Nov	Chapter 8: Momentum, Impulse, and Collisions	Quiz 4
9	30 Nov–4 Dec	Chapter 9: Kinematics of Rotational Motion	Quiz 5
10	7–11 Dec	Chapter 10: Dynamics of Rotational Motion	Quiz 6
11	14–18 Dec	Chapter 10: Dynamics of Rotational Motion	Quiz 7
12	21–25 Dec	Chapter 13: Gravitation	Make-up Quiz
13	28–31 Dec	Chapter 14: Periodic Motion	—

This schedule may be subject to adjustments during the semester. It is the students’ responsibility to stay informed about any changes by attending lectures and following the course announcements.

EXAMS AND ASSESSMENT OF GRADES

- **Midterm (40 %):** The date will be announced soon.
- **Final Exam (40 %):** The date will be announced by the [Registrar’s Office](#). Exam Topics: All chapters.
- **Quizzes (20 %):** See the table for the quiz schedule. Refer to the [guide](#) for information on potential technical issues.
- **VF Letter Grade:** Students must attend *at least* 70% of the classes and take the midterm exam in order to be eligible to take the final exam. Students who do not satisfy these conditions receive a VF letter grade.
- Letter grades are assigned in accordance with the guidelines set by the Senate. For more information, refer to the guidelines available at [Senate Guidelines](#).

IMPORTANT NOTES

- Students must regularly check the Student Information System (SIS) for Common Courses (fizikhavuz.itu.edu.tr) throughout the semester for announcements, attendance records, quiz results, and exam results.
- Students are strongly encouraged to watch both the [registration video](#) and the course-specific [introductory video](#) for the quiz platform used in the course. For assistance with potential technical issues, please refer to the [quiz guide](#).
- Students are responsible for all announcements made during lectures or posted on the [Physics Engineering Department website](#), the [SIS for Common Courses](#), and Ninova/Moodle. Students are also responsible for reviewing the course syllabus regularly and monitoring their itu.edu.tr email accounts.
- Exams consist of multiple-choice questions. Exam grades are calculated by subtracting one-quarter of the number of incorrect answers from the number of correct answers. If the resulting grade is negative, the grade is recorded as zero.
- Please review the “Frequently Asked Questions” for details on exams and make-up exams before contacting instructors.

FREQUENTLY ASKED QUESTIONS

1. Whom should I contact if I have a question about the FIZ 101E laboratories?

You can contact lecturer Yeşim Öztürk (gultekiny@itu.edu.tr), who is in charge of the FIZ 101E laboratories.

2. How can I track my attendance records and quiz results?

You must monitor your attendance records and quiz results through the [SIS for Common Courses](#) throughout the semester.

Your attendance record will first appear in Kepler and will later be transferred to the [SIS for Common Courses](#). When digital attendance is used, you must check your record in Kepler immediately after the card-reading process. If you notice a problem, you must inform your instructor before the end of the relevant lecture. Objections submitted after the lecture will not be considered. Your quiz scores will first appear on the Pearson quiz platform and will later be transferred to the [SIS for Common Courses](#).

Any suspected errors in your attendance records or quiz results may be reported through the [SIS for Common Courses](#).

3. How are quiz scores calculated?

There will be seven regular quizzes according to the schedule. Attendance is required for each regular quiz. If you do not have an attendance record for the relevant lecture, that quiz will be considered invalid and assigned a score of zero. An additional quiz, called the make-up quiz, will be held during the twelfth week of classes. Attendance is not required for the make-up quiz. Your seven highest scores out of the eight quizzes will be used to calculate your quiz grade.

4. How do I find out the exam dates?

You can find the date for the midterm exam in the relevant course syllabus. The final exam date will be announced by the [Registrar's Office](#).

5. How do I find out the location of my exam?

Exam locations will be announced on the [SIS for Common Courses](#) a few days before the exam.

6. How can I check my exam score for the course I'm enrolled in?

Exam results will be announced through the [SIS for Common Courses](#). Your instructor will also announce exam grades through the Kepler system.

7. I believe there is a mistake in my optical answer sheet or exam questions. Whom should I contact?

After reviewing your optical answer sheet on the [SIS for Common Courses](#), you may report any result that you believe to be incorrect by using the report link displayed below your results.

If you believe there is a mistake in an exam question, you may submit a petition to the Department of Physics Engineering. The petition must identify the question you are objecting to and include your proposed solution. You may also email fizik-havuz@itu.edu.tr for further information; however, an email does not replace the formal petition.

8. What do I need to do to take the make-up exam?

Students who are unable to take FIZ 101E/FIZ 102E exams due to a valid reason must submit a petition to their faculty within the specified deadlines (see: [Mazeretlerin Kabulü ve Mazeret Sınavlarının Yapılış Esasları](#)), along with valid documentation supporting their request.

Details regarding the location and time of make-up exams will be announced on the [SIS for Common Courses](#). To check the status of your petition and documents, you may contact fizik-havuz@itu.edu.tr with the subject line "About the Make-Up Exam Documents" during the week before the make-up exam.

9. What is the passing grade in FIZ 101E/FIZ 102E courses? What will my letter grade be?

The evaluation of achievement in FIZ 101E/FIZ 102E courses is carried out in accordance with the [Achievement Measurement and Evaluation Senate Principles](#) No. 845 dated 28.09.2023. As per the decision of the Senate, the limits of letter grades cannot be determined until the end-term averages of the courses are finalized. Letter grades will be announced after the departmental evaluation of grade distributions is completed.