

## Topics in Modern Economics CM

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| Course title - Intitulé du cours               | Topics in Modern Economics CM |
| Level / Semester - Niveau /semestre            | L3 / S2                       |
| School - Composante                            | Ecole d'Economie de Toulouse  |
| Teacher - Enseignant responsable               | DURRMAYER ISIS                |
| Other teacher(s) - Autre(s) enseignant(s)      |                               |
| Other teacher(s) - Autre(s) enseignant(s)      |                               |
| Other teacher(s) - Autre(s) enseignant(s)      |                               |
| Other teacher(s) - Autre(s) enseignant(s)      |                               |
| Other teacher(s) - Autre(s) enseignant(s)      |                               |
| Lecture Hours - Volume Horaire CM              | 30                            |
| TA Hours - Volume horaire TD                   | 15                            |
| 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 :**

Isis Durrmeyer

isis.durrmeyer@tse-fr.eu

office: T686

Office hours: on Friday afternoons by appointment

TD: Giulia Tani

giulia.tani@tse-fr.eu

### **Course's Objectives - Objectifs du cours :**

This course shows how models in microeconomics, game theory, and industrial organization can be used to analyze real world economic problems and guide public policy.

We will develop and solve economic models to answer economic questions.

We will emphasize the novelties and the limits of the models in order to give a critical assessment of the results.

We will also see how data can be used to go further and examine concrete examples.

### **Prerequisites - Pré requis :**

Although the course will not use difficult mathematics, some familiarity with game theory will be helpful. Course will use knowledge of microeconomics and basics of econometrics.

**Grading system - Modalités d'évaluation :**

One mid-term exam and one exam at the end of the semester

**Session planning - Planification des séances :**

1. Introduction – reminder on public goods and externalities

2. Environmental regulation

*Applications: the European carbon market, environmental regulation on the automobile market*

3. Contract theory

*Applications: Farmer contracts, pricing of quality*

4. Transportation economics

*Applications: transport and congestion in Paris*

5. Competition policy

*Applications: merger analysis (Air Transat-Air Canada)*

6. Economics of platforms

*Applications: youtube freemium pricing*

**Distance learning – Enseignement à distance :**

Distance learning will be provided only if necessary, by implementing:

- Interactive virtual classrooms
- Recorded lectures (videos) followed by interactive virtual classrooms
- Online tutorials
- Frequent chatrooms