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 and “Hands-on” tutorials. In the first lecture, the participants are divided into groups and assigned to their tutorial classes.

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

Literature:

Language: English

Timetable:
Lecture    Thursday  10 – 12 am
Start      October 22, 2015 introduction

Practice   Monday  12am – 02 pm
Start      November 02, 2015

Tutorials   tba

Room:
Lecture         HS 2121
Practice        HS 2121
Assignments    tba
Tutorials      tba
Tentative Topics

1. Introduction
2. Growth Model
3. Neural Networks
4. Databases
5. Transportation and Assignment Models
6. General Equilibrium
7. Partial Equilibrium

Policies and Procedures

Grading: final exam

Exam: tba

Creditpoints: 6

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