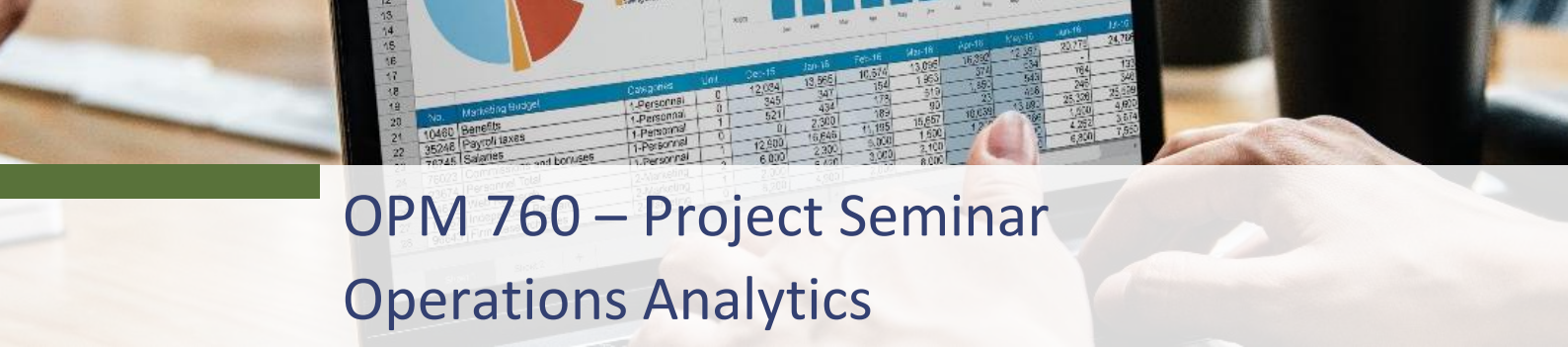

# OPM 760 – Project Seminar Operations Analytics

The goal of this seminar is to introduce the participants to conducting of scientific research in the field of operations management. Thereby, it prepares the students for writing an analytics-oriented Master's thesis. Based on scientific literature, participants will apply and implement predictive or descriptive business analytics approaches to solve an operations management problem. A sensitivity analysis demonstrates the reliability of the approach and generate managerial insights. Depending on the assigned topic, students will work individually or in small teams. Students present their findings through a written report and an oral presentation.

## General Information

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|---|---|
| Lecturer | Prof. Dr. Raik Stolletz |
| Course Format | Written scientific report |
| Credit Points | 6 ECTS |
| Language | English |
| Grading | Written report<br>Presentation<br>Active contribution to class discussion |
| Term | Spring / Fall Semester |
| Range of Application | M.Sc. MMM, M.Sc. Bus. Edu |

**Learning Goals**

Students will learn to analyze and implement a predictive or prescriptive business analytics approach based on scientific literature. They learn to design a numerical study to draw conclusions on how this approach supports decisions for a problem in Operations Management. Additionally, they will learn how to present the results of their analyses.

**Prerequisites:**

- At least one module OPM 661 or OPM 662 (parallel attendance possible) or an equivalent module within an exchange program.
- Sound knowledge of programming in Python and familiarity in predictive or prescriptive operations analytics.
- Sound knowledge in production management, quantitative skills, as well as interest in scientific research is required.

**Registration/Enrollment**

The course requires a registration through the ILIAS group. For more information, please see website of the chair.

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