



## 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%):** 15 November 2025, Saturday, 10:00–12:00. 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 12 quizzes, only the highest 10 scores will be considered. 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 two of the 12 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.