

Course Title	Equilibrium Theory and Financial Markets							
Course Code	EBC4009							
ECTS Credits	6,5							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	5	17-4-2023	9-6-2023	X		X		
Level	Advanced							
Coordinator	Arkadi Predtetchinski, Anna Zseleva For more information:a.predtetchinski@maastrichtuniversity.nl; anna.zseleva@maastrichtuniversity.nl							
Language of instruction	English							
Goals	<p>Learn about the notion of competition in a setting with many households, firms, and commodities. Understand the notions of competitive equilibrium, the first and second fundamental welfare theorem, and the core.</p> <p>Understand the role of financial markets in reshuffling income across time and states of the world. Learn about the consequences of market incompleteness. Understand the Capital Asset Pricing Model.</p>							
Description	<p>PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS.</p> <p>After introducing the necessary mathematical preliminaries and extending our knowledge on selected ingredients from consumer theory, the course focuses on general equilibrium models with complete markets, in particular classical exchange and production economies. Central concepts to be studied are the competitive equilibrium and the core. Next, the model is extended to include time and uncertainty, and the strong assumption of complete markets is relaxed. This makes it possible to incorporate financial markets in a satisfactory way. We study the relationships between equilibrium and arbitrage opportunities, and the valuation of financial securities. The well-known CAPM is a special case of the model studied. A rigorous derivation of the CAPM is provided.</p>							
Literature	Reny and Jehle, Advanced Microeconomic Theory, Addison-Wesley, 1998 - LeRoy and Werner, Principles of Financial Economics, Cambridge University press, 2001							
Prerequisites	Intermediate microeconomics course, e.g. Microeconomics, or Information, Markets and Organisation. Exchange students need to have obtained a Bachelor degree with a major in Economics or Econometrics and have an advanced level in mathematics.							
Teaching methods	PBL / Assignment							
Assessment methods	Written Exam							
Evaluation in previous academic year	For the complete evaluation of this course please click <a href="http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM">http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM</a>							
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 Econometrics and Operations Research				Elective Course(s)			
	Master Economic and Financial Research - Econometrics				Year 1 Core Course(s)			
	Master Economic and Financial Research - Econometrics				Year 1 Elective Course(s)			
	Master Economic and Financial Research - No specialisation				Year 1 Elective Course(s)			
	SBE Exchange Master				Master Exchange Courses			
	SBE Non Degree Courses				Master Courses			