

Course Title	Quantitative Methods III (IES)
Course Code	EBC2011
ECTS Credits	6,5
Assessment	Whole/Half Grades

Level	Intermediate
Coordinator	Hans de Graaff For more information:h.degraaff@maastrichtuniversity.nl
Language of instruction	English
Goals	Learn advanced optimisation techniques and apply them to economic problems. Understand the concept of integral and learn some integration techniques. Learn how to solve some simple discrete as well as continuous dynamic systems and to analyse equilibrium points. Learn advanced multiple regression techniques. Learn some univariate as well as multivariate time series techniques. Apply multiple regression and time series techniques to economic problems using statistical software.

Literature	<p>Mathematics:          Sydsæter, Knut, and P. Hammond (2012), Essential Mathematics for Economic Analysis, 4th ed. Pearson Education, Harlow.          Vermeulen, D. and H. de Graaff, Syllabus Dynamic Models.</p> <p>Statistics:          Jeffrey M. Wooldridge (2013), Introductory Econometrics: a modern approach, 5th ed., Thomson South-Western. ISBN : 97811111534394 (also as eBook, see <a href="http://www.cengagebrain.co.uk">www.cengagebrain.co.uk</a>).</p>
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Teaching methods	PBL / Lecture / Assignment
Assessment methods	Participation / Written Exam

This course belongs to the following programme / specialisation	Bachelor Economics and Business Economics Specialisation Economics	Year 2 Compulsory Courses
	Bachelor Economics and Business Economics Specialisation Emerging Markets	Year 2 Elective Courses
	Bachelor Economics and Business Economics Specialisation Economics and Management of Information	QE Electives
	SBE Exchange Bachelor	Bachelor Exchange Courses
	SBE Exchange Master	Bachelor Exchange Courses
	SBE Non Degree Courses	Bachelor Courses