Course Title
Energy and Climate Change Economics

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Language
English

Overview (min 5 lines)
Climate change is mainly linked to an energy model historically based on fossil fuels (coal, oil and natural gas) since the first industrial revolution. Limiting the main effects of climate change (extreme weather events, air pollution, sea level growth, …) and their economic costs imply to deploy low carbon energy means (wind power, solar power, …), to improve energy efficient and, mode widely, to transform the organisation of our societies. The course addresses the main economic challenges related these transformations.

Prerequisites
None

Course Objectives
Understand the economic issues related to energy and climate change and the main principles of the economics tools and regulations for the management.

Learning Outcomes
Climate change issues have received increasing attention over the last years, with a huge impact on the energy systems.

In this context, the course examines:

- Economic theory, empirical perspectives, and political economy of energy supply and demand, both for fossil fuel and renewable sources of energy.
• Public policies affecting energy markets including taxation, price regulation and deregulation, energy efficiency, and control of emissions.

• A specific attention will be given to economic policies such as carbon taxes and tradable emission permits and to the problems of displacing fossil fuels with new energy technologies.

Mode of Assessment
Group presentations (50%) + final exam (50%)

Course Schedule (12 weeks)

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Bibliography
Reading list and documents will be given in class and proposed online, on My Course, as well as course presentations. No specific textbook is required.

MyCourse
This course is on MyCourse : Yes
Grading
The numerical grade distribution will dictate the final grade.

Class participation: Active class participation – this is what makes classes lively and instructive. Come on time and prepared. Class participation is based on quality of comments, not quantity.

Exam policy: In the exam, students will not be allowed to bring any document (except if allowed by the lecturer). Unexcused absences from exams or failure to submit cases will result in zero grades in the calculation of numerical averages. Exams are collected at the end of examination periods.

Academic integrity
Be aware of the rules in Université Paris Dauphine about plagiarism and cheating during exams. All work turned in for this course must be your own work, or that of your own group. Working as part of a group implies that you are an active participant and fully contributed to the output produced by that group.