



## PHYSICS I (FIZ 101E) – 2024/2025 SPRING SEMESTER

### TEXTBOOK

Young, Hugh D., and Freedman, Roger A. *University Physics with Modern Physics*. 14th ed. Pearson, 2016.

### 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
1	17–21 Feb	Chapter 1: Units, Physical Quantities, and Vectors
2	24–28 Feb	Chapters 2 & 3: Kinematics
3	3–7 Mar	Chapter 4: Newton’s Laws of Motion
4	10–14 Mar	Chapter 5: Applying Newton’s Laws
5	17–21 Mar	Chapter 6: Work and Kinetic Energy
6	24–28 Mar	Chapter 7: Potential Energy and Energy Conservation
	31 Mar–4 Apr	<b>Spring Break</b>
7	7–11 Apr	Chapter 8: Momentum, Impulse, and Collisions
8	14–18 Apr	Chapter 8: Momentum, Impulse, and Collisions
9	21–25 Apr	Chapter 9: Kinematics of Rotational Motion
10	28 Apr–2 May	Chapter 10: Dynamics of Rotational Motion
11	5–9 May	Chapter 10: Dynamics of Rotational Motion
12	12–16 May	Chapter 13: Gravitation
13	19–23 May	Chapter 14: Periodic Motion
14	26–30 May	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 checking for updates.

### EXAMS

- **Midterm I (30%)**: 19 April 2025, Saturday, 13:00–15:00. Exam Topics: Chapter 1–Chapter 8 (8.1-8.4).
- **Midterm II (30%)**: 17 May 2025, Saturday, 13:00–15:00. Exam Topics: Chapter 1–Chapter 10.
- **Final Exam (40%)**: The date will be announced by the [Registrar’s Office](#). Exam Topics: All chapters.

### IMPORTANT NOTES

- Students are responsible for all announcements made during lectures, posted on the [Physics Engineering Department website](#) and Ninova.
- Exams will consist of multiple-choice questions. Exam grades will be 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 will be recorded as zero.
- Students who do not attend any of the midterm exams will not be permitted to take the final exam and will receive a **VF** 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](#).
- Please review the ‘Frequently Asked Questions’ before contacting instructors.

## FREQUENTLY ASKED QUESTIONS

### 1. How do I find out the exam dates?

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

### 2. 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.

### 3. 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](#).

### 4. 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](mailto: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](mailto:fizik-havuz@itu.edu.tr).

### 5. 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](mailto:fizik-havuz@itu.edu.tr) with the subject line 'About the Make-Up Exam Documents' during the week before the make-up exam.

### 6. 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.