**Module title**
Telecommunication Systems Lab

**Abbreviation**
10-I=TEL-212-m01

**Module coordinator**
Dean of Studies Informatik (Computer Science)

**Module offered by**
Institute of Computer Science

<table>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<td>5</td>
<td>numerical grade</td>
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<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<td>1 semester</td>
<td>graduate</td>
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**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** (type, number of weekly contact hours, language — if other than German)
V (2) + P (4)
Module taught in: English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
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):
LR

**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)

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