040005 PR KFK PM/SCM/TL Praktikum Simulation II

Chair of Production and Operations Management
(Lehrstuhl für Produktion und Logistik)
Department of Business Administration
Faculty of Business, Economics and Statistics
University of Vienna

Lecturer

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Mode

- Monday, 14:00 - 18:00, Lab 6, BWZ
- Blocked, in second half of semester, please refer to schedule for actual dates
- This course is with "immanentem Prüfungscharakter"
- Compulsory attendance at presentation dates

Prerequisites

- Positive evaluation of course *Simulation I* (040669), either in the current or one of the previous semesters

- Basic computer skills
- Basic programming skills would be useful
- Basic experience in MS Excel or comparable spreadsheet software

Objectives

Based on a small simulation project, the students will have the opportunity to apply the theoretical knowledge and practical skills gained from the course *Simulation I* (040669). The projects will be handled by groups of at most two people. The final implementation in the `AnyLogic` simulation environment is to be presented in class and summarized in a short seminar paper.

Schedule

Date	**Topic(s)**
May 6, 2013	Administrative issues + introduction Group building
May 27, 2013	Question time: on demand, upon arrangement
June 3rd, 2013	Intermediate presentation of concept
June 24, 2013	Final presentation + delivery of seminar paper Attention, changed hours and location: 12pm - 5:30pm, SE 3

Grading Mode

The final grade is computed as a weighted average over partial grades received on the following assignments:

1. Intermediate presentation (30 %)
2. Final presentation (35 %)
3. Term paper (35 %)

In order to pass the course, a positive evaluation has to be achieved for both presentations and the seminar paper.

Language

Course language is English. This also applies to the students' presentations and the term papers.

Literature

Class Notes

- Will be made available after the respective lesson
- Class notes provided for the course *Simulation I* (040669) may also be helpful

Book(s)

- Law, A.M.: Simulation Modeling and Analysis. McGraw-Hill.
- Kelton, W.D.: Simulation with Arena. McGraw-Hill.

AnyLogic Manuals

- AnyLogic 6 Users Guide (available for download here)
- AnyLogic 6 Enterprise Library Tutorial (available for download here)
- AnyLogic 6 Enterprise Library Reference Guide (available for download here)