Module title: Engineering Project
Module Code: MP
Study program: Mechanical engineering Bachelor
Term: 6MB 7MB
Turnus: Annual rhythm
Language: English
Responsible: Prof. Dr.-Ing. Karl-Theo Peters, Prof. Dr.-Ing. Stefan Steiger
Lecturer: Prof. Dr.-Ing. Karl-Theo Peters, Prof. Dr.-Ing. Stefan Steiger, Prof Dr.-Ing. Sebastian Haupt, Engineers
Course type: Elective
45-minute Teaching Units per Week (SWS): 2
Credits: 6 ECTS
Pre-requisites: Basic lectures of the first 4 semesters Internship
Module Aims: To solve a manufacturing problem
Learning Outcomes: After completing the course students are able to solve design or manufacturing problems. The complete process chain is part of this course (design, project management, process planning, manufacturing, measuring and testing)

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<tr>
<th>Indicative Time Allowance:</th>
<th>Attendance</th>
<th>Individual Learning Time</th>
<th>Credits:</th>
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<td>SWS per week</td>
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<td>Lecture:</td>
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<td>Practice:</td>
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<td>Laboratory:</td>
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<td>Exam preparation:</td>
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<td>Total:</td>
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<td>Total hours:</td>
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Course Topics: Projects in the following topics:
- Design of modules and components of machines, apparatuses etc.
- Manufacturing (e.g. turning, milling, sheet metal processing, EDM, injection molding, extrusion)
- Robotics (part handling or processing)
- Other interdisciplinary topics

Teaching method: Group work in small teams (3-4 students)
Program achievement: Presentations of work, presenations at machine tools, final presentation
Assessment: Project, presentation