



## PHYSICS I (FIZ 101E) – 2025/2026 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	29 Sep–3 Oct	Chapter 1: Units, Physical Quantities, and Vectors	
2	6–10 Oct	Chapters 2 & 3: Kinematics	Demo Quiz
3	13–17 Oct	Chapter 4: Newton’s Laws of Motion	Quiz 1
4	20–24 Oct	Chapter 5: Applying Newton’s Laws	Quiz 2
5	27–31 Oct	Chapter 6: Work and Kinetic Energy	Quiz 3 (Online)
6	3–7 Nov	Chapter 7: Potential Energy and Energy Conservation	Quiz 4
7	10–14 Nov	Chapter 8: Momentum, Impulse, and Collisions	Quiz 5
8	17–21 Nov	Chapter 8: Momentum, Impulse, and Collisions	Quiz 6
9	24–28 Nov	Chapter 9: Kinematics of Rotational Motion	Quiz 7
10	1–5 Dec	Chapter 10: Dynamics of Rotational Motion	Quiz 8
11	8–12 Dec	Chapter 10: Dynamics of Rotational Motion	Quiz 9
12	15–19 Dec	Chapter 13: Gravitation	Quiz 10
13	22–26 Dec	Chapter 14: Periodic Motion	Quiz 11
14	29 Dec–2 Jan	Chapter 14: Periodic Motion	Quiz 12 (Online)

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 checking for updates.

### EXAMS AND ASSESSMENT OF GRADES

The information below is presented in brief. Please see [the announcement](#) by the Faculty of Science and Letters for details. For the exam rules see [the announcement](#) by the Faculty of Science and Letters.

- **Midterm (30%):** 30 November 2025, Sunday, 13:00–15:00. Exam Topics: Chapter 1–Chapter 7.
- **Final Exam (40%):** The date will be announced by the [Registrar’s Office](#). Exam Topics: All chapters.
- **Quizzes (30%):** See the table for the quiz schedule. Among the 13 quizzes, only the highest 10 scores will be considered. The date of the third online quiz will be announced later. Refer to the [guide](#) for information on potential technical issues.
- **Any of the following will result in a VF grade:** Attending less than 70% of the classes, missing the midterm exam, or missing more than three of the 13 quizzes.
- 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

- We kindly request that you watch the [introductory video of the platform](#) to be used in the course.
- Students are responsible for all announcements made during lectures, posted on the [Physics Engineering Department website](#) and Ninova/Moodle.
- 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 FIZ101E/FIZ102E laboratories?**

You can contact lecturer Yeşim Öztürk (gultekiny@itu.edu.tr), who is in charge of the FIZ101E/FIZ102E laboratories.

**2. 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 announcement will be made by the [Registrar's Office](#).

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

Exam locations will be announced on the FIZ101E/FIZ102E [webpage](#) a few days before the exam.

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

Your course instructor will announce exam grades through the Kepler system. You can also access your optical answer sheet on the FIZ101E/FIZ102E [webpage](#).

**5. I believe there is a mistake in my optical answer sheet or exam questions. Who should I contact?**

After reviewing your optical answer sheet on the FIZ101E/FIZ102E [webpage](#), you can report the result you think is incorrect to the email address fizik-havuz@itu.edu.tr with the subject line 'About the Optical Form'. Please attach a screenshot of the error to your email. If you think there is a mistake in the exam question, you can apply to the Department of Physics Engineering with a petition containing the question you object to and your solution to the problem and you can also send an email to fizik-havuz@itu.edu.tr.

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

Students who are unable to take FIZ101E/FIZ102E 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 Physics Engineering Department's webpage (<https://fizik.itu.edu.tr/en/home>). To check the status of your petition and documents, please contact fizik-havuz@itu.edu.tr with the subject line 'About the Make-Up Exam Documents' during the week before the make-up exam.

**7. What is the passing grade in FIZ101E/FIZ102E courses? What will my letter grade be?**

The evaluation of achievement in FIZ101E/FIZ102E 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.