

## Health Econometrics

Course title - Intitulé du cours	Health Econometrics
Level / Semester - Niveau /semestre	M2 / S2
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	GRAMAIN AGNES
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	
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 :

The health care sector suffers from a critical need for quantitative analysis. A lot of individual level data are now available but analyzing these data supposes to combine a good understanding of data production in the health sector (declaring health behaviors or conditions, regulation constraint embedded in administrative dataset...) and of economic behavior regarding health and health care.

The emphasis of the course is on the use of individual level data. We will analyse scientific articles dealing with the major problems encountered in applied health econometrics: endogeneity, distributions with a large mass point at 0, selection and unobserved individual heterogeneity, latent variables, endogeneous interactions ...Several types of models will be reviewed: two-part models, selection models, panel data models, game models...

Objectives of the course

- awareness of health data specificity and peculiarity
- deeper knowledge of some micro-econometric models and methods used as a solution for theoretical and empirical problems in Health economics
- capacity to produce a critical reading of applied papers in health economics and related areas

### Prerequisites - Pré requis :

No specific skill in health economics is needed to take advantage of this course. But students have to be familiar with econometric models, from a theoretical point of view, since we will focus attention on the connection between data characterization and the choice of an econometric model to apply.

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

Students will have to read some articles on their own. These articles will then be discussed during classes. The teaching mode will be adapted to the number of students.

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

The final exam consist in a written critical presentation of a published paper which has been discussed during the session.

**Distance learning – Enseignement à distance :**

- Interactive virtual classrooms / Classe en ligne interactive
- Remote (online) tutorials (classes) / TP/TD à distance