

Economic Analysis of Infrastructure and Network Industries

Course title - Intitulé du cours	Economic Analysis of Infrastructure and Network Industries
Level / Semester - Niveau /semestre	M2 / S2
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	Farid GASMI
Other teacher(s) - Autre(s) enseignant(s)	
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Other teacher(s) - Autre(s) enseignant(s)	
Lecture Hours - Volume Horaire CM	30h
TA Hours - Volume horaire TD	
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 :

Farid GASMI : T360, farid.gasmi@tse-fr.eu

Course's Objectives - Objectifs du cours :

The objective of this class is to stimulate, through presentations of papers, discussions on some industrial organization and regulatory economics theoretical and applied topics that are particularly useful for the understanding of how infrastructure and network industries have been evolving during the last three decades or so in both developed and developing countries. Topics include such classic issues as:

- Natural monopoly and regulation (Cost structure, Traditional regulation, Incentive regulation, etc.)
- Network interconnection (Access, interconnection, and competition, different methods of access pricing, etc.)
- Universal service (Cost, financing, etc.)
- Network effects (Growth of markets, etc.)
- Competition policy (Market power, collusion, competition policy vs. regulation, etc.)
- Political economy of reforms (Capture, revolving door, career concerns in regulation and competition policy, efficiency of institutions, etc.)

but also some more contemporary ones such as

- Evaluation of reforms' impact
- E-commerce, E-payment
- Social networks
- Technological convergence and market structure
- ICT and environment
- Uberization, Big data, machine learning

Ideally, the analysis should rely on both economic theory and econometrics, which gives us the opportunity to discuss the theoretical frameworks within which some particular aspects of these issues are highlighted and the empirical approaches used to further explore them.

Prerequisites - Pré requis :

Interest in Applied Industrial Organization and Regulatory economics.

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

Students are expected to actively participate in class and present papers that address any of the issues listed above or some others in the context of some specific infrastructure/network industry (telecoms, postal service, energy, transport, water, banking, media, social networks, etc.). The choice of papers to be presented in class results from a discussion between students and the instructor in which the former make propositions through e-mail and the latter provides comments on them. The student of course makes the final choice.

Grading system - Modalités d'évaluation :

Innovative choice of paper, quality of presentation, and class participation, with weights 20%, 60%, and 20% respectively, will account for 80% of the final grade. A written exam will account for the remaining 20%.

Bibliography/references - Bibliographie/références :

Papers presented in class resulting from the interaction between the students and the instructor.

Distance learning - Enseignement à distance :

Distance learning can be provided when necessary by implementing, for example: / En cas de nécessité, un enseignement à distance sera assuré en mobilisant, par exemple :

- Interactive virtual classrooms / Classe en ligne interactive
- Recorded lectures (videos) / Vidéo enregistrée de la présentation du matériel pédagogique