

- Faculté des sciences économiques
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### Macroeconomic Policy (5AF2017)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en économie appliquée</b>	<b>Cours: 4 ph</b>	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. We will first get to know and interpret the most important indicators tracking macroeconomic outcomes. Then, we use forecasting methods to predict the future evolution of the macroeconomy, as well as, to display the uncertainty associated with such forecasts. Finally, we will use various techniques to identify the causal impact of a macroeconomic policies on the economy. A substantial part of the course is devoted to implementing the techniques with actual data. The applications will be conducted in the statistical software R and RStudio.

#### Forme de l'évaluation

Mixed assessment: Empirical application and written term paper (40%); short in-class presentation (10%); 2-hour written exam during the exam session (50%). 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 a non-programmable calculator and a 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

The course is based on a slide deck, several text books, and research articles. References will be made available 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.