



PHYSICS 101E–2023/2024 SUMMER

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*.

Week	Chapter	Topics
1	1–5 July Chapter 1 Chapter 2&3	Units, Physical Quantities, and Vectors Kinematics
2	8–12 July Chapter 4 Chapter 5	Newton's Laws of Motion Applying Newton's Laws
3	15–19 July Chapter 6 Chapter 7	Work and Kinetic Energy Potential Energy and Energy Conservation
4	22–26 July Chapter 8 Chapter 9	Momentum, Impulse, and Collisions Kinematics of Rotational Motion
5	29 July–2 August Chapter 10 Chapter 12	Dynamics of Rotational Motion Gravitation
6	5–9 August Chapter 13	Periodic Motion

EXAMS:

Midterm Exam (50%) : 28 July 2024 Sunday, 10:00 –12:00. Exam Topics: Chapter 1–Chapter 7

Final Exam (50%): Exact date and time will be announced by the [Registrar's Office](#). Exam Topics: All chapters.

IMPORTANT NOTES:

- Students, who do not attend the midterm exam, are not admitted to the final exam and get **VF**.
- 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.
- 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.