

- Faculté des sciences économiques
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## Economic Statistics (5ER2015)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en sciences économiques, orientation politique économique</b>	<b>Cours: 2 ph</b>	<b>écrit: 2 h</b>	<b>3</b>
<b>Master en statistique</b>	<b>Cours: 2 ph</b>	<b>écrit: 2 h</b>	<b>3</b>

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

### Période d'enseignement:

- Semestre Automne

### Equipe enseignante:

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### Objectifs:

This course deals with the general issue of the measurement of economic and social phenomena as well as its pitfalls. It consists of an analytical overview of principal concepts, indicators and techniques currently used to elaborate the rapidly growing body of economic, social and environmental statistics. The objective is to teach students the knowledge and skills required for a thorough understanding, correct interpretation and critical appreciation of indicators used to conduct sound economic analysis in various fields.

### Contenu:

The course is divided into two parts. We start by discussing the demand for economic and social statistics and its evolution through time. We then deal with the statistical production process including the producers themselves as well as quality-related considerations. After reviewing the basic concepts, definitions and classification methods, we go on to present the unifying framework provided by the national accounting system as well as the related body of monetary and financial statistics. In the second part, we study in greater detail a certain number of indicators used in economic policy analysis covering a wide range of micro and macro-economic topics in closed and open-economy settings.

### Forme de l'évaluation:

2-hour written exam during the exam session at the end of the semester (100%).  
Retake (August-September): 2-hour written exam (100%).

### Documentation:

There is no general-purpose reference for the course but the following fundamental texts deal with a large number of topics covered:

- Clayton, Gary E., Martin G. Giesbrecht and Feng Guo, A Guide to Everyday Economic Statistics, 7th edition, McGraw Hill, 2014.
- Coyle, Diane, GDP: A Brief but Affectionate Story, Princeton University Press, 2014.
- Giovannini, Enrico, Understanding Economic Statistics, Paris, OECD, 2008.
- Lequiller, François and Derek Blades, Understanding National Accounts, Paris, OECD, 2006.
- Stiglitz, Joseph, Amartya Sen and Jean-Paul Fitoussi, Report by the Commission on the Measurement of Economic Performance and Social Progress, [www.stiglitz-sen-fitoussi.fr](http://www.stiglitz-sen-fitoussi.fr), 2009.

We also rely on a selection of scientific journal articles, book extracts, working papers and technical reports. Whenever possible, readings will be made available on the e-platform Moodle prior to their discussion in class.

### Pré-requis:

None. N.B. Students who take this course as an elective are strongly advised to make sure they possess the required minimal knowledge in economics and quantitative methods. No distinction will be made between MScECON students and others in terms of evaluation criteria.

### Forme de l'enseignement:

2-hour lecture. The course makes extensive use of "active learning" methods, i.e. interactive teaching drawing largely on prior readings as well as active class participation by students.