Advanced Environmental Economics

Course title - Intitulé du cours	Advanced Environmental Economics : Empirics
Level / Semester - Niveau /semestre	ETE/MRES/ERNA
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	REYNAERT Mathias
Lecture Hours - Volume Horaire CM	15 hours
TA Hours - Volume horaire TD	0
TP Hours - Volume horaire TP	0
Course Language - Langue du cours	Anglais
TA and/or TP Language - Langue des TD et/ou TP	

Teaching staff contacts - Coordonnées de l'équipe pédagogique :

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Course's Objectives - Objectifs du cours :

This course presents the current frontier in environmental economics with a focus on econemetric mehtods. The course presents the data, questions, and methods in recent important publications and aims to foster student's ability to conduct research on these topics. The course covers the quantification and economics of climate change, the quantification and economics of pollution, the market equilibrium effects of policy. the enforcement and design of policy, and the environmental implications of land use through quantitative spatial equilibrium.

Prerequisites - Pré requis :

Good knowledge of intermediate microeconomics, standard econometric methods, and basic mathematics for economists.

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

Students will be expected to read the papers discussed in class in advance and to actively participate in the discussions.

Grading system - Modalités d'évaluation :

The grade for this course will have three components:

• Two referee reports (30%): Each week one paper will be proposed for a referee report (due weeks 2 and 4, or 3 and 5). Students are expected to critically evaluate the paper refereed, and write a 2-page long report. In the off-weeks, a précis (short subjective summary) of the paper is asked instead, not evaluated but still required.

• Replication/extension of one of the papers discussed in class (30%).

•Exam (40%): There is a closed book written exam at the end of the course.

Bibliography/references - Bibliographie/références :

Lecture notes and papers will be posted on Moodle.

Session planning - Planification des séances :

Econometrics of climate change

Econometrics of pollution

Environmental policy and market equilibrium

Enforcement

Land use and spatial models

Distance learning – Enseignement à distance :

Interactive virtual classrooms when face-to-face is not allowed