Course Syllabus

Code - Course Title	**FİZ131 - Physical**
Course Type	I. SEMESTER
Laboratory + Practice	2+0
ECTS	**2.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ SERKAN LEVENT, DOÇ. DR. ASAF EVRİM EVREN

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	*Orhun, Ö. (Editör) (2003) Teknolojinin Bilimsel İlkeleri, Bilim Teknik Yayınevi, İstanbul. * Serway, R. A., Beichner, R. J., Jewett, J, çeviri editörü Çolakoğlu, K., (2007) Fen ve Mühendislik için Fizik, Palme Yayıncılık, Ankara. *Halliday,D.,R.Resnick & J. Walker (2001) Fundamentals of Physics (6Th Ed., Extended). New York : J. Wiley & Sons.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Physics and Measurement	
Week - 2		Vectors	
Week - 3		Laws of Motion	
Week - 4		Laws of Motion	
Week - 5		Work and Kinetic Energy	
Week - 6		Work and Kinetic Energy	
Week - 7		Potential Energy and Conservation of Energy	
Week - 8		Static Balance	
Week - 9		Fluid Mechanics	
Week - 10		Light and Optics	
Week - 11		Light and Optics	
Week - 12		Physical Quality Control Methods	
Week - 13		Physical Quality Control Methods	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Physical Quality Control Methods	

Learning Outcomes

#	Learning Outcome
1	explain the mesaurement technique.
2	perform calculations related with vectors.
3	explain the motion in one and two dimensions.
4	analyse the causes of motion.
5	explain the energy and transfer of energy.
6	explain the linear momentum and the collision.
7	analyse the rotational motion of a rigid body about a specified axis.
8	explain the concept of equilibrium.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.