

## NIVEAU MASTER

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# MENTION IES PARCOURS DI

GOUVERNANCE, FIRMES ET INNOVATION  
ECONOMICS OF SCIENCE (7H) / SEMESTER 1

### ENSEIGNANT :

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### OBJECTIFS DE L'ENSEIGNEMENT :

The course provides an overview of the main developments and challenges in economics of science. It explores the unique characteristics of the non-market mechanisms that generate incentives to produce scientific knowledge. Furthermore, it presents an overview of the most recent achievements in identifying the determinants of scientists' productivity. Finally, the course concludes with a description of the publication data used in quantitative studies. The final evaluation consists of a written exam. The course will be taught in English.

### PRÉ-REQUIS :

A course of statistics and a course of economics of innovation

## PLAN / SOMMAIRE :

Class 1 Main developments and challenges in economics of science (3h)

Class 2 Productivity determinants and publication data (3h)

Class 3 Final exam (1h)

## ELEMENTS BIBLIOGRAPHIQUES :

- Stephan, Paula E. 1996 The Economics of Science. *Journal of Economic Literature* 34(3): 1199–1235.
- Jaffe, Adam B. 2002 Building Programme Evaluation into the Design of Public Research-Support Programmes. *Oxford Review of Economic Policy* 18(1): 22–34.
- Slides provided by the teacher