




3.00 credits

27.5 h + 7.5 h

Q1

Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	homework in group
Teaching methods	lectures in class / on Teams homeworks
Content	Introduction to the different data types (cross-sections, time series, panel data) and to the small-sample and large-sample justifications of the OLS estimators Cross-sections : typical exceptions to the Gauss-Markov assumptions, sources of endogeneity, IV estimators Time series : the problem of non-stationarity, unit root tests, a few typical econometric specification for time series (Koyck, ECM,...) Panel data : fixed effect model vs random effect model, the unifying Mundlak approach
Inline resources	partim B (Applied Econometrics): Documents used during the lectures (plans, tables, graphs,...) are available for the students on Teams.
Faculty or entity in charge	AGRO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedical Engineering	<a href="#">GBIO2M</a>	3		
Master [120] in Forests and Natural Areas Engineering	<a href="#">BIRF2M</a>	3		
Master [120] in Environmental Bioengineering	<a href="#">BIRE2M</a>	3		
Master [120] in Mathematical Engineering	<a href="#">MAP2M</a>	3		
Master [120] in Agriculture and Bio-industries	<a href="#">SAIV2M</a>	5		