



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



## FIZ 101E – 2020/2021 Spring

### 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	1 March 2021	Chapter 1	Units, Physical Quantities, and Vectors
2	8 March 2021	Chapter 2 and 3	Kinematics
3	15 March 2021	Chapter 4	Newton's Laws of Motion
4	22 March 2021	Chapter 5	Applying Newton's Laws
5	29 March 2021	Chapter 6	Work and Kinetic Energy
6	5 April 2021	Chapter 7	Potential Energy and Energy Conservation
7	12 April 2021	Chapter 8	Momentum, Impulse, and Collisions
8	19 April 2021	Chapter 8	Momentum, Impulse, and Collisions
9	26 April 2021	Chapter 9	Kinematics of Rotational Motion
10	3 May 2021	Chapter 10	Dynamics of Rotational Motion
	10 May 2021		
11	17 May 2021	Chapter 10	Dynamics of Rotational Motion
12	24 May 2021	Chapter 12	Gravitation
13	31 May 2021	Chapter 13	Periodic Motion
14	7 June 2021	Chapter 13	Periodic Motion

### Exams:

Midterm : April 24, 2021. Chapter 1 – Chapter 8 ( Includes Chapter 8)

Final Exam : June 14 –27, 2021 (Exact date and time will be announced by the Student Administration Office.)  
(Includes all chapters).

Homeworks: Homework I – April 30th , Homework II – May 21st.

### 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!