



MARMARA UNIVERSITY
Environmental Engineering Department

2015-2016 Fall Semester

ENVE 203 ENVIRONMENTAL ENGINEERING ECOLOGY

Instructor: Asst. Prof. Elif Soyer Email: elif.soyer@marmara.edu.tr, esoyer@gmail.com
Office #: MB649, Office hours: Monday 09:30-11:30, Thursday 13:30-15:30

Course Objectives: To provide students with knowledge of environmental engineering ecology, to introduce them the concepts of environmental sustainability, ecosystems and energy

Course Format: Three 50-minute lectures per week
Credit (Theoretical-Tutorial-Lab): 3 (3-0-0); ECTS: 4
Wednesday 08:30-11:30

Textbook:

Environment, 8th Edition. Peter H. Raven, David M. Hassenzahl, Linda R. Berg, Wiley. 2012

- Reading assignments will be made from the references which will be given by the lecturer as electronic and/or hard copies.

Topical Outline:

- 1) Introducing Environmental Science and Sustainability
- 2) Ecosystems and Energy
- 3) Ecosystems and the Physical Environment
- 4) Ecosystems and Living Organisms
- 5) Major Ecosystems of the World
- 6) The Human Population
- 7) The Urban Environment
- 8) Energy Consumption
- 9) Fossil Fuels
- 10) Renewable Energy
- 11) The Atmosphere & Atmospheric Chemistry
- 12) Air Pollution
- 13) Global Climate Change

Grading Policy:

Midterm exam(s): 40%
Homework and quizzes: 20%
Final exam: 40%