Module title: Telecommunication Systems Lab
Abbreviation: 10-1=TEL-212-m01

Module coordinator: Dean of Studies Informatik (Computer Science)
Module offered by: Institute of Computer Science

ECTS: 5
Method of grading: Numerical grade
Only after successful completion of module(s): --

Duration: 1 semester
Module level: --
Other prerequisites: --

Contents:
The students realise projects in popular research areas of telecommunications like, e.g.,
- satellite communications,
- non-terrestrial and highly dynamic networks,
- joint communications and sensing,
- free-space optical communications and
- quantum communications.

Intended learning outcomes:
Students will
- gain experience in project planning, organising tasks, setting goals, and managing project timelines,
- apply problem-solving strategies and critical thinking skills to overcome project challenges and find innovative solutions,
- develop effective teamworking skills, including communication, coordination and cooperation within a project team,
- acquire and enhance technical skills and knowledge relevant to the project's subject matter and requirements and
- effectively communicate project progress, findings and outcomes to team members and wider audiences.

Courses:
V (2) + P (4)
Module taught in: English

Method of assessment:
(a) written examination (approx. 20 minutes) or
(b) oral group examination (max. 3 candidates, approx. 15 minutes each) or
(c) report (4-8 pages)
Language of assessment: English

Allocation of places:
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Additional information:
Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):
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Workload:
150 h

Teaching cycle:
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Referred to in LPO I (examination regulations for teaching-degree programmes):
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Module appears in:
Master's degree (1 major) Computer Science (2021)
Master's degree (1 major) Aerospace Computer Science (2021)