Evaluation des politiques publiques (Program Evaluation)

Course title - Intitulé du cours	Program Evaluation CM
Level / Semester - Niveau /semestre	M1 / S2
School - Composante	Toulouse School of Economics/ Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	Thierry MAGNAC, Paul DIEGERT
Lecture Hours - Volume Horaire CM	30
TA Hours - Volume horaire TD	0
TP Hours - Volume horaire TP	10.5
Course Language - Langue du cours	French/Français (T.MAGNAC), English/Anglais (P.DIEGERT)
TA and/or TP Language - Langue des TD et/ou TP	English/Anglais

Teaching staff contacts - Coordonnées de l'équipe pédagogique :

Thierry Magnac and Paul Diegert: prior appointment after the class or by email

thierry.magnac@tse-fr.eu, T.520, Office hours, Thursdays 6-7pm

paul.diegert@tse-fr.eu, T.523, Office hours, TBA

Course's Objectives - Objectifs du cours :

In this course, we shall study the main empirical methods used in program or policy evaluations from the design of samples to the estimation of treatment parameters and the construction of counterfactuals. It aims at evaluating, in a rigorous and comprehensive way, the quantitative impact of a policy by the public sector or a strategy by firms on outcomes and welfare of participants. Important examples in economics are subsidies given to unemployed and their impact on unemployment exits, the incentive effects of taxes and exemptions on households 'labor supply and consumption or the impact of a pricing policy by firms on their sales.

Content of the course: Randomized control trials, social and natural experiments, definition of treatment effects, difference-in differences, matching methods, instrumental variables, regression discontinuity designs and structural evaluation

Content of the tutorial sessions: computer classes in which empirical applications are worked out using Stata.

Prerequisites - Pré requis :

Econometrics of the linear model including instrumental variable methods and econometrics of discrete variables.

Grading system - Modalités d'évaluation :

Assessment:

50% for final exam

20% for midterm exam

20% for homework and exam

10% participation in classes

Bibliography/references - Bibliographie/références :

Angrist, J.D., and J.S., Pischke, 2009, *Mostly Harmless Econometrics*, Princeton University Press.

Blundell R., and M. Costa-Dias, 2009, "Alternative Approaches to Evaluation in Empirical Microeconomics", *Journal of Human Resources*, 44, 565-640.

Imbens, G. and Wooldridge, J., 2009, "Recent Developments in the Econometrics of Program Evaluation*", Journal of Economic Literature*, 47, 5-86

Khandker, S. R., G.B. Koolwal, H.A. Samad, 2010, *Handbook on Impact Evaluation*, The World Bank.

Morgan, S. L., & Winship, C. (2015). *Counterfactuals and causal inference*. Cambridge University Press.

More advanced:

Abadie A., and M.D. Cattaneo, 2018, "Econometric Methods for Program Evaluation", *Annual Review of Economics*, 10, 465-503.

Imbens, G., & Rubin, D. , 2015, *Causal Inference for Statistics, Social, and Biomedical Sciences: An Introduction.* Cambridge: Cambridge University Press. doi:10.1017/CBO9781139025751

Lee, M. J., 2016, *Matching, regression discontinuity, difference in differences, and beyond*. Oxford University Press.

Distance learning – Enseignement à distance :

Distance learning can be provided when necessary by implementing, for example: / En cas de nécessité, un enseignement à distance sera assuré en mobilisant:

- Interactive virtual classrooms / Classe en ligne interactive
- Recorded lectures (videos) / Vidéo enregistrée de la présentation du matériel pédagogique
- MCQ tests and other online exercises and assignments / QCM et exercices en ligne

- Remote (online) tutorials (classes) / TP/TD à distance
- Chatrooms / Forums