

First classes: MonTue 19-20 Sep. 2011

Sect.1 **MnWeFr** A5 **13:30-14:20** SCI Z24
 Sect.2 **TuThFr** A2 **10:30-11:20** SCI Z24
 Sect.3 **TuThFr** A3 **11:30-12:20** SCI Z24
 Sect.4 **TuThFr** A4 **12:30-13:20** SCI Z24
 Sect.5 **TuThFr** A6 **14:30-15:20** SCI Z24
 Sect.6 **TuThFr** A7 **15:30-16:20** SCI Z24

Coordinator: Labs and Problem Sessions

Instructor	office	tel	office hour
Gülây Dereli	Sci 106	1799	Fr A6 14:30-15:20
Alper Kiraz	Sci 140	1701	Tu A7 15:30-16:20
Menderes Işkın	Sci 116	1604	Th A7 15:30-16:20
Özgür Müstecaplıoğlu	Sci 155	1424	Th A6 14:30-15:20
Alper Kiraz	Sci 140	1701	Tu A7 15:30-16:20
Kaan Güven	Sci 217	1697	Tu A6 14:30-15:20
Nazmi Yılmaz	Sci 136	1726	Mn A6 14:30-15:20
Teaching Assts.	Sci 130	1893	TuWe A2,A3

Course Web Site: <http://generalphysics.ku.edu.tr>**STUDENTS MUST REGULARLY CONSULT WEB SITE FOR UPDATED, DETAILED COURSE INFORMATION**

Required textbook: **University Physics** by **Young and Freedman, vol.1** 13th Ed. Addison-Wesley (2012). Available at the bookstore.

Additional recommended textbook: **Fundamentals of Physics** by **David Halliday, Robert Resnick and Jearl Walker, vol.1** 8th Ed. Wiley (2007).

Week	Subject (Chapter in book)	Week	Subject (Chapter in Book)
1 Sep.19	Kinematics in 1D (Ch.2)	8 Nov.14	Gravitation (Ch.13)
2 Sep.26	Kinematics in 2D and 3D (Ch.3)	9 Nov.21	Rotation and Rigid Bodies (Ch.9)
3 Oct.03	Newton's Laws (Ch.4)	Nov.28	Midterm II (Chs.6,7,8,13)
4 Oct.10	Applying Newton's Laws (Ch.5)	10 Nov.28	Dynamics of Rotation (Ch.10)
5 Oct.17	Work and Kinetic Energy (Ch.6)	11 Dec.05	Dynamics of Rotation (Ch.10)
Oct.24	Midterm I (Chs.2,3,4,5)	12 Dec.12	Equilibrium and Elasticity (Ch.11)
6 Oct.24	Potential Energy, Energy Cons. (Ch.7)	13 Dec.19	Periodic Motion (Ch.14)
7 Oct.31	Momentum and Impulse (Ch.8)	14 Dec.26	Mechanical Waves (Ch.15)
		Jan.04-14	Final (Chs.9,10,11,14,15)

Grading: Midterm I 20%, Midterm II 20%, Final 23%, 6 Labs 24%, 12 Weekly Problem Session Quizzes 13%

Make-up Policy: If you miss a Midterm, the Final, a Laboratory Session, or a Problem Session (PS) Quiz and have a legitimate absence approved by the University, you will be given a make-up on the official make-up exam date as scheduled by the Registrar's Office.

Attendance: All students are required to attend classes, laboratory experiments, and problem sessions (PS's). Students who miss more than 13 classes will get an automatic F irrespective of their course average. Students who miss 3 classes or less will get 4 bonus points added to their final course grade.

Laboratory: 6 Experiments: 1- Kinematics of Horizontal Motion, 2- Accelerated Motion on an Inclined Plane, 3- Projectile Motion, 4- Dynamics of Motion, 5- Conservation of Linear Momentum, 6- Rotational Motion.

Laboratory manual available at the photocopy office at Suna Kiraç Library.

Laboratory notebook available at the bookstore.

Please consult web site for **laboratory guidelines, academic honesty, and classroom conduct.**

Selected problems are posted at the web site and are crucial to success in the course.

We wish our students a successful semester in all aspects. Our doors are always open for consultation.

The Freshman Physics Staff at Koç University