



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



PHYSICS 101E – 2017/2018 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	11 September 2017	Chapter 1	Units, Physical Quantities, and Vectors
2	18 September 2017	Chapter 2 and 3	Kinematics
3	25 September 2017	Chapter 4	Newton's Laws of Motion
4	2 October 2017	Chapter 5	Applying Newton's Laws
5	9 October 2017	Chapter 6	Work and Kinetic Energy
6	16 October 2017	Chapter 7	Potential Energy and Energy Conservation
7	23 October 2017	Chapter 8	Momentum, Impulse, and Collisions
	30 October 2017		Semester Break
8	6 November 2017	Chapter 8	Momentum, Impulse, and Collisions
9	13 November 2017	Chapter 9	Kinematics of Rotational Motion
10	20 November 2017	Chapter 10	Dynamics of Rotational Motion
11	27 November 2017	Chapter 10	Dynamics of Rotational Motion
12	4 December 2017	Chapter 12	Gravitation
13	11 December 2017	Chapter 13	Periodic Motion
14	18 December 2017	Chapter 13	Periodic Motion

Exams:

1st Midterm : October 21, 2017 (includes from chapter 1 to chapter 7)

2nd Midterm : December 9, 2017 (includes from chapter 7 to chapter 10)

Final Exam : January 3-12, 2018. Exact date and time will be announced by the Student Administration Office (Includes all chapters).

Letter Grade Weights:

1st Midterm : 30 %

2nd Midterm : 30 %

Final : 40 %

Attendance:

You have to attend at least 70% of the lectures. This is not the requirement of Physics Department but our University.¹ In addition, in order to take the final exam, you have to take at least the total 20.0 points over 60.0 from the midterms.

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