

**Objectives:**

The students have understood the basic principles and procedures of Operations Research, can apply the learned procedures to practical cases and critically evaluate the results achieved with them.

Methodological Competencies:

The students understand the methods of operations research, can choose the most suitable methods for a problem and are able to solve it.

Personal Skills:

Students have acquired general skills and strategies for systematically solving complex problems. Using model-theoretic approaches, they can lead qualitative discussions and advocate a clear set of opinions.

Contents:

- Concept and tasks of Operations Research
- Methods used in Operations Research
- Linear Optimization and Simple Algorithms
- Queueing models, inventory models
- Network planning technique
- Game theory

Assessment:

Assessment of this course will be based on a final examination.