Course Descriptions None 2022-2023

Course Title	Introduction to Software in Econometrics
Course Code	EBS2072
ECTS Credits	4,0
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
3	16-1-2023	27-1-2023	C				

Level	Advanced
Coordinator	Nalan Bastürk For more information:n.basturk@maastrichtuniversity.nl
Language of instruction	English
Goals	1. The student will learn to model simple econometric problems in the Bayesian framework. 2. The student will learn how to implement simulation-based Bayesian inference procedures for standard econometric models in the statistical programming software R and how to interpret estimation results. 3. The student will learn how to assess the appropriateness and accuracy of different simulation methods in different examples.
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. Students will learn basic principles of Bayesian inference in econometrics focusing on computational techniques. They will acquire the skills to implement simulation based Bayesian inference procedures for standard econometric models in the statistical programming software R. Being able to implement and apply simulation based statistical methods is fundamental for the application of Bayesian methods to econometric problems.
Literature	
Prerequisites	Econometric Methods 1 (EBC2111)
Keywords	
Teaching methods	
Assessment methods	
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 3 Elective Skill(s)