

Course Descriptions Exchange 2018-2019

Course Title Operations Management
 Course Code EBC2064
 ECTS Credits 6,5
 Assessment Whole/Half Grades

| Period | Period | Start | End | Mon | Tue | Wed | Thu | Fri |
|--------|--------|----------|------------|-----|-----|-----|-----|-----|
| 1 | | 3-9-2018 | 26-10-2018 | X | | X | | |

Level Intermediate

Coordinator Christof Defryn For more information: c.defryn@maastrichtuniversity.nl

Language of instruction English

Goals Ability to understand and judge the role and functioning of quantitative models for decision making in the management of operations. Ability to use such models and derive managerial decisions. Ability to simulate real life situations and solve cases in the area of research. Ability to apply theoretical knowledge to practical (simulated) operational situations.

Description The course focusses on the application of techniques in the area of Operations Management. Topics which are covered include Process Analysis, Project Management, Quality Control, Capacity Planning, Supply Chain Management, Inventory Management, Scheduling & Aggregate Planning, Lean Production/JIT, and Waiting Line Theory. Addressing these topics, several quantitative techniques that have shown to be successful in these areas will be applied on examples and exercises. Furthermore, said techniques are applied to an accurate interactive simulation, which takes the form of a computer game. The course combines cases, exercises and discussions, facilitated by students themselves. Facilitations cover both the learning materials resulting from the aforementioned game, and the mandatory hand-in assignments.

Literature Recommended reading : "Management of Operations and Product Development", prepared by Grigoriev and Foubert (Maastricht University). McGraw-Hill Custom Publishing. Various research papers from the field of Operations Management.

Prerequisites Advanced knowledge of the role and scope of Operations Management within Business. Advanced mathematical skills; ability to understand quantitative models and concepts, and apply these. Moderate level of understanding of simulation. Moderate level of knowledge concerning Linear Programming. An advanced level of English. An advanced level of expertise in PBL(Project Based Learning).

From the above, it can be assumed that students taking this course have at the very minimum obtained the necessary knowledge in order to pass the course Management of Operations and Product Development (MOPD).

Teaching methods PBL / Presentation / Assignment / Papers / Groupwork

Assessment methods Final Paper / Participation / Written Exam

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

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|---|---|
| Bachelor Economics and Business Economics - Economics | IBE Electives |
| Bachelor Economics and Business Economics - Emerging Markets | Business Electives |
| Bachelor Economics and Business Economics - Emerging Markets | Major SCM |
| Bachelor Economics and Business Economics - Economics and Management of Information | Free Electives |
| Bachelor Economics and Business Economics - International Business Economics | Business Electives |
| Bachelor Economics and Business Economics - International Business Economics | Major SCM |
| Bachelor Econometrics and Operations Research | Business & Economics Electives |
| Bachelor International Business - Emerging Markets | Major SCM |
| Bachelor International Business | Business Electives (Major Accounting) |
| Bachelor International Business | Business Electives (Major Finance) |
| Bachelor International Business | Business Electives (Major Information Management) |
| Bachelor International Business | Business Electives (Major Marketing) |
| Bachelor International Business | Business Electives (Major Organisation) |
| Bachelor International Business | Business Electives (Major Strategy) |
| Bachelor International Business | Major SCM |
| SBE Exchange Bachelor | Bachelor Exchange Courses |
| SBE Exchange Master | Bachelor Exchange Courses |
| SBE Non Degree Courses | Bachelor Courses |