

Title	<b>Ergonomics &amp; Practical Training</b>
Code	
Course director	Prof. Dr. Johannes Brombach
Course teacher(s)	Prof. Dr. Johannes Brombach
ECTS credits	3
Directed study time (1 contact hour = 45 min)	3 hours per week per semester
Level	Bachelor's
Assessment method(s)	Written examination
Prerequisites	None <b>Priority to exchange students that are enrolled at the department of Engineering and Management!</b>
Background assumed	Engineering, Business Administration
Course aims	
Learning and teaching outcomes	By the end of the course students will: <ul style="list-style-type: none"> <li>• Have learnt the principles behind and methodological approaches to human factors and ergonomics.</li> <li>• Know the basics of human performance and motivation as well as their considerations in the design of workplaces, organization, work equipment and the production environment.</li> </ul>
Learning and teaching methods	Lectures, seminar, group work
Syllabus plan and content	<ul style="list-style-type: none"> <li>• Ergonomics: conceptual, legal, lawful, economic and social.</li> <li>• Performance requirements of humans (physical condition, skills, disposition and motivation).</li> <li>• Tasks, objectives and principles of ergonomic job design.</li> <li>• Design examples of industrial workplaces and equipment.</li> </ul>
Core reading	will be announced in the course
Supplementary reading	
Course evaluation method(s)	Standardized questionnaire after 4 weeks: results to be discussed with students immediately.

	Standardized questionnaire at the end of the course: results to be published after grading is complete and marks have been published.
Additional remarks	None
Available in	Summer semester & winter semester