

Master Public Economics and Public Finance

Detailed presentation of the lectures

Semestre #3

UE Fundamentals in public economics

- **24h Public Economics:** Offers an analytical overview of the role of public goods in the search for Pareto efficient allocations of resources. Special attention is given to institutions in an intergenerational context.
- **24h Multilevel Governments:** Academic literature in public finance has recently focused on horizontal fiscal externalities coming from strategic interactions between jurisdictions belonging to the same layer of government, as well as vertical fiscal externalities arising from interactions between overlapping governments. The purpose of this lecture is to provide an overview relating to both theoretical and empirical aspects of horizontal and vertical fiscal externalities.

UE Cost benefit analysis

- **24h Microeconomic approach of CBA:** Cost-Benefit Analysis is used to assess whether a public policy or a public project is globally beneficial or detrimental to society. The approach is typically implemented to public decisions in the fields of transportation infrastructures, environment and natural resources and even health and education. The purpose of this lecture is to provide the microfoundation of the approach.
- **24h Econometrics of CBA:** Practical lecture about how to estimate and total up the equivalent money value of the benefits and costs to the community of public projects to establish whether they are worthwhile.

UE Statistical methods

- **24h Panel data econometrics:** Provides an econometric approach to analyze both time and cross-sectional data sets. Special attention is given to the new econometrics techniques (Fixed effects, GMM estimation, etc.). An introduction to basic econometrics with the software R-CRAN will be provided.
- **24h Spatial econometrics:** This lecture extends the lecture about Panel Data. It provides a econometric approach to analyze correlation between neighbor municipalities. An introduction to basic econometrics with the software R-CRAN will be provided.
- **Optional lectures** (possibility for the students to attend lectures in the first year):
 - *Microéconométrie (bonus of 3 ECTS)*
 - *Analyse de données (bonus of 3 ECTS)*

UE Seminars I

- **Professors from other universities:** High-level lectures in applied public economics and public finance

Semestre #4

UE Public sector innovation and change

- **24h Economic analysis of reform:** This lecture attempts to provide a better understanding of institutional changes in the public sector.
- **24h Economics and statistics of public expenditures:** This lecture attempts to provide a better understanding of the size of the government. It provides a review of economics and statistics approach to analyze public expenditures.

U E : Analyse des politiques publiques (48h)

- Better understanding of the public sector. Several lectures with French researchers and professionals.

UE Practical courses in public economics (36 h)

- Better understanding of scientific articles in the field of public economics (key ideas, assumptions, modeling techniques, quantitative approaches, identification of main results).

UE Seminars II

- **Professors from other universities:** High-level lectures in applied public economics and public finance

UE Internship or master thesis (6 months)

Seminars by visiting professors

The seminars are given by invited professors in English. The previous years, we had the pleasure to welcome the following professors:

- **Geoffrey Brennan**, Australian National University, Canberra, Australia
- **Alberto Cassone**, Eastern Piedmont University, Alessandria, Italy
- **Bernard Dafflon**, University of Fribourg, Fribourg, Switzerland
- **Randall Holcombe**, Florida State University, Tallahassee, USA
- **Roselyne Joyeux**, Macquarie University, Sydney, Australia
- **Hannu Laurila**, University of Tampere, Tampere, Finland
- **Carla Marchese**, Eastern Piedmont University, Alessandria, Italy
- **Fabio Mendez**, University of Arkansas, Fayetteville, USA
- **Antti Moisio**, Government Institute for Economic Research (VATT), Helsinki, Finland