



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

FIZ 101E – 2021/2022 Fall

TEXTBOOK:

H. D. Young and R. A. Freedman, University Physics 12th Ed. Pearson (2008).
or
H. D. Young and R. A. Freedman, University Physics 14th Ed. Pearson (2016).

SUPPLEMENTARY TEXT:

1. D. C. Giancoli, Fen Bilimcileri ve Mühendislik için Fizik (Dördüncü Baskıdan Çeviri), Akademi (2009).
2. D. Halliday, R. Resnick & J. Walker, Fundamentals of Physics (8th Ed.), John Wiley (2008).
3. R. A. Serway & J. W. Jewett, Physics for Scientists and Engineers (7th Ed.), Brooks Cole (2007).

Week	Date	Chapter	Topics
1	4 Oct 2021	Chapter 1	Units, Physical Quantities and Vectors
2	11 Oct 2021	Chapter 2 & 3	Kinematics
3	18 Oct 2021	Chapter 4	Newton's Laws of Motion
4	25 Oct 2021	Chapter 5	Applying Newton's Laws
5	1 Nov 2021	Chapter 6	Work and Kinetic Energy
6	8 Nov 2021	Chapter 7	Potential Energy and Energy Conservation
7	15 Nov 2021	Chapter 8	Momentum, Impulse and Collisions
	22 Nov 2021		
8	29 Nov 2021	Chapter 8	Momentum, Impulse and Collisions
9	6 Dec 2021	Chapter 9	Kinematics of Rotational Motion
10	13 Dec 2021	Chapter 10	Dynamics of Rotational Motion
11	20 Dec 2021	Chapter 10	Dynamics of Rotational Motion
12	27 Dec 2021	Chapter 12	Gravitation
13	3 Jan 2022	Chapter 13	Periodic Motion
14	10 Jan 2022	Chapter 13	Periodic Motion

Exams:

Midterm : Dec 11th. Chapter 1 – Chapter 8 (Includes Chapter 8)

Final Exam : Jan 17 –30, 2022 (Exact date and time will be announced by the Student Administration Office.)
(Includes all chapters).

Homeworks: Homework I – Nov 13rd, Homework II – Dec 25th.

Letter Grade Weights:

Midterm : 40 %

Homework : 20 % (2 Homework x 10%)

Final : 40 %

Attendance:

Students failing to score at least 25% (i.e. 15 out of 60) on the in-term assessments (midterm and homework) will not be allowed to attend the final exam and will be graded **VF**.

Please keep track of the webpage of Physics Eng. Dept, not to miss any announcements!