



Australia's  
Global  
University



# **IEST7100**

## **Environmental Management: Economics Fundamentals**

Term One // 2019

## Course Overview

### Staff Contact Details

#### Convenors

| Name        | Email                | Availability           | Location | Phone      |
|-------------|----------------------|------------------------|----------|------------|
| Paul Twomey | p.twomey@unsw.edu.au | In class after seminar |          | 0437603183 |

### School Contact Information

School of Humanities and Languages

Location: School Office, Morven Brown Building, Level 2, 258

Opening Hours: Monday - Friday, 9am - 5pm

Phone: +61 2 9385 1681

Fax: +61 2 9385 8705

Email: [hal@unsw.edu.au](mailto:hal@unsw.edu.au)

## **Course Details**

### **Credit Points 6**

### **Summary of the Course**

This course is designed for students undertaking the Master of Environmental Management. It is one of several fundamental/disciplinary knowledge courses in the MEM. It is designed for students without a background in Economics. The course provides a basic understanding of economic principles and of the roles of economics in environmental management. In the course you will also explore the economics of ecologically sustainable development. Microeconomics topics include: markets, supply and demand, pollution, environmental assessment, benefit cost analysis, renewable resources and price incentives for environmental improvements. Macroeconomic topics include: sustainable development and inflation, employment versus the environment, and economic growth, development and the environment. In the course you will explore and critically examine both market and non-market approaches in the attempt to analyse solutions to major environmental problems.

### **Course Learning Outcomes**

1. Describe the complex interactions between the economy and the environment, using appropriate terminology used in economics and environmental policy
2. Discuss the values and beliefs that underlie neoclassical and environmental economists' approach to addressing environmental issues
3. Describe current innovative economic tools and techniques available to address environmental issues, and identify who is using them (in academic and practical settings)
4. Describe the economic aspects of global environmental policy, their relevance in concepts such as sustainable development, and in instruments under international environmental laws
5. Identify the strengths and limitations of traditional and alternative economic paradigms for addressing environmental issues

### **Teaching Strategies**

This course is taught using a combination of lectures, seminars and required readings. Your learning in this course will be facilitated by the following activities: Lectures that introduce economic theory and methods; Interactive seminars that require student presentations and participation; Specific readings for each unit to prepare for classes; Examination of real case studies; On-line discussion.

## Assessment

During the first 4 weeks of the course, feedback during interactive seminars will allow you to gauge your progress in the course.

### Assessment Tasks

| Assessment task                   | Weight | Due Date                                   | Student Learning Outcomes Assessed |
|-----------------------------------|--------|--|------------------------------------|
| Final Exam                        | 35%    | 6pm May 9 (see moodle for further details) | 1,2,3,4,5                          |
| Individual Essay                  | 30%    | Week 5 (see moodle for further details)    | 2,3,4                              |
| Group assignment and Presentation | 35%    | Week 10 (see moodle for further details)   | 1,3,4                              |

### Assessment Details

#### Assessment 1: Final Exam

**Start date:** Not Applicable

**Details:** A final 2-hour exam, closed book, in the exam period, on all aspects of the lecture material. Mixture of short and long answer questions. Distance students can come in or will be asked to nominate an independent invigilator (e.g. a supervisor at work) to supervise a distance exam approximately at the same time on the exam day.

#### Assessment 2: Individual Essay

**Start date:** Not Applicable

**Details:** An individual mid-semester essay focusing on application of some of the economic principles and theories to a real world example or case study. 2000 words maximum. Written feedback provided.

**Turnitin setting:** This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

#### Assessment 3: Group assignment and Presentation

**Start date:** Not Applicable

**Details:** Campus Students: Group research report and presentation - In groups of preferably 3 people, write a report on a selfselected topic and give a group presentation. Distance Students: Research report and online discussion. An individual report on a self-selected topic and then sharing and discussing reports online with other distance students and writing a final short summary document. 3000 words. 30 min presentation.

**Turnitin setting:** This assignment is submitted through Turnitin and students do not see Turnitin

similarity reports.

## Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

## Course Schedule

[View class timetable](#)

### Timetable

| Date                              | Type            | Content  |
|-----------------------------------|-----------------|--|
| Week 1: 18 February - 24 February | Blended         | Introduction to environmental economics                    |
| Week 2: 25 February - 3 March     | Blended         | Neoclassical and environmental economics                   |
| Week 3: 4 March - 10 March        | Blended         | Ecological economics                                       |
| Week 4: 11 March - 17 March       | Blended         | Marxist and institutionalist economics                     |
| Week 5: 18 March - 24 March       | Blended         | Pollution policy instruments                               |
| Week 6: 25 March - 31 March       | Blended         | Economics of natural resource management                   |
| Week 7: 1 April - 7 April         | Blended         | Valuation and cost-benefit analysis                        |
| Week 8: 8 April - 14 April        | Blended         | Measuring progress and group case studies                  |
| Week 9: 15 April - 21 April       | Blended         | Payments for environmental services and group case studies |
| Week 10: 22 April - 28 April      | Online Activity | No seminar due to Anzac Day holiday                        |
| Week 11: 29 April - 1 May         | Blended         | International trade and group case studies                 |

## **Resources**

### **Prescribed Resources**

Information about resources will be via the course Moodle site.

### **Recommended Resources**

Information about resources will be via the course Moodle site.

### **Course Evaluation and Development**

MyExperience will be used at the end of session to evaluate the course.

## **Submission of Assessment Tasks**

## **Submission of Assessment Tasks**

### **Turnitin Submission**

If you encounter a problem when attempting to submit your assignment through Turnitin, please telephone External Support on 9385 3331 or email them on [externalteltsupport@unsw.edu.au](mailto:externalteltsupport@unsw.edu.au) . Support hours are 8:00am – 10:00pm on weekdays and 9:00am – 5:00pm on weekends (365 days a year). If you are unable to submit your assignment due to a fault with Turnitin you may apply for an extension, but you must retain your ticket number from External Support (along with any other relevant documents) to include as evidence to support your extension application. If you email External Support you will automatically receive a ticket number, but if you telephone you will need to specifically ask for one. Turnitin also provides updates on their system status on Twitter.

Generally, assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, it will be stated on your course's Moodle site with alternative submission details.

For information on how to submit assignments online via Moodle: <https://student.unsw.edu.au/how-submit-assignment-moodle>



## Academic Honesty and Plagiarism

Plagiarism is using the words or ideas of others and presenting them as your own. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement.

UNSW groups plagiarism into the following categories:

**Copying:** using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This also applies to images, art and design projects, as well as presentations where someone presents another's ideas or words without credit.

**Inappropriate paraphrasing:** Changing a few words and phrases while mostly retaining the original structure and/or progression of ideas of the original, and information without acknowledgement. This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.

**Collusion:** working with others but passing off the work as a person's individual work. Collusion also includes providing your work to another student before the due date, or for the purpose of them plagiarising at any time, paying another person to perform an academic task, stealing or acquiring another person's academic work and copying it, offering to complete another person's work or seeking payment for completing academic work.

**Inappropriate citation:** Citing sources which have not been read, without acknowledging the "secondary" source from which knowledge of them has been obtained.

**Duplication ("self-plagiarism"):** submitting your own work, in whole or in part, where it has previously been prepared or submitted for another assessment or course at UNSW or another university.

Correct referencing practices:

- Paraphrasing, summarising, essay writing and time management
- Appropriate use of and attribution for a range of materials including text, images, formulae and concepts.

Individual assistance is available on request from The Learning Centre (<http://www.lc.unsw.edu.au/>). Students are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and proper referencing of sources in preparing all assessment items.

UNSW Library also has the ELISE tool available to assist you with your study at UNSW. ELISE is designed to introduce new students to studying at UNSW but it can also be a great refresher during your study.

Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose
- better manage your time

- understand your rights and responsibilities as a student at UNSW
- be aware of plagiarism, copyright, UNSW Student Code of Conduct and Acceptable Use of UNSW ICT Resources Policy
- be aware of the standards of behaviour expected of everyone in the UNSW community
- locate services and information about UNSW and UNSW Library

Some of these areas will be familiar to you, others will be new. Gaining a solid understanding of all the related aspects of ELISE will help you make the most of your studies at UNSW.

<http://subjectguides.library.unsw.edu.au/elise/aboutelise>

## **Academic Information**

For essential student information relating to:

- requests for extension;
- late submissions guidelines;
- review of marks;
- UNSW Health and Safety policies;
- examination procedures;
- special consideration in the event of illness or misadventure;
- student equity and disability;
- and other essential academic information, see

<https://www.arts.unsw.edu.au/current-students/academic-information/protocols-guidelines/>

## **Image Credit**

The economics of energy sources. Public domain images.

## **CRICOS**

CRICOS Provider Code: 00098G