



PHYSICS 102E–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, 15:30–17:30, Classroom: MED A31, Online: Zoom link is shared on ninova.

Week	Chapter	Topics	
1	12–16 February	Chapter 21	Electric Charge and Electric Field (21.1–21.7)
2	19–23 February	Chapter 22	Gauss's Law (22.1–22.5)
3	26 February–1 March	Chapter 23	Electric Potential (23.1–23.5)
4	4–8 March	Chapter 24	Capacitance and Dielectrics (24.1–24.4)
5	11–15 March	Chapter 25	Current, Resistance and Electromotive Force (25.1–25.5)
6	18–22 March	Chapter 26	Direct-Current Circuits (26.1–26.5)
7	25–29 March	Chapter 27	Magnetic Field and Magnetic Forces (27.1–27.7)
8	1–5 April	Chapter 28	Sources of Magnetic Field–Biot Savart & Ampere's Laws (28.1–28.7)
	8–12 April	Spring Break	
9	15–19 April	Chapter 28	Sources of Magnetic Field–Biot Savart & Ampere's Laws (28.1–28.7)
10	22–26 April	Chapter 29	Electromagnetic Induction–Faraday's Law (29.1–29.3)
11	29 April–3 May	Chapter 29	Electromagnetic Induction–Faraday's Law (29.4–29.5, 29.7)
12	6–10 May	Chapter 30	Inductance–Inductors (30.1–30.6)
13	13–17 May	Chapter 32	Electromagnetic Waves (32.1–32.5)
14	20–24 May	Chapter 32	Electromagnetic Waves (32.1–32.5)

EXAMS:

Midterm I (30%): 23 March 2024 Saturday, 13:30 –15:30. Exam Topics: Chapter 21–Chapter 25

Midterm II (30%): 4 May 2024 Saturday, 10:00–12:00. Exam Topics: Chapter 21–Chapter 29 (29.1–29.3)

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

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.

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.