T.C.
İSTANBUL TEKNİK ÜNİVERSİTESİ
FEN EDEBİYAT FAKÜLTESİ
FİZİK MÜHENDİSLİĞİ BÖLÜMÜ
MASLAK 34469 İSTANBUL

PHYSICS 101E–2023/2024 SPRING

TEXTBOOK:

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

SUPPLEMENTARY TEXT:

- 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*.

PROBLEM SESSION:

- Fridays, 14:30–16:30, Classroom: MED A32, Online: Zoom link is shared on ninova.

Week		Chapter	Topics
1	12–16 February	Chapter 1	Units, Physical Quantities, and Vectors
2	19–23 February	Chapter 2 & 3	Kinematics
3	26 February–1 March	Chapter 4	Newton's Laws of Motion
4	4–8 March	Chapter 5	Applying Newton's Laws
5	11–15 March	Chapter 6	Work and Kinetic Energy
6	18–22 March	Chapter 7	Potential Energy and Energy Conservation
7	25–29 March	Chapter 8	Momentum, Impulse, and Collisions
8	1–5 April	Chapter 8	Momentum, Impulse, and Collisions
	8–12 April	Semester Break	
9	15–19 April	Chapter 9	Kinematics of Rotational Motion
10	22–26 April	Chapter 10	Dynamics of Rotational Motion (10.1–10.4)
11	29 April–3 May	Chapter 10	Dynamics of Rotational Motion (10.5–10.7)
12	6–10 May	Chapter 12	Gravitation
13	13–17 May	Chapter 13	Periodic Motion
14	20–24 May	Chapter 13	Periodic Motion

EXAMS:

Midterm I (30%) : 23 March 2024 Saturday, 16:30 –18:30. Exam Topics: Chapter 1–Chapter 6

Midterm II (30%): 4 May 2024 Saturday, 13:00–15:00. Exam Topics: Chapter 1–Chapter 10 (10.1–10.4)

Final Exam (40%): Exact date and time will be announced by the Registrar's Office. Exam Topics: All chapters.

IMPORTANT NOTES:

- The exams will consist of multiple-choice questions. Exam grades will be calculated by subtracting one quarter of the number of wrong answers from the number of correct answers. If the resulting grade is negative, the grade will be considered as zero.
- Students, who do not attend at least one of the midterm exams, are not admitted to the final exam and get **VF**.
- Letter grades are assigned in accordance with the guidelines set by the Senate.
  Guidelines: https://www.sis.itu.edu.tr/TR/mevzuat/ders-basari-olcme-ve-degerlendirme-senato-esaslari.php#
- All course announcements will be posted on https://fizik.itu.edu.tr/en/home. It is the responsibility of students to regularly check this web page for updates.

FREQUENTLY ASKED QUESTIONS

What is the procedure for requesting a quota increase in FIZ101E/FIZ102E courses?

Course registrations are being conducted as announced in the academic calendar. The insufficiencies in the quotas of the courses are being monitored, and quota increases are regularly implemented. You can follow the quota increases that will take place according to the schedule determined by the Registrar's Office through the website. You can follow the relevant announcements and complete your registration process. In addition, quota increases will be regularly carried out during the add/drop period. Apart from that, if you have any special circumstances related to course registrations during this period, you can submit your petition stating your requests to the Faculty of Science and Letters Dean's Office. You must follow the application dates regarding your requests on the Physics Engineering Department home page (https://fizik.itu.edu.tr/en/home). There is no need to submit a request to a different unit/department other than the Faculty of Science and Letters Dean's Office.

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.

How do I find out the location of my exam?

Exam locations will be announced on the FIZ101E/FIZ102E website a few days before the exam.

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

Your exam grades will be announced by your course instructor in the Kepler system. You can also access your optical answer sheet from the FIZ101E/FIZ102E website.

I think there is a mistake in my optical answer sheet and/or exam questions. Where should I apply?

After reviewing your optical answer sheet on the FIZ101E/FIZ102E website, you can report the result you think is incorrect to the email address fizik-havuz@itu.edu.tr with the subject heading '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.

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 excuse must submit a petition to **their own faculty** within five business days following the exam, along with valid documents stating their excuse. The place and time information of the make-up exams will be announced on the Physics Engineering Department's home page (https://fizik.itu.edu.tr/en/home). Please learn the status of your petition and documents by contacting fizik-havuz@itu.edu.tr with the subject heading 'About the make-up exam documents' the week before the make-up exam.

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. For this reason, the passing score is currently not declared. Pass/letter grades will be announced after the departmental evaluation of grade distributions is completed.

❗ **All course announcements will be published on the link https://fizik.itu.edu.tr/en/home. It is the responsibility of students to regularly check this web page for updates.**