Environment and sustainability

ECTS : 3

Enseignant responsable : Anna CRETI (https://dauphine.psl.eu/recherche/cvtheque/creti-anna)

Langue du cours : Français

Volume horaire : 21

Description du contenu de l'enseignement :

Global warming and the related environmental and social issues raise serious concerns for the welfare of our current and future generations. Such changes require to develop new approaches and solutions to address these key issues so that they can become and remain sustainable. The course Environment and Sustainability will introduce students to key theories and models related to the environment, sustainability, societal issues, and the United Nations' Sustainable Development Goals.

1. Introduction: challenges for sustainability toward the net-zero economy

2. Sustainability: definition and examples

3.Sustainability: theoretical challenges

4.Climate Change: definition and examples

5.Climate Change: theoretical challenges

6.Climate Change policies

7.The energy transition

Compétences à acquérir :

Students will be able to critically evaluate the complex drivers and consequences of global environmental problems for different societal groups, applying academic concepts and theories. They will develop in-depth knowledge in specialist areas of environment and sustainability and gain critical thinking skills. Finally, attendees will be able to assess the effectiveness, equity and trade-offs of different sustainability goals and policies.

Pré-requis recommandés

Advanced Micro and Macro Economics

Mode de contrôle des connaissances :

Final Exam (written dissertation)

Coefficient : 2.00

Bibliographie, lectures recommandées :

Dasgupta, Sir Partha. "The Economics of Biodiversity The Dasgupta Review Abridged Version." (2021).

Richard S. J. Tol, Climate Economics: Economic Analysis of Climate, Climate Change and Climate Policy Edward Elgar Publishing, 2019 - 234 pages

Selected Videos from https://rtol.github.io/ClimateEconomics/video/