

Environmental and Energy Economics in Seville, Spain

Summer I, 2023

Instructor: Misak Avetisyan



Environmental Economics (ECO 3336)

- Introduction to social choice mechanisms used to find the right balance between environmental protection and use.
- Study the economic efficiency in markets, and why the markets fail when there are public goods, public bads, and externalities.
- Learn about various economic instruments that governments use to induce firms and consumers to use the environment in a socially desirable or efficient way:
 - Emission fees/taxes; Tradable emission permits; Liability; Prescriptive regulation.
- Discuss how the assignment of property rights affects the outcome of environmental policies.
- Analysis of environmental policies in the European countries, including Spain, which are aimed at reducing GHG emissions and mitigation of climate change.

Energy Economics (ECO 3356)

- Introduction to the main aspects and regulation of international energy markets.
- Using economic models analyze the economic efficiency in energy markets, and why the markets fail when there are public goods, public bads, and externalities.
- Learn fundamental economic concepts, technical and institutional background related to energy industries.
- Analysis of energy policies in the European countries, including Spain, which are aimed at increasing the use of renewable energy sources, such as biofuels, geothermal, solar, wind and hydro power contributing to clean energy production and climate change mitigation.

Course Information

- For ECO 3336, we will use *Environmental Economics* (2nd edition) by Charles Kolstad, Oxford University Press, 2010.
- For ECO 3356, we will use *International Energy Markets: Understanding Pricing, Policies, and Profits* (2nd edition) by Carol Dahl, PennWell, 2015.
- **Please purchase the textbooks before leaving for Spain!**
- Classes meet **2 hours** every day from Monday to Friday in the TTU Center in Seville during Summer I, 2023 (May 29 – June 26).



Course Information: EU Commission JRC

- We also plan to have one or two guest lectures delivered by researchers from the European Commission - Joint Research Centre in Seville, who analyze impacts of various environmental and energy policies on the European economy.



Course Information

- We will also have a trip to [Gemasolar Thermosolar Plant](#) in Seville, which is a [unique solar power plant](#) that can provide an uninterrupted supply of electric energy with zero emissions.



Program cost (from Summer I, 2020)

Billed to Student Business Services - Semester Prior to Program Abroad	
Non-Refundable Application Fee	\$0
Deposit	\$750.00
Texas Tech Education Abroad Fee	\$200.00
Billed to Student Business Services - During Program Abroad	
Remaining Program Fee*	\$2,085.00
Texas Tech Tuition **	\$2,153.00
Health Insurance (included in program fee)	\$0.00
TTU Expenses Subtotal (Billable)	\$5,188.00

*Includes housing, academic and student services support, access to excursions, cultural activities, CGE fee, company visits, orientation, student promotional items, airport pickup.

**Estimated *in-state* tuition and fees. Students not eligible for in-state tuition are billed out-of-state tuition.

- [Funding Your Study Abroad Experience](#)

Finalizing Program and Scholarship Application

- Finalize your program application and submit the required passport/other information to the Study Abroad Office by **March 1**.
- Apply for the [Study Abroad Competitive Scholarship](#) (SACS) by **February 14**. The scholarship is competitive with approximately 50% of students who complete the application being awarded. TTU domestic and international degree-seeking students who will study abroad on Texas Tech approved programs, or international students seeking a degree at Texas Tech are eligible to apply.

Traveling to/from Spain

- When your TTU Study Abroad application is approved, there are a few [important steps to complete](#).
- Attend one of the Pre-Departure Orientation Sessions in spring.
Attendance is mandatory!
- Purchase your plane tickets. You can fly either to Madrid or Seville. If you decide to fly to Madrid, then you will need to take a train from there to Seville.
- More travel information will be provided at the Pre-Departure Orientation Sessions.

Living in Spain

- Students live in Seville for one month during Summer I, 2023 and earn 3 or 6 hours of Economics credit.
- Students live with host families and are provided with 3 meals per day and weekly laundry.
- For domestic transportation most students use the Seville bus system (TUSSAM)



Program Trips

- The program also includes excursions and weekend trips to various historic sites in Seville and to other cities in Spain.

