

## Empirical Industrial Organizations

Course title - Intitulé du cours	Empirical Industrial Organizations CM
Level / Semester - Niveau /semestre	M1 / S2
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	Reynaert Mathias and Rubens Michael
Other teacher(s) - Autre(s) enseignant(s)	
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Other teacher(s) - Autre(s) enseignant(s)	
Lecture Hours - Volume Horaire CM	15
TA Hours - Volume horaire TD	12
TP Hours - Volume horaire TP	0
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 :**

15 hours of the lectures will be taught by:

Mathias Reynaert [mathias.reynaert@tse-fr.eu](mailto:mathias.reynaert@tse-fr.eu) Office T690

Office hours: Tuesday 2 pm – 3 pm, or by appointment

I encourage in class interaction.

12 hours of the lectures will be taught by:

Michael Rubens (visiting professor at TSE, assistant professor at UCLA),  
[michael.rubens@outlook.com](mailto:michael.rubens@outlook.com), Office TBD

Office hours: by appointment

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

This course gives an introduction to methodology used to study industrial organization. We will study tools to measure market conduct, to estimate consumer demand and to study firm productivity. We will link empirical methods with economic theory and each of the methods will be illustrated with applications. The course aims to provide students with a critical understanding of empirical methods used to study market structure and economic behavior of consumers and producers. The course also aims to give students hands on experience with applications used to evaluate regulation and market performance. This empirical experience is useful for students aiming a career in research, economic consulting or antitrust policy.

### **Prerequisites - Pré requis :**

M1 core courses, some experience with statistical software (such as Stata or R) is useful.

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

Course attendance is highly recommended.

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

Evaluation consists of 3 take home problem sets (40%) and a final written exam (60%) Every student has to hand in all problem sets in order to participate in written exam. Homework that is handed in late results in zero mark.

**Bibliography/references - Bibliographie/références :**

Slides and additional course material will be handed out before each class.

**Session planning - Planification des séances :**

1. Production Functions
2. Measuring Market Power
3. Estimating Cost and Demand with (Un)Known Conduct
4. Market Power with Differentiated Goods
5. Merger Simulation

**Distance learning – Enseignement à distance :**

To be determined.