

## Syllabus

**Name:**

Production and Operations Management

**Responsible:**

Professor Ronald Bogaschewsky, Chair of Business Management and Industrial Management

**Program:**

Bachelor & Master

**Type:**

Term Paper  
& Seminar

**Term:**

Winter

**ECTS:**

6 CP

**Contents & Objectives:**

Nowadays, companies are interrelated to each other by numerous connecting facets of business. Suppliers, buyers, producers and customers are sharing information between each other. In order to work successful in this environment a company has to consider many aspects and therefore work well in forecasting the demand, producing the right lot sizes, building up strategic network relations and a lot of further points. In this context, many firms face difficult situations, decisions and problems. This term paper offers students to research these difficulties and to specifically exam the solutions Production and Operations Research literature offers.

After successfully completing the course, students should be able to:

- Understand the complexity of decisions in the field of Production and Operations Research
- Adapt theoretical knowledge of Production and Operations Research in real world problems
- Recognize the interrelations in-between a network of suppliers, buyers, producers and customers

**Prerequisites:**

The course is designed for international Bachelor and Master Students (ERASMUS) in with basic knowledge in the fields of Production and Operations Management. Specific knowledge in Supply Chain Management is not required.

**Course Structure:**

Each participating student will receive a specific topic in the fields of Production and Operations Management. The term paper has to be written in English. The deadline for handing in the term paper will be announced by the Chair of Business Management and Industrial Management (approximately 4-6 weeks before exams). The term paper has to be presented in a Seminar meeting at the end of the term (approximately 1-2 weeks before the exams).

**Literature:**

Each student will receive some basic literature according to his or her topic of the term paper. As a part of the workload, additional literature has to be found by an independent search.

**Grading:**

- Term paper (2/3)
- Final presentation within a Seminar meeting (1/3)

**Contact:**

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