

Course Name	Course Code	Semester	T + P	Credit	ECTS
Physics I		1	4 + 0	4	5

Prerequisite Courses	None
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If the language of Code	Turkish
Course class	Compulsory
If the Coordinator of Code	
Instructor	
Assistant Course	No
Objective of Course	The aim of this course is; to give information about basic concepts of physics to computer engineering students in the first year and engineering as well as the use and benefits of the physics of our daily lives.
<b>Course Learning Output</b>	<b>The students completed the course:</b> <ul style="list-style-type: none"> <li>Gain the ability to use the techniques necessary for engineering applications.</li> <li>Apply skills in mathematics, science and engineering knowledge.</li> <li>Gain ability to define, formulate and solve engineering problems.</li> </ul>
<b>Contents Course</b>	Basic information about kinematics and kinetic topics is given in physics course.

Weeks	Topics
1	Units and standards, Force, Graphical presentation, Vectors, Components of a vector, Vertical components method
2	The presence of force, The vectorial total and difference, Problems, Balance, Newton's First Law, Newton's Second Law
3	Balance samples, Frictional force, Problems
4	Balance, A force Momenti, Equilibrium second Conditioned, Parallel forces, Applications
5	Center of Gravity, Applications, Problems
6	Linear motion, Average speed and instantaneous speed, Average acceleration and instantaneous acceleration, Linear motion with constant acceleration
7	Velocity and path integration, Free falling objects, Velocity components, Problems
8	MIDTERM
9	Newton's Second Law, Pull, Mass, Units, Mass and Weight, Newton's general law of attraction
10	The mass of the supply and the changes in G, Applications, Problems
11	Planar motion, The movement of a bullet, Oblique shot, Circular motion, Centripetal force
12	Work done when the force changes, Kinetic energy, Gravitational potential energy, Applications
13	Flexibility is the potential energy, Business and energy principle, Power, Mass, Energy, Impulse and Momentum, Momentum protection, Problems
14	An overview
15	FINAL EXAM

General Sufficiency
In evaluations, it is important for students to understand the main points of this lesson and use it in engineering applications.
References
<ul style="list-style-type: none"> <li>Richards, Sears, Wehr, Zemansky, ( Çev: Domaniç, F., TACER, L., MURAT, Y., Modern Üniversite Fiziği, C.I, Çağlayan Kitabevi, İstanbul</li> <li>Douglas C. GIANCOLI, Çeviren: Prof. Dr. Gülsen Önengüt, FEN BİLİMCİLERİ &amp; MÜHENDİSLER İÇİN FİZİK, Yayınevi: Akademi Yayıncılık, Yayın Yeri: ANKARA, ISBN NO: 9789756885208, Yayın Yılı: 2009</li> </ul>
Assessment
Midterm: 40% Final exam: 60% of the project or assignment can be made and announced at the beginning of the semester evaluations.