## **Course Descriptions Bachelor 2022-2023**

Course Descriptions I								
Course Title	Neuroeconomics: Decision Making and the Brain							
Course Code	EBC2166							
ECTS Credits	6,5							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	4	6-2-2023	31-3-2023	Х		Х		
Level	Intermediate/Advanced							
Coordinator	Arno Riedl For more information: a. riedl@maastrichtuniversity.nl							
Language of instruction	English							
Goals	Students will recognize different disciplinary approaches to understand human decision-making and compare these to the interdisciplinary approach of Neuroeconomics. They will summarize different models within the area of Neuroeconomics and apply them to various decision-making domains. Students will also learn to critically evaluate existing studies.							
Description	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.							
	Neuroeconomics, sometimes also known as Decision Neuroscience, is an emerging field combining insights from economics, psychology, and neuroscience to understand how (healthy) humans make decisions and how these are related to underlying cognitive and neural processes. The ultimate goal of Neuroeconomics is to integrate knowledge from the different parent disciplines to answer the fundamental question of how our brain makes us decide.							
	This course provides an introduction to this exciting endeavour as well as a critical discussion and reflection on some of the most important results achieved so far. The course will introduce the general idea behind Neuroeconomics by discussing examples showing the limitations of viewing decision making merely through the lens of the traditional fields of economics, psychology and neuroscience.							
	The course will review various methods used in Neuroeconomics research for measuring and influencing brain activity. An important part of the course will be devoted to learning about the foundations and models on Neuroeconomics such as the basics of neuroscience. Equipped with these tools and background, we will read, discuss, and critically evaluate seminal and recent studies in Neuroeconomics. Possible topics include:							
	<ul> <li>* Subjective value and decision making: how does our brain evaluate, compare and make us choose betwee different options?</li> <li>* Decision-making under risk: what are the neural mechanisms underlying our decisions to gamble in the casino and buy insurance contracts?</li> </ul>							
	<ul> <li>* Decision-making over time: what are the brain areas that make us patient or impatient and how is their neural activity related to procrastination?</li> <li>* Social decisions: what brain mechanisms make us humans be nice or nasty to other people? Are we intrinsically selfish or generous, and how can we find out about it?</li> </ul>							
	This interdisciplinary and challenging course consists of lectures and group work. It will use formal concepts from economics and neuroscience. Students should therefore not be afraid of mathematics. The course is ideal for students who are open minded towards methods and models from other disciplines and have a genuine interest in interdisciplinary thinking.							
Literature	Academic P	apters from Gl ress, London earch articles	, UK, 2nd edit	and Fehr E. ( ion, 2014.	eds.) 'Neuroe	economics: D	Decision Makir	ng and the Brain
Prerequisites	Sufficient qu	antitative skill	s and basic kr	nowledge of m	icroeconomic	S.		
Keywords								
Teaching methods	PBL / Presentation / Lecture / Papers							
Assessment methods	Participation / Written Exam / Presentation							
Evaluation in previous academic year			on of this cour Il/rapporten.as					

This course belongs to the following programme / specialisation

Bachelor Economics and Business Economics -Year 3 Economics Elective(s) **Economics** Bachelor Economics and Business Economics -Year 3 Elective Course(s) **Emerging Markets** Bachelor Economics and Business Economics -Economics and Management of Information Year 2+3 Elective Course(s) Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Accounting International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Finance International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Inf Mgmt International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Marketing International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Org International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj SCM International Business Economics Bachelor Economics and Business Economics -Year 3 Economics Elec(s) - Maj Strategy International Business Economics Year 3 Economics Elec(s) - Maj Accounting Bachelor International Business Year 3 Economics Elec(s) - Maj Finance Bachelor International Business Bachelor International Business Year 3 Economics Elec(s) - Maj Inf Mgmt Bachelor International Business Year 3 Economics Elec(s) - Maj Marketing Bachelor International Business Year 3 Economics Elec(s) - Maj Org **Bachelor International Business** Year 3 Economics Elec(s) - Maj SCM **Bachelor International Business** Year 3 Economics Elec(s) - Maj Strategy Pre-master Human Decision Science Disciplinary Course(s) SBE Exchange Bachelor Bachelor Exchange Courses SBE Exchange Master **Bachelor Exchange Courses** SBE Non Degree Courses **Bachelor Courses**