



Methodische Grundlagen der Wirtschaftsinformatik: "Computational Economics "

Wintersemester 2018/19

Course Description:

This course strives for a hands-on approach on computational economics. The ability to conceptualize an economic problem verbally, to formulate it as a mathematical model, and then represent the mathematics in software so that the model can be solved on a computer is a crucial skill for economists. Computational Economics contains well-known models designed to help students move from verbal to mathematical to computational representations in economic modeling. The course not only focuses on just solving the models, but also on developing the ability to modify them to reflect one's interest and point of view.

Target Group:

This course addresses specifically students in the first year of their integrated master program as well as M.Sc.VWL" students.

Organization:

This course is comprised of a lecture and accompanying assignments.

Communication:

All announcements, handouts, etc. will be posted on CampusOnline

Literature:

David A. Kendrick, P. Ruben Mercado, & Hans M. Amman (2005) "*Computational Economics*", Princeton University Press

Language:	English		
Timetable:	Lecture Start	Tuesday October,23	12 – 02 pm introduction
	Practice Start	Monday tba	12 - 02 pm
Room:	Lecture Practice	HS 3044 HS 3044	

Tentative Topics

 1.Introduction 2.Growth Model 3.Neural Networks 4.Databases 5.Transportation and Assignm 6.General Equilibrium 7.Partial Equilibrium 	ent Models
Policies and Procedures Grading:	final exam
Exam:	tba
Creditpoints:	6
Chair:	Prof. Dr. Dirk Neumann Albert-Ludwigs-Universität Chair of Information Systems Platz der Alten Synagoge D-79085 Freiburg

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