PHYS 101: General Physics 1 **KOÇ UNIVERSITY** **Fall Semester 2010**

College of Sciences

First classes: Mon-Tue 27-28 Sep. 2010	Instructor	office	tel	**office hour**
Sect.1 **Mo-We**B1 **09:30-10:45** SCI Z24	**Gülay Dereli**	SCI 106	1799	Mo B2 11:00-12:15
Sect.2 **Tu-Th** B1 **09:30-10:45** SCI Z24	**Alper Kiraz**	SCI 140	1701	We B1 09:30-10:45
Sect.3 **Tu-Th** B2 **11:00-12:15** ENG Z15	**Ali Serpengüzel**	SCI 119	1312	Th B5 15:30-16:45
Sect.4 **Tu-Th** B3 **12:30-13:45** SCI Z24	**Özgür Müstecaplıoğlu**	SCI 155	1424	Tu B5 15:30-16:45
Sect.5 **Tu-Th** B4 **14:00-15:15** SCI Z24	**Menderes Işkın**	SCI 116	1604	Tu B5 15:30-16:45
Sect.6 **Tu-Th** B5 **15:30-16:45** SCI Z24	**Kaan Güven**	SCI 217	1697	Tu B6 17:00-18:15
Coordinator: Labs and Problem Sessions	**Nazmi Yılmaz**	SCI 136	1726	Mo B4 14:00-15:15
	Teaching Assistants	SCI 130	1893	Tu B2,B3,B4

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** 12th Ed. Addison-Wesley (2007). 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. 27	Kinematics in 1D (Ch.2)	8	Nov.22	Rotation and Rigid Bodies (Ch.9)
2	Oct. 04	Kinematics in 2D and 3D (Ch.3)	9	Nov 29	Dynamics of Rotation (Ch.10)
3	Oct. 11	Newton's Laws (Ch.4)	10	Dec.06	Dynamics of Rotation (Ch.10)
4	Oct. 18	Applying Newton's Laws (Ch.5)		Dec.13	**Midterm II (Chs.6,7,8,9,10)**
	Oct. 25	**Midterm I (Chs.2,3,4,5)**	11	Dec.13	Periodic Motion (Ch.13)
5	Oct. 25	Work and Kinetic Energy (Ch.6)	12	Dec.20	Fluid Mechanics (Ch.14)
6	Nov. 01	Potential Energy, Energy Cons. (Ch.7)	13	Dec.27	Mechanical Waves (Ch.15)
7	Nov. 08	Momentum and Impulse (Ch.8)	14	Jan. 03	Sound and Hearing (Ch.16)
				Jan. 10-23	**Final (Chs.13,14,15,16)**

Grading: Midterm I 21%, Midterm II 21%, Final 22%, 6 Labs 24%, and 12 Weekly Problem Session Quizzes 12%.

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). Even a university approved "Medical Excused Absence" or "Dean of Student's Excused Absence" doesn't relieve you of this attendance requirement. Students who miss more than 9 classes (Excused or Unexcused) will get an automatic F irrespective of their course average.

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, and 6- Rotational Motion.

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

Laboratory notebook available at the bookstore.

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

Selected problems are posted at the course web site and are crucial to your 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