Course Descriptions None 2024-2025

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	14-4-2025	8-6-2025	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	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. 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.
Description	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.
Literature	Reny and Jehle, Advanced Microeconomic Theory, Addison-Wesley, 1998 - LeRoy and Werner, Principles of Financial Economics, Cambridge University press, 2001
Prerequisites	This course is in transition for the master Business Research. See the Master Education and Examination Regulations for more information. The following rule applies to master Business Research students who started the programme prior to academic year 2024-2025. TRANSITIONAL REGULATION (EBC4009): The master Business Research has been discontinued. Courses of the Business Research master's programme will continue to be offered until and including academic year 2025-2026 with exam opportunities running until and including 2026-2027. 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. An advanced level of English.
Teaching methods	PBL / Assignment
Assessment methods	Written 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	Transitional Regulation
Master Business Research - Operations Research	Transitional Regulation
Master Econometrics and Operations Research	E&OR Electives
Master Economic and Financial Research - Econometrics	Elective Course(s)
Master Economic and Financial Research - Econometrics	Year 1 Core Course(s)
Master Economic and Financial Research - No specialisation	Elective Course(s)
SBE Exchange Master	Master Exchange Courses
SBE Non Degree Courses	Master Courses