

Subject overview

This subject presents an overview of the application of scientific principles to environmental and sustainable development issues related to pollution, biodiversity, energy use, recycling, and population dynamics. Selected topics include sustaining territorial ecosystems, mineral and soil resources, and food resources.

Learning Outcomes

By the completion of this subject students will be able to:

- Appraise the reality of our ecology from an integrated approach, identifying the connection between social, economical and political standpoints.
- Critically assess environmental problems and determine how to solve them with a science based approach
- Critically analyze and identify actions that can be taken at the local, regional and international level which will contribute to solving environmental problems.

Assessment overview

- Field Observations / Mid-term Evaluation 30% of total assessment
- Paper / Oral Presentation 30% of total assessment
- Final Evaluation 30% of total assessment
- Participation 10% of total assessment

Subject modules

- Human and Sustainability: an Overview
- Scientific Principles and Concepts
- Human Population Resources and Sustainability
- Sustaining Biodiversity
- Energy Resources

Required readings

- Students will read a variety of materials assigned by Academic Teaching Staff.

Questions?

If you have any questions about any of the course summaries, please contact us.