

## Course Descriptions Master 2019-2020

Course Title Equilibrium Theory  
 Course Code EBC4147  
 ECTS Credits 6,5  
 Assessment Whole/Half Grades

Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
2	28-10-2019	20-12-2019	C					

Level Advanced

Coordinator Stefan Terstiege For more information:s.terstiege@maastrichtuniversity.nl

Language of instruction English

Goals Get acquainted with advanced general equilibrium theory, with important literature in the field, and with important mathematical proofs.

Description General equilibrium theory studies models of an economy organized as a system of competitive markets, in particular the existence of equilibria and their welfare properties. This course gives an introduction to the theory at an advanced level, its conclusions and its limitations. The material is treated rigorously, and a substantial amount of time is spent on mathematical proofs. Typically, the contents are as follows. First, we study general theorems on welfare and equilibrium existence, starting with an analysis of consumer and producer behavior. Afterwards, we study further important topics such as externalities, (local) uniqueness, core, and the Sonnenschein-Mantel-Debreu Theorem. At the end, we study one topic in more detail, namely the question of whether equilibria of search and matching models converge to a competitive equilibrium when frictions become small.

Literature Typically, we use the following literature.  
 \* Debreu, G. (1959): Theory of Value, Yale University Press.  
 \* Mas-Colell A., M.D. Whinston, and J.R. Greene (1995): 'Microeconomic Theory', Oxford University Press.  
 \* Selected papers.

Prerequisites Knowledge equivalent to the research master courses 'Microeconomics I' (EBC4061) and 'Mathematical Research Tools' (EBC4182)

Teaching methods PBL / Presentation / Lecture / Assignment

Assessment methods Participation / Oral Exam

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Master Business Research - No specialisation	Year 2 Free Elective(s)
Master Business Research - Operations Research	Year 1 Elective Course(s)
Master Business Research - Operations Research	Year 2 Elective Course(s)
Master Economic and Financial Research - Econometrics	Year 2 Elective Course(s)
Master Economic and Financial Research - No specialisation	Year 2 Elective Course(s)