

# Course Descriptions Exchange 2019-2020

Course Title                      Macroeconomics and Finance  
 Course Code                      EBC2001  
 ECTS Credits                      6,5  
 Assessment                      Whole/Half Grades

Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
1		2-9-2019	25-10-2019		X/E		X/E	

Level                      Introductory  
 Coordinator                      Jaap Bos, Clemens Kool For more information: j.bos@maastrichtuniversity.nl; c.kool@maastrichtuniversity.nl  
 Language of instruction                      English  
 Goals                     
 

- \* Understand and use the concepts of nominal, real and effective exchange rates
- \* Understand and use arbitrage (parity) relations in foreign exchange
- \* Understand and use short-run and long-run exchange rate determinants
- \* Understand and use a simple IS-LM-FX model for a small open economy under fixed and floating exchange rates
- \* Understand and use the IS-LM-FX model for short-run macroeconomic policy analysis
- \* Understand and use the differences and similarities between a fixed exchange and a monetary (currency) union
- \* Compute the return and volatility of stocks and portfolios of stocks
- \* Understand the (theoretical) trade-off between risk and return, and how to select an efficient portfolio
- \* Understand the (assumptions behind the) CAPM and its practical use
- \* Estimate CAPM betas for different industries using time series data and their relation to risk-return trade-offs
- \* Compute the cost of capital for a firm or an investment opportunity
- \* Understand multifactor models of risk, e.g. the Fama-French-Carhart model
- \* Compute the value of a firm and understand the Law of One Price
- \* Understand the (assumptions behind the) Modigliani-Miller (MM) theorem
- \* Understand how deviations from MM affect the optimal capital structure
- \* Understand the valuation and use of financial options in risk management

Description                     
 

In this course, we focus on a limited number of specialized topics in international macroeconomics and finance. These are:

- \* Short-run and long run determinants of the exchange rate and the role of the exchange rate as an adjustment mechanism between countries
- \* The effectiveness of monetary and fiscal stabilization policies in open economies under fixed and floating exchange rate regimes
- \* The special case of a currency union: the euro area
- \* The role of risk and return in asset pricing and optimal portfolio composition
- \* The determinants of the choice between debt and equity (capital structure) in funding a firm's operations
- \* Financial risk management and the use of options

Literature                     
 

- \* Berk & DeMarzo, Corporate Finance, Pearson, 4th ed., 2017
- \* Feenstra R.C., A.M. Taylor, International Macroeconomics, MacMillan, 4th (int'l) ed., 2017

Prerequisites                      Students are expected to be familiar with the standard concepts taught in 1st year undergraduate Macroeconomics and Finance courses.

Teaching methods                      PBL / Presentation / Lecture / Assignment

Assessment methods                      Participation / Written Exam / Presentation

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	Bachelor Econometrics and Operations Research	Year 2 Compulsory Course(s)
	SBE Exchange Bachelor	Bachelor Exchange Courses
	SBE Exchange Master	Bachelor Exchange Courses
	SBE Non Degree Courses	Bachelor Courses