

FIZ101E – Lecture 1

Units, physical quantities, and vectors



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FIZ101E Mechanics

Course Overview

- Course web page: <http://www.fizik.itu.edu.tr/physics-10x/>
- Attendance: 70% mandatory by university rules
- Homework: online at <http://www.fizikodev.itu.edu.tr/>, approximately weekly (start date will be announced)
- Laboratory sessions for the course will start on October 10
- Office hours in FEB B4-212:

To be announced

FIZ101E Mechanics

Course Overview

- First mid-term exam: to be announced
- Second mid-term exam: to be announced
- Letter grade weights:
 - mid-term exams – 25% each
 - final exam – 40%
 - homework – 10%
- In each exam, four to five questions will be adopted from the homework problems → do your homework regularly!

Honor code reminder

By signing below, I acknowledge that I have read and understood the “ITÜ Akademik Onur Sözü” available at

<http://www.sis.itu.edu.tr/tr/yonetmelik/AkademikOnurSozuEsaslar.html>

In particular, I hereby declare that:

- I will **check my university e-mail** regularly
- I will not give or receive any assistance during examinations
- The work I submit will be my own work
- I will sign an attendance sheet only once with my own signature

Course materials

Main text

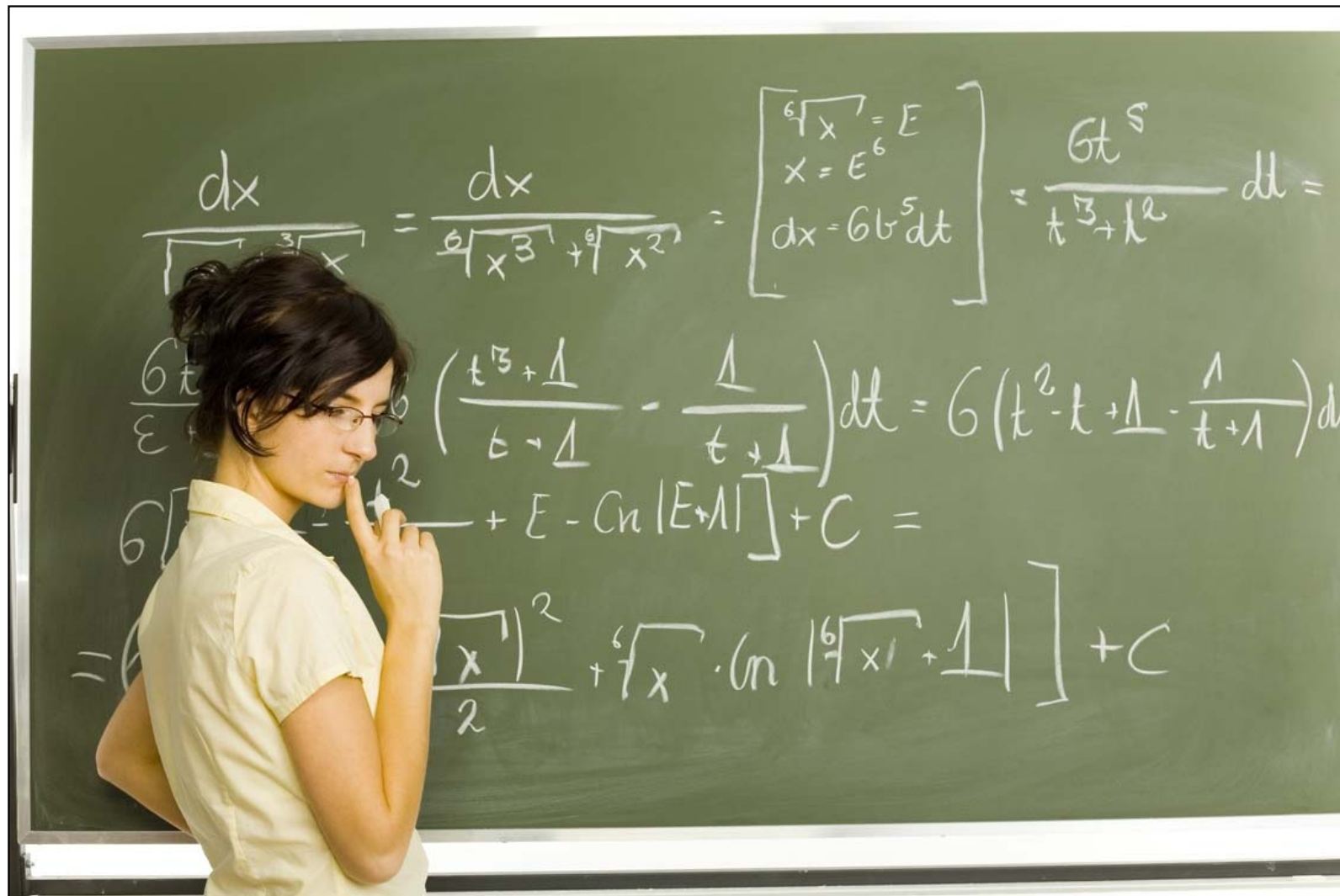
- Young & Freedman: “University Physics – Vol. 1” (12th Edition)

OpenCourseWare (OCW)

- MIT: Physics I – Classical Mechanics (ocw.mit.edu)
- Yale: Fundamentals of Physics I (oyc.yale.edu/physics)
- TÜBA - Açık Ders: Fizik I - Klasik Mekanik (www.acikders.org.tr)
- METU (ODTÜ): Physics for students of science I
(ocw.metu.edu.tr)

Lecture presentations and additional course materials will appear in Ninova: <http://www.ninova.itu.edu.tr/tr/>

What will we cover today?



Standards and units



Unit consistency and conversions



Vectors

