

Policies & Business Strategies for a Green Economy

Course title – Intitulé du cours	Policies & Business Strategies for a Green Economy
Level / Semester – Niveau / semestre	M2 / S1
School – Composante	Ecole d'Economie de Toulouse
Teacher – Enseignant responsable	BONTEMS Philippe
Other teacher(s) – Autre(s) enseignant(s)	
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Other teacher(s) – Autre(s) enseignant(s)	
Lecture Hours – Volume Horaire CM	30
TA Hours – Volume horaire TD	
TP Hours – Volume horaire TP	
Course Language – Langue du cours	Anglais
TA and/or TP Language – Langue des TD et/ou TP	Anglais

Teaching staff contacts – Coordonnées de l'équipe pédagogique :

philippe.bontems@tse-fr.eu
t371 sur rendez-vous

Course's Objectives – Objectifs du cours :

This course provides economic methods and tools to address environmental issues in economics at the graduate level. It analyzes policy instruments to mitigate pollution from economic activities, to preserve biodiversity and natural resources in different contexts. It also deals with green business strategies. The course combines economic analysis with investigations on various issues such as water and air pollution, waste management and climate change. The economic background will be presented in class. It is motivated and illustrated by real-world applications. The final goal is to posit policy recommendations for addressing environmental problems. The lectures will be complemented by problems to be solved by students. A problem set will be provided each lecture. It is strongly recommended to work on the problem set before the next lecture.

Prerequisites – Pré requis :

Good knowledge of intermediate microeconomics and basic mathematics for economists.

Practical information about the sessions – Modalités pratiques de gestion du cours :

Ordinateurs acceptés, participation requise.

Grading system – Modalités d'évaluation :

Mid-term exam (30%), final exam (60%) and participation in class (10%). The exams include knowledge and understanding questions and problems.

Bibliography/references – Bibliographie/références :

- Baumol W.J. and W.E. Oates: *The theory of environmental policy*, Cambridge University Press 1988
- Kolstad C.D.: *Environmental Economics*, Oxford University Press 2000 Sterner
- T. and J. Coria: *Policy Instruments for Environmental and Natural Resource Management*, RFF Press 2012
- Phaneuf D. and T. Requate: *A Course in Environmental Economics*, Cambridge University Press 2016
- Antweiler W, *Elements of Environmental Management*, University of Toronto Press 2014
- Anderson T. and G. Libecap, *Environmental Markets*, Cambridge University Press 2014

Session planning – Planification des séances :

COURSE OUTLINE:

The course will cover the following topics:

Fundamentals of Environmental Regulation

Choice of instruments: emission standards, tax or permits

Diffuse and stock pollution (space and time)

Pollution regulation and market power

General equilibrium and environmental taxes

Innovation and productivity

Environmental risk

Common-pool resources International environmental problems

Distance learning – Enseignement à distance :

Due to the covid crisis, I will propose this year to only spend half of the hours in regular teaching in a classroom. That is I will provide a screencast of say 1h30 with the slides corresponding to each lecture. Students will have to read the slides and prepare the problems set. Then I will meet the students for 1h30 per week in order to solve exercises, talk about concepts and so on... If there is another lockdown, these live sessions will take place on interactive virtual classrooms.