UCLouvain

lbrai2213

2018

Evaluation of Agricultural Policies

4 credits	30.0 h + 8.0 h	Q2

Teacher(s)	Henry de Frahan Bruno ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	Micro-economics (e.g., LBIR1242 Principes d'économie), introduction to econometrics (e.g., LECGE1316 or LINGE1221 Econométrie) and Microsoft Excel. *The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes	Economic models for policy analysis: Demand and supply models, Household models, Market and multi-market models, Trade models, Computable general equilibrium models. Most illustrations are drawn from recent agricultural and trade policy reforms.
Aims	With respect to the learning outcomes of the Bio-engineering in agricultural sciences, this course contributes to the following main learning outcomes: 1.3 - 1.4: model selections 2.1 - 2.5: model specifications, techniques and programming 3.4 - 3.6: model design, simulation, interpretation and practices 4.4: model design and specifications 1 By the end of the course, students are able to: - know and understand common applied methods for policy analysis in both partial and general equilibrium settings, - design simple econometric and mathematical models to analyse economic policies under various hypothesis and scopes as well as recognise their limitations, - bridge their microeconomic theory to policy analysis, - be better prepared to assist policy decision makers. - - - - *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	Written examination, mainly syntheses and exercises. Short class presentation on a specific modelling exercise.
Teaching methods	Teaching in class room and several applications in computer room.
Content	1. Government interventions and their evaluation 2. Demand analysis 3. The profit function approach to supply and factor demand 4. Supply response: expectations formation and partial adjustment 5. Agricultural household models 6. Price distortions: indicators and partial equilibrium analysis 7. Multimarket models: principles and applications 8. General equilibrium theory 9. National account data and social accountancy matrix 10. Design and use of computable general equilibrium models
Inline resources	Moodle
Bibliography	Slide shows and overheads available on Moodle. Some complementary textbook chapters and journal articles. Recommended textbook: Sadoulet Elisabeth and Alain de Janvry. Quantitative Development Analysis, Johns Hopkins University Press, Baltimore, 1995.
Other infos	Course taught in English with most material in English and some in French.

Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Agricultural Bioengineering	BIRA2M	4	LBIRA2105	
Master [120] in Agriculture and Bio-industries	SAIV2M	4		