

<b>Module title</b>		<b>Abbreviation</b>
Telecommunication Systems Lab		10-I=TEL-232-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Informatik (Computer Science)		Institute of Computer Science
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
<p>The students realise projects in popular research areas of telecommunications like, e.g.,</p> <ul style="list-style-type: none"> <li>• satellite communications,</li> <li>• non-terrestrial and highly dynamic networks,</li> <li>• joint communications and sensing,</li> <li>• free-space optical communications and</li> <li>• quantum communications.</li> </ul>		
<b>Intended learning outcomes</b>		
<p>Students will</p> <ul style="list-style-type: none"> <li>• gain experience in project planning, organising tasks, setting goals, and managing project timelines,</li> <li>• apply problem-solving strategies and critical thinking skills to overcome project challenges and find innovative solutions,</li> <li>• develop effective teamworking skills, including communication, coordination and cooperation within a project team,</li> <li>• acquire and enhance technical skills and knowledge relevant to the project's subject matter and requirements and</li> <li>• effectively communicate project progress, findings and outcomes to team members and wider audiences.</li> </ul>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
R (8) Module taught in: German and/or English		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>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: German and/or English</p>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR		
<b>Workload</b>		
300 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Master's degree (1 major) Computer Science (2023)		



Master's degree (1 major) Aerospace Computer Science (2023)