

Course Title	Decision Support Systems and Business Modelling							
Course Code	EBC2088							
ECTS Credits	6,5							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	5	12-4-2021	28-5-2021		X			X
Level	Intermediate							
Coordinator	Andre Berger For more information:a.berger@maastrichtuniversity.nl							
Language of instruction	English							
Goals	<p>Understanding the role and operation of decision support systems. Independent development of a decision support system.</p> <p>Master programming in Excel and the design of user interfaces in VBA for Excel.</p>							
Description	<p>PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. THE INFORMATION PROVIDED HERE IS BASED ON THE COURSE SETUP PRIOR TO THE CORONAVIRUS CRISIS. AS A CONSEQUENCE OF THE CRISIS, COURSE COORDINATORS MAY BE FORCED 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. Decision support systems are computer-based systems for management decision makers who deal with semi-structured decision problems. A DSS is closely related to a MIS, a management information system. Where a MIS helps decision makers utilize data and models to solve structured problems, a DSS aims to give the same support, in case the problem is less structured (less routine). In this course, we will focus on the separate techniques that form the building blocks of a DSS: databases, spreadsheet models, recommendation model, and the user interface. Developing a business model as a decision aid for a self-designed choice problem is the major assignment of the course. We will use Excel and VBA as a tool to program our own DSS. Writing a management report describing the DSS and its possible implementation is the second practical assignment. Together, those two assignments compose the project done by small project groups of 2 students.</p>							
Literature	The course is built around a reader that will be distributed before the course. Secondary literature references about decision support systems in general will be provided in the reader.							
Prerequisites	<p>Basic mastery of Excel, or an alternative spreadsheet application: cell referencing, building formulas, use of logical functions.</p> <p>This does not include mastery of VBA for Excel: training in VBA programming is part of the course.</p>							
Teaching methods	An advanced level of English.							
Assessment methods	PBL / Presentation / Lecture / Assignment / Groupwork							
Evaluation in previous academic year	Final Paper / Oral Exam							
	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 Economics and Business Economics - Economics				Year 3 Quantitative Economics Elective(s)			
	Bachelor Economics and Business Economics - Emerging Markets				Year 3 Elective Course(s)			
	Bachelor Economics and Business Economics - Economics and Management of Information				Year 2+3 Quantitative Economics Elective(s)			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Accounting			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Finance			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Inf Mgmt			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Marketing			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Org			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj SCM			
	Bachelor Economics and Business Economics - International Business Economics				Year 3 QE Elec(s) - Maj Strategy			
	Bachelor International Business - Emerging Markets				Year 3 Elective Course(s)			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Accounting			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Finance			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Inf Mgmt			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Marketing			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Org			
	Bachelor International Business				Year 3 QE Elec(s) - Maj SCM			
	Bachelor International Business				Year 3 QE Elec(s) - Maj Strategy			
	SBE Exchange Bachelor				Bachelor Exchange Courses			
	SBE Exchange Master				Bachelor Exchange Courses			
SBE Non Degree Courses				Bachelor Courses				