

# ECO314H1 F

## Energy and the Environment

### Fall 2024 Syllabus

#### Course Meetings

##### ECO314H1 F

Section	Day & Time	Delivery Mode & Location
LEC0101	Monday, 9:00 AM - 12:00 PM	In Person: KP 108

Refer to ACORN for the most up-to-date information about the location of the course meetings.

#### Course Contacts

**Instructor:** Professor Adonis Yatchew

**Email:** [Adonis.yatchew@utoronto.ca](mailto:Adonis.yatchew@utoronto.ca)

**Phone:** 4168754548

**Office Hours and Location:** In person and online. Hours to be announced.

#### Course Overview

This course surveys important features of energy markets and related environmental challenges. One of the central objectives is to provide an understanding of the key economic tools needed to analyse these markets. A related objective is the development of a framework for understanding the public discourse on energy and the environment. Topics include: the hydrocarbon economy (oil, natural gas and coal), electricity markets, global warming and other externalities, renewable energy, conservation, carbon taxes and 'cap-and-trade'.

The war on Ukraine has underscored the role of energy in geopolitics. Prior to this, the Covid-19 pandemic had significant impacts on energy markets. Throughout, climate change continues to be a most pressing issue with evidence of little progress. This course surveys important features of energy markets and related environmental challenges in a rapidly changing world. One of the central objectives is to provide an understanding of the key economic tools needed to analyse these markets and to develop an appreciation for the political and geopolitical centrality of energy issues. A related objective is the development of a framework for understanding the public discourse on energy and the environment. Topics include the hydrocarbon economy (oil, natural gas, and coal), electricity markets, global warming and other externalities, renewable energy and conservation, carbon pricing, sustainability and the geopolitics of energy.

#### Course Learning Outcomes

1. Broad overview of major areas of energy economics and related environmental issues.
2. Brief review of important economic tools used to analyse energy markets.

3. Understanding public discourse on energy and environmental debates, (e.g., decarbonization, fracking, renewable energy, markets v. regulation, geopolitics ...).
4. Facility with data resources on energy and related environmental issues.

**Prerequisites:** ECO200Y1/ECO204Y1/ECO206Y1; ECO220Y1/ ECO227Y1/ (STA237H1, STA238H1)/ (STA247H1, STA248H1)/ (STA257H1, STA261H1)

**Corequisites:** None

**Exclusions:** None

**Recommended Preparation:** None

**Credit Value:** 0.5

## Marking Scheme

Assessment	Percent	Details	Due Date
Assignment	15%		2024-10-16
Midterm	30%		2024-10-21
Paper Outline	5%		2024-10-28
Paper	20%		2024-11-24
In-Person Final Exam	30%		Final Exam Period

## Late Assessment Submissions Policy

Late penalties on assignments and papers will be 10% per day (e.g., if the submission is worth 100 marks, the daily penalty will be 10 marks).

## Policies & Statements

### Plagiarism Detection Tool

Normally, students will be required to submit their course essays to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (<https://uoft.me/pdt-faq>).