- Faculté des sciences économiques
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Macroeconomic Policy (5AF2017)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en économie appliquée	**Cours: 4 ph**	**Voir ci-dessous**	6

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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Contenu

This course gives an introduction on three major topics in applied macroeconomics: data analysis, forecasting, and structural identification. Students get to know and interpret the most important indicators used to track macroeconomic outcomes in practice. They will also use forecasting methods to predict the future evolution of the macroeconomy. Finally, they will use various techniques to identify the causal impact of a policy change on the macroeconomy. A substantial part of the course is devoted to implementing the techniques with actual data (bring your own laptop if you want). The applications will be conducted in the free statistical software R and the graphical interface RStudio.

Forme de l'évaluation

Mixed assessment: Empirical application and written term paper (40%); 2-hour written exam during the exam session (60%).
Retake: 2-hour written exam during the exam session (100% of the final grade).
No documents or connected devices are allowed during the exam, except the formula sheet available on moodle, a non-programmable calculator and a non-electronic dictionary. In case of violation of these rules, students are in situation of fraud and the unauthorized items will be removed. The exam could be deemed as failed.

Documentation

Slides, tutorial videos, and commented R codes. Textbooks and research articles as background readings. References available on the slides on moodle.

Pré-requis

Basic training in macroeconomics (IS-LM, open economy macroeconomics) and statistics (mean, variance, correlation, linear regression), is a prerequisite. Knowledge in programming is an advantage.

Forme de l'enseignement

Weekly 4-hour in-class lecture with exercises and interactive applications in the computer lab. Due to size restrictions of the computer lab, the lectures take place in two groups (morning and afternoon session). The group not working in the computer lab works with video tutorials. Exception: in the first week, all students come in for the entire 4 hours for the introductory session (see rooms on pidho).

Objectifs d'apprentissage

Au terme de la formation l'étudiant-e doit être capable de :

- Evaluate forecasting methods
- Apply econometric techniques for data analysis, forecasting, and policy evaluation
- Interpret Macroeconomic data
- Prepare report on applied macroeconomic project

Compétences transférables

- Organise work on written report
- Communicate an econometric result to a non-expert public