



## **Annex SFB**

# Studienfachbeschreibung (subject description, SFB) for the subject Aerospace Computer Science as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

Responsible: Faculty of Mathematics and Computer Science Responsible: Institute of Computer Science Examination regulations version: 2023 Examination regulations version: 2023

Abbreviations used:	Course types: <b>E</b> = field trip, <b>K</b> = colloquium, <b>O</b> = conversatorium, <b>P</b> = placement/lab course, <b>R</b> = project, <b>S</b> = seminar, <b>T</b> = tutorial, <b>Ü</b> = exercise, <b>V</b> = lecture									
	Term: <b>SS</b> = summer semester, <b>WS</b> = winter semester									
	Methods of grading: <b>NUM</b> = numerical grade, <b>B/NB</b> = (not) successfully completed									
	Regulations: <b>(L)ASPO</b> = general academic and examination regulations (for teaching-degree programmes), <b>FSB</b> = subject-specific provision = list of modules									
	Other: <b>A</b> = thesis, <b>LV</b> = course(s), <b>PL</b> = assessment(s), <b>TN</b> = participants, <b>VL</b> = prerequisite(s)									
Conventions for the modules in this SFB:	Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre- ditable for bonus.									
Information on assessment procedures:	Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me- thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.									
	Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.									
	Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.									

### In accordance with the general regulations governing the degree subject described in this module catalogue:

#### ASPO2015

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

### 15-Feb-2023 (2023-10)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses		To be spe	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessme	ent							
	Only after su completion of		Il if applica	ble						
	Other prereq	uisites	if applica	ble						
	Participants on of places		ocati- if applica	ble						
	Additional information		on if applica	if applicable						
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teachin	g-degree programmes)				

Electives Field (90	Electives Field (90 ECTS credits)									
Seminars (5 ECTS credits)										
10-Lu-	Seminar 1 - Cu	irrent Top	ics in A	erospace Compu	ter Science					
RI=SEM1-232-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		S (2) Modu	le taught in: Germ	an and/or English					
	Method of ass	essment			ges) and presentation nt: German and/or Eng		th subsequent discussic	on on the topic of the seminar		
10-Lu-	Seminar 2 - Cu	urrent Top	ics in A	Aerospace Compu	ter Science					
RI=SEM2-232-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		S (2) Modu	S (2) Module taught in: German and/or English						
	Method of ass	essment			ges) and presentation nt: German and/or Eng		th subsequent discussic	on on the topic of the seminar		
Aerospace Comput	er Science (20	ECTS cred	its)							
10-LURI=S-	Spacecraft System Analysis									
SA-232-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (4) + Ü (2) Module taught in: English							
	Method of assessment		written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus							
	Additional Info	ormation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES, LR						
	Referred to in	LPO I	§ 22    Nr. 3 b)							
10-LURI=R-	Rocket Propul	sion								
P-232-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) + Ü (2) Module taught in: German and/or English						
	Method of ass	sessment	lf ann of one date). Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus						

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10-I=DRLOC-221-	Deep Reinforcement Learning for Optimal Control										
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			$(2) + \ddot{U}(2)$							
				le taught in: English							
	Method of as	sessment	writte	n examination (app	rox. 60 to 120 minute	S)	ination may be	replaced by an evel over instian			
			of one	e candidate each (a	oprox. 20 minutes) or	an oral examination in groups	of 2 candidates	replaced by an oral examination s (approx, 15 minutes per candi-			
			date).	of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus							
10-LURI=GRF-	Orbital Mech	anico	creat								
M-232-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numorical grado	Modul level	graduate			
	Courses		V (4) +			numencal glade	Modul level	glauuate			
		coccmont			pprox. 60 to 120 minu	ites) or					
	Method of as	565511611				presentation (30 to 45 minute	s) and subsequ	ent discussion on the topic)			
								replaced by an oral examination			
				f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- ate).							
				able for bonus							
10-LURI=S-	Space Dynan	nics									
D-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			$V(2) + \ddot{U}(2)$							
			Module taught in: English								
	Method of as	sessment	written examination (approx. 90 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination								
			of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-								
			date).	date).							
				Language of assessment: English creditable for bonus							
10-LURI=AS-	Advanced Se	nsory Syst		d Sensor Data Proc	ossing						
S-202-m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	Duratio			Method of grading	numencai grade	Modulievei	graduate			
	courses			V (2) + Ü (2) Module taught in: German and/or English							
	Method of as	sessment	written examination (approx. 90 to 120 minutes)								
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
			of one date).		pprox. 20 minutes) or	an oral examination in groups	of 2 candidates	s (approx. 15 minutes per candi-			
					: German and/or Engl	ish					
				able for bonus	, 0,						

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10-LU-	Satell	Satellite Image processing										
RI=SBV-232-mo1	ECTS	10	Duratior	ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es			+ Ü (2)				_			
					le taught in: Germa							
	Metho	od of ass				prox. 60 to 120 minut urer at the beginning		n examination may be	replaced by an oral examination			
				ofone	e candidate each (a				s (approx. 15 minutes per candi-			
				date).		t. Cormon and for Eng	lich					
					Language of assessment: German and/or English creditable for bonus							
	Referr	ed to in l	LPO I	§ 22	l Nr. 3 b)							
10-LURI=SL-		ted Topic	s in Aeros	space (	Computing							
R-232-m01	ECTS	5	Duratior		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				(2) + Ü (2) Iodule taught in: German and/or English							
	Method of assessment			<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>								
<b>Robotics and Teler</b>	natics (	20 ECTS	credits)									
10-LU-	Robotics 1											
RI=R01-232-m01	ECTS	5	Duratior		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		V (2) + Ü (2) Module taught in: German and/or English								
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Additi	onal Info	ormation	Focus	es available for stu	udents of the Master's	programme Informatik	(Computer Science, 12	o ECTS credits): KI, ES, LR, HCI, GE			
	Referr	ed to in l	LPO I	§ 22	l Nr. 3 b)							

10-LU-	Robotics 2										
RI=R02-232-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			(4) + Ü (2) + P (1) Nodule taught in: German and/or English						
	Method of assessment			If ann of one date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus						
	Additional Information					dents of the Master's	programme Informatil	k (Computer Science, 120	o ECTS credits): KI, ES, LR, HCI, GE		
		d to in l		-	l Nr. 3 b)						
10-LU-			Nobile Sy								
RI=AMS-232-mo1	ECTS 10 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				+ Ü (2) Ile taught in: Germai	n and/or English					
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, KI, ES, LR, GE						
	Referre	d to in l	LPO I	§ 22	§ 22 II Nr. 3 b)						
10-LU-	3D Poir	nt Clouc	d Processi	ing							
RI=3D-202-m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) + Ü (2) Module taught in: German and/or English							
	Method	l of ass	essment	If ann of one date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus						

10-LURI=PHO-	Photogrammetric Machine Vision									
TO-232-m01	ECTS	5 5	Duratio	n	1 semester	Method of grading num	nerical grade	Modul level	graduate	
	Cour	ses	;		V (2) + Ü (2) Module taught in: German and/or English					
				If ann of on date) Langu credit	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus					
	Refe	rred to	in LPO I	§ 22	l Nr. 3 b)					
10-I=TSD-232-m01			nication Sys	tems		<u>.</u>				
	ECTS 10 Duratio				1 semester	Method of grading num	nerical grade	Modul level	graduate	
	Cour				/ (4) + Ü (2) Module taught in: German and/or English					
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus						
	Addi	tional I	nformation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR						
	Refe	rred to	in LPO I	§ 22	§ 22 II Nr. 3 b)					
10-LURI=SR-	Sele	cted To	pics in Robo	tics and Telematics						
T-232-m01	ECTS	5 5	Duration		1 semester	Method of grading num	nerical grade	Modul level	graduate	
	Cour	ses			V (2) + Ü (2) Module taught in: German and/or English					
	Meth	nod of a	issessment	b) pro c) ora d) ora Langu	<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>					

10-I=RRS-222-m01	Remote Sensi	ng								
	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) + Ü (2) Module taught in: German and/or English						
	Method of ass		If ann of one date). Langu credit	written examination (approx. 60 to 120 minutes) f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). .anguage of assessment: German and/or English creditable for bonus						
	Additional Info	ormation	possil	ole majors for MA 12	o Computer Science	e: LR,IN				
10-l=QC-221-m01	Quantum Com	municatio	ons							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			le taught in: English						
	Method of ass	sessment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus							
	Additional Info	ormation	Focus	es available for stud	lents of the Master's	programme Informatik (Comp	uter Science, 120	p ECTS credits): LR		
10-LURI=R-	Radar Signal Processing									
SP-232-m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			le taught in: Germar						
	Method of ass	sessment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
Practica Aerospace	Computer Scie	ence (20 E	CTS cre	edits)						
10-LURI=R-	Space System	s Design								
SE-232-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		R (8) Modu	le taught in: Germar	n and/or English					
	Method of ass	sessment	Langu	age of assessment:	German and/or Eng	on of project (15 to 30 minutes) lish the course is offered				

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Individual construction       Production       Productin       Production       P	10-LURI=EP-	Design of Plan	Design of Planetary Bases and Orbital Stations									
Module taught in: German and/or English         Method of assessment       project report (to to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment and/or English         10-LU- RI=PRT-232-m01       Pratical course - Space Technology         ECTS       10       Duration       1 semester         Method of assessment       Isemester       Method of grading       numerical grade       Modul level       graduate         Courses       P(8)       Module taught in: German and/or English       Module taught in: German and/or English       Image of assessment       Image of assessment       Image of assessment         10-LURI=FZ- B-232-m01       Aircraft Construction       2 semester       Method of grading       numerical grade       Modul level       graduate         10-LURI=FZ- SIM-232-m01       Fight Simulator       2 semester       Method of grading       numerical grade       Modul level       graduate         10-LURI=FZ- SIM-232-m01       Fight Simulator       2 semester       Method of grading       numerical grade       Modul level       graduate         10-LURI=F2- SIM-232-m01       Fight Simulator       2 semester       Method of grading       numerical grade       Modul level       graduate         10-LURI=F2- SIM-232-m01       Fight Simulator       2 semester       Method of grading       nume	B-232-m01	ECTS 10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
10-LU-RI=PRT-232-mo1       Pratical course - Space Technology         10-LU-RI=F-SIM-232-mo1       Pratical course - Space Technology         10-LURI=F-SIM-232-mo1       Pratical course - Space Technology         10-LURI=F-TET-232-mo1       Aircraft Construction         10-LURI=F-TET-232-mo1       Aircraft Construction         10-LURI=F2-BI-232-mo1       R (8) Module taught in: German and/or English Method of assessment         10-LURI=F-SIM-232-mo1       Fight Simulator         10-LURI=F2-BI-232-mo1       Piget Construction         10-LURI=F2-BI-232-mo1       Piget Construction         10-LURI=F2-BI-232-mo1       Piget Simulator         10-LURI=F2-BI-232-mo1       Piget Simulator         2       2       Semester         2       Semester       Method of grading numerical grade         3       Module taught in: German and/or English         3 <td></td> <td>Courses</td> <td></td> <td></td> <td colspan="6"></td>		Courses										
RI=PRT-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Method of assessment:       placement report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English         10-LURI=FZ- B-232-m01       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Modul level       graduate       graduate         Courses       R (8) Module taught in: German and/or English       metrical grade       Modul level       graduate         10-LURI=F- SIM-232-m01       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Fight Simulator       graduate       graduate       graduate       graduate         Courses       R (8) Module taught in: German and/or English       Modul level       graduate       graduate         Courses       R (8) Module taught in: German and/or English       Modul level       graduate       graduate       graduate		Method of ass	essment	Langu	Language of assessment: German and/or English							
Low of the production of the productin the production of the production		Practical cours										
Module taught in: German and/or English         Method of assessment       placement report (to to 15 pages) and presentation of results (15 to 30 minutes)         10-LURI=FZ-       Aircraft Construction         B-232-m01       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       metrical construction       Fight Simulator       Fight Simulator         10-LURI=F- SIM-232-m01       Fight Simulator       zemester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Fight Simulator       zemester       Method of grading       numerical grade       Modul level       graduate         10-LURI=F- SIM-232-m01       Fight Simulator       zemester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       module taught in: German and/or English       Modul level       graduate         10-LURI=P- TEL-232-m01       Project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English       anguage of assessment: German and/or English         10-LURI=P- TEL-232-m01       Proticat Roboti	RI=PRT-232-m01	ECTS 10	Duratio	n	1 semester	graduate						
Inclusion       Language of assessment: German and/or English         10-LURI=FZ- B-232-mo1       Aircraft Construction         ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       method of assessment       project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English         10-LURI=F- SIM-232-mo1       Flight Simulator       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Interview of assessment: German and/or English       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Interview of assessment: German and/or English       Interview of assessment: German and/or English         10-LURI=P- TEL-232-mo1       Practical Robotics and Telematics       Interview of assessment: German and/or English       Interview of assessment: German and/or English         10-LURI=P- TEL-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Module		Courses			le taught in: Germa	an and/or English						
B-232-mo1       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Method of assessment       project report (to to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English       Image: Certification of project (15 to 30 minutes)         10-LURI=F- SIM-232-mo1       Flight Simulator       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Nodul level       graduate       graduate         Courses       R (8) Module taught in: German and/or English       Method of assessment:       Project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus       Image: Graduate       Modul level       graduate         10-LURI=P- TEL-232-mo1       Practical Robotics and Telematics       Image: Graduate       Image: Graduate       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Modul level       graduate       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Modul level       graduate       Modul level       graduate         Cou							utes)					
10       Duration       12       Duration       Protected       Intended of grading       Intended of grad		Aircraft Constr	uction									
Module taught in: German and/or English         Method of assessment:       project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus         10-LURI=F-       Flight Simulator         SIM-232-mo1       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8)       Module taught in: German and/or English       metrical grade       Modul level       graduate         10-LURI=P-       TEL-232-mo1       Practical Robotics and Temptonics       project report (10 to 15 pages) and presentation of project (15 to 30 minutes)       Language of assessment: German and/or English         10-LURI=P-       TEL-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         TEL-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8)       Module taught in: German and/or English       Modul level       graduate       Modul level       graduate         Module taught in: German and/or English       Modul taught in: German and/or English       Modul level       graduate       Modul l	B-232-m01	ECTS 10	Duratio		2 semester	Method of grading numerical grade	Modul level	graduate				
10-LURI=F- SIM-232-m01       Flight Simulator         2 Semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Method of grading       numerical grade       Modul level       graduate         10-LURI=P- TEL-232-m01       Practical Robotics and Telematics ECTS       project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus         10-LURI=P- TEL-232-m01       Practical Robotics and Telematics ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Modul level       graduate       Modul level       graduate         Method of assessment       Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on t			_	Modu	lodule taught in: German and/or English							
SIM-232-mo1       ECTS       10       Duration       2 semester       Method of grading       numerical grade       Modul level       graduate         Courses       R (8) Module taught in: German and/or English       Module taught in: German and/or English creditable for bonus       Project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English       Image: Courses       Practical Robotics and Telematics         10-LURI=P- TEL-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Modul level       graduate       Modul level       graduate         Method of assessment       Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on t Language of assessment: German and/or English		Method of ass	essment	Langu	Language of assessment: German and/or English							
Image: Second State in the initial of the initial state in the initial of grading indifference in the initial state initis state initialized state initis initial state												
Module taught in: German and/or English         Method of assessment:       project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus         10-LURI=P- TEL-232-m01       Practical Robotics and Telematics         ECTS       10       Duration       1 semester         Method of assessment:       P (8) Module taught in: German and/or English       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Module taught in: German and/or English       Interview of assessment: German and/or English	SIM-232-m01	ECTS 10 Duratio			2 semester	Method of grading numerical grade	Modul level	graduate				
10-LURI=P- TEL-232-mo1       Practical Robotics and Telematics         ECTS       10       Duration       1 semester         Module taught in: German and/or English       Module taught in: German and/or English         Method of assessment       Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on t Language of assessment: German and/or English		Courses		Module taught in: German and/or English								
TEL-232-mo1       ECTS       10       Duration       1 semester       Method of grading       numerical grade       Modul level       graduate         Courses       P (8) Module taught in: German and/or English       Module taught in: German and/or English       Figure 100 (30 to 45 minutes) and subsequent discussion on the tauguage of assessment: German and/or English		Method of ass	essment	Language of assessment: German and/or English								
Courses       P (8) Module taught in: German and/or English         Method of assessment       Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on t Language of assessment: German and/or English		Practical Robo	tics and 1	Telema	tics							
Module taught in: German and/or English           Method of assessment         Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on t           Language of assessment: German and/or English	TEL-232-m01	ECTS 10	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
Language of assessment: German and/or English		Courses										
10.111RI=TD. Team Design Project		Method of ass	essment		Report on practical course (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic Language of assessment: German and/or English							
	10-LURI=TD-	Team Design P	roject									
P-232-m01 ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate	P-232-m01	ECTS 10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
Courses R (8) Module taught in: German and/or English		Courses		Modu								
Method of assessmentproject work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the top Language of assessment: German and/or English		Method of ass	essment				i) and subseque	nt discussion on the topic)				

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10-LURI=FD-	FloatS	at Desig	n Lab							
W-232-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	es		R (8) Modu	le taught in: Germa	n and/or English				
	Metho	d of ass	essment	Practical project: development, construction and presentation of a satellite control system (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) Language of assessment: German and/or English						
10-I=TEL-232-m01	Teleco	mmunic	ation Sys	tems L	iems Lab					
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	25		R (8) Modu	R (8) Module taught in: German and/or English					
	Metho	d of ass	essment	a) oral examination of one candidate each (approx. 20 minutes) or b) oral examination in groups (max. 3 candidates, approx. 15 minutes each) or c) report (4 to 8 pages) Language of assessment: German and/or English						
	Additio	onal Info	ormation	Focus	es available for stu	dents of the Master's	programme Informatik (Comp	uter Science, 12	o ECTS credits): LR	
10-LU-	Embed	ded Sys	stems in F	Robotic	s and Space Techn	ology				
RI=ESRR-232-mo1	ECTS 10 Duratio			n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	25		R (8) Module taught in: German and/or English						
	Method of assessment			Practical project: development, construction and presentation of an embedded system (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) Language of assessment: German and/or English						
10-I=IPW-232-m01	Interna	ational I	Project Wo	orksho	р					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	25		R (6) Modu	le taught in: Englisl	n				
				a) written examination (approx. 60 to 90 minutes) or b) practical project (project documentation (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussi- on on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: English						
	Additio	onal Info	ormation	Project will be block taught, 4 - 6 weeks						

Computer Science	and App	lication	s (15 ECT	5 credi	its)						
10-l=AG-161-m01	Compu	tationa	l Geometi	ŷ							
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	•	V (2)	+ Ü (2)			·			
	Methoc	l of ass	essment	lf ann of on date) Langu	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	ormation		ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): NT,HCI,GE						
10-I=DB2-212-m01	Databa	ses 2									
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				+ Ü (2)	•		÷	•		
	Method	d of ass	essment	lf ann of on date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examinati of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, KI, HCI							
10-l=DM-232-m01	Data So	cience									
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) + Ü (2)							
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus							
	Additio	onal Info	ormation								

10-I=APR-212-m01	Advanced Programming											
	ECTS	5	Duratior	n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2)								
	Method of assessment Additional Information			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES,GE,SEC								
10-I=SSS-212-m01	Security of Software Systems											
	ECTS 5 Duratio			n 1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2) Module taught in: Eng	glish							
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, KI, LR, HCI, ES, SEC								
10-I=A-	Algorit	hms fo	Geograp	hic Information System	ns							
GIS-212-m01	ECTS	5	Duratior	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) + Ü (2)								
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI,LR								

10-HCI=M-	Multimodal Us	ser Interfa	ces	ies						
MUI-161-m01	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) ·	+ Ü (2)						
	Method of ass	essment	prese	ntation of project re	sults (approx. 40 min	utes)				
			Language of assessment: German and/or English creditable for bonus							
	Additional Info			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI,GE.						
	Referred to in I		§ 22	§ 22 II Nr. 3 b)						
10-I=ES-161-m01	Embedded Sys	1				· · ·		· · · ·		
	ECTS 8	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		. 17	+ Ü (2)		<u>`</u>				
	Method of ass	essment			rox. 60 to 120 minute		ination may be	replaced by an oral examination		
								replaced by an oral examination s (approx. 15 minutes per candi-		
			date).					approx. If initiates per current		
			Language of assessment: German and/or English							
				able for bonus						
	Additional Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,ES,LR,GE						
	A		AI,SE							
10-l=Kl1-212-m01	Artificial Intell	- <u></u>				• • •				
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			+ Ü (2)						
	Method of ass	essment		written examination (approx. 60 to 120 minutes)						
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-						
			date).							
			Language of assessment: German and/or English							
			creditable for bonus							
	Additional Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,HCI							
10-I=Kl2-212-m01	Artificial Intell			1						
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			+ Ü (2)						
	Method of ass	essment			rox. 60 to 120 minute					
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination						
			of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).							
					German and/or Engl	ish				
			credit	able for bonus	_					
	Additional Info	ormation	Focus	es available for stud	dents of the Master's	programme Informatik (Compu	iter Science, 120	o ECTS credits): AT,SE,KI,HCI,GE		

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10-I=LVS-232-m01	Performance Evaluation of Distributed Systems											
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	$(2) + \ddot{U}(2)$							
	Method	l of ass	essment	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Additional Information			AT,IT,	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE,IN							
	Referre			-	II Nr. 3 b)							
10-I=SB-212-m01	<u> </u>		hmarking									
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2)	+ Ü (2)							
				If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,ES,HCI,GE								
10-l=ST-232-m01	Discret	e Event	Simulati	on								
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)							
	Methoo	l of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,KI,ES,GE,IN								
				,,	L3,0L,IN							

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10-I=SNA-232-m01	Statis	stical N	etwork Ana	ork Analysis							
	ECTS	5	Duratio	n	1 semester	Method of grading numerica	al grade	Modul level	graduate		
	Cours	ses			+ Ü (2) Ile taught in: Englis	h					
	Moth	od of a	ssessment			prox. 60 to 120 minutes).					
				lf ann of one date). Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-						
			nformation			Idents of the Master's program	ne Informatik (Compu	iter Science, 12	o ECTS credits): IN		
10-I=MLN1-221-			arning for N	etwork	S 1						
m01	ECTS	5	Duratio		1 semester	Method of grading numerica	al grade	Modul level	graduate		
	Cours				V (2) + Ü (2) Module taught in: English						
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus							
	Addit	ional Ir	nformation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,HCI							
10-xtAl=CV-202-		uter Vi						-2			
m01	ECTS	5	Duratio		1 semester	Method of grading numerica	al grade	Modul level	graduate		
	Cours			V (2) + Ü (2) Module taught in: English							
	Meth	od of a	ssessment	Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date). Language of assessment: English creditable for bonus							

10-I=IP-222-m01	Image	Process	rocessing and Computational Photography									
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	_		/ (2) + Ü (2)							
					le taught in: English							
	Method	d of asse	essment			rox. 60 to 120 minute						
					announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
				date).								
				Langu	lage of assessment:	English						
			÷	credit	able for bonus							
		d to in L		-	l Nr. 3 b)							
10-I=PCV-232-m01	Practic	al Comp	outer Visio	on								
	ECTS 10 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses					.,						
					le taught in: German							
	Method	d of asse	essment				entation of results (15 to 30 min	utes) or				
						pprox. 60 to 120 min		nation may be i	replaced by an oral examination			
					of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
				date).	date).							
				Language of assessment: German and/or English creditable for bonus								
	A 1 1											
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI,LR;HCI								
10-I=PIP-232-m01					tational Photograph	-	Г	1				
	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R (8)	la taught in Corma	a and /or English						
	<b>NA</b> - 41				le taught in: German							
	Method	a of asse	essment			pprox. 60 to 120 min	entation of results (15 to 30 min	utes) or				
								nation may be i	replaced by an oral examination			
				ofone	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
				date).								
					lage of assessment: able for bonus	German and/or Eng	lisn					
				credit	able for borius							

10-I=AKA-232-m01	Selecte	ed Topic	s in Algor	rithms								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	s		V (2) -	+ Ü (2)			÷				
	Method	d of asse	essment	a) wri	a) written examination (approx. 60 to 120 minutes) or							
				<ul> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> </ul>								
					Language of assessment: German and/or English creditable for bonus							
				credit								
	Additio	onal Info	rmation		ses available for s	tudents of the Master's	programme Informatik (	Computer Science, 120	ECTS credits):			
				AT								
		d to in L	-	-	§ 22 II Nr. 3 b)							
10-I=AKT-232-m01								<u>.</u>				
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			• • •	+ Ü (2)							
	Method	d of asse	essment			(approx. 60 to 120 min						
					b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or							
				d) oral examination of one candidate each (approx. 20 minutes) of								
					Language of assessment: German and/or English							
				creditable for bonus								
	Additional Information			Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):							
				AT								
	Referre	d to in L	.PO I	§ 22 II Nr. 3 b)								
10-I=AK-	Selected Topics in Software Engineering											
SE-232-m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) ·	+ Ü (2)							
	Method	d of asse	essment			(approx. 60 to 120 min						
								minutes) and subsequ	ent discussion on the topic) or			
				c) oral examination of one candidate each (approx. 20 minutes) or								
				d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English								
					able for bonus							
	Additio	nal Info	rmation	Focus	es available for s	tudents of the Master's	programme Informatik (	Computer Science, 120	ECTS credits): SE.			
	Referre	d to in L	.PO I		l Nr. 3 b)		· - · ·	· · ·				

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10-I=A-	Selected Topics in IT Security										
KITS-232-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) + Ü (2) Module taught in: English							
	Methoo	l of ass	essment	<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: English</li> <li>creditable for bonus</li> </ul>							
	Additio	nal Info	ormation	Focus ES, S		tudents of the Master's	programme Informati	k (Computer Science, 12	o ECTS credits): SE, KI, LR, HCI,		
	Referre	d to in I	lpo i	§ 22	ll Nr. 3 b)						
10-I=AKIT-232-mo1		ed Topio	s in Inter	net Te	chnologies						
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	s		V (2) + Ü (2)							
				<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT.							
	Referred to in LPO I			§ 22 II Nr. 3 b)							
10-I=A-	Selected Topics in Intelligent Systems										
KIS-232-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2)	+ Ü (2)						
	Method	l of ass	essment	<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>							
				l cieui	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI						
	Additio	nal Info	ormation			tudents of the Master's	programme Informati	ik (Computer Science, 12	o ECTS credits): KI		

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10-I=A- KES-232-m01	Selected Topics in Embedded Systems										
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	Courses			$V(2) + \ddot{U}(2)$						
	Methoo	l of ass	essment	a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	ormation	Focus	es available for stu	dents of the Master's	programme Informatik (0	Computer Science, 12	o ECTS credits): ES.		
	Referre	d to in	LPO I	§ 22	l Nr. 3 b)						
10-I=AKL-	Selecte	d Topio	s in Aero	space	Engineering						
R-232-m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) ·	+ Ü (2)			·			
				<ul> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English creditable for bonus</li> </ul>							
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR.						
	Referre	d to in	LPO I	§ 22 II Nr. 3 b)							
10-I=AKH-	Selected Topics in HCI										
Cl-232-m01	ECTS	5	Duration	n	1 semester		• • •				
		)	Duration			Method of grading	numerical grade	Modul level	graduate		
	Course	S			+ Ü/S (2)	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) · a) wri b) pro c) ora d) ora Langu	+ Ü/S (2) tten examination (a oject work (report (a l examination of on l examination in gro	pprox. 60 to 120 min pprox. 20 pages) with e candidate each (ap	utes) or 1 presentation (30 to 45 n prox. 20 minutes) or dates (approx. 15 minutes	ninutes) and subsequ	graduate ent discussion on the topic) or		
	Course Method	s I of ass		V (2) - a) wri b) pro c) ora d) ora Langu credit	+ Ü/S (2) tten examination (a oject work (report (a l examination of on al examination in gro uage of assessment cable for bonus	pprox. 60 to 120 min pprox. 20 pages) with e candidate each (ap oups of up to 3 candio : German and/or Engl	utes) or 1 presentation (30 to 45 n prox. 20 minutes) or dates (approx. 15 minutes	ninutes) and subsequ s per candidate)	ent discussion on the topic) or		

10-I=AKII-232-m01	Selected Topi	ics in Com	puter S	outer Science					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		V (2) -	+ Ü/S (2)					
	Method of as:	sessment							
	Referred to in	LPO I	§ 22	l Nr. 3 b)					
10-LURI=AK-	Selected Topi	ics in Phys	sics 1						
P1-232-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			+ Ü (2) le taught in: Germaı	n and/or English				
	Method of as:		<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>						
10-LURI=AK-	Selected Topics in Physics 2								
P2-232-m01	ECTS 8	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		Modu	V (4) + Ü (2) Module taught in: German and/or English					
	Method of as	sessment	<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>						
10-LURI=A-	Selected Topi	ics in Astr	onomy	nomy and Astrophysics					
KAA-232-m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		V (2) + Ü (2) Module taught in: German and/or English						
	Method of as:	sessment	<ul> <li>a) written examination (approx. 60 to 120 minutes) or</li> <li>b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or</li> <li>c) oral examination of one candidate each (approx. 20 minutes) or</li> <li>d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> <li>creditable for bonus</li> </ul>						

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Master Project Mo	dules (30	o ECTS c	redits)							
10-LURI-MA-	Concluding Colloquium Aerospace Computer Science									
MK-212-m01	ECTS	5	Duration	۱	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		K (o)	Κ(0)						
	Method of assessment			final colloquium (approx. 60 minutes) Language of assessment: German and/or English						
10-LURI-MA-202-	Master's Thesis Aerospace Computer Science									
m01	ECTS	25	Duration	۱	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			No courses assigned to module						
	Method of assessment			Master's thesis (50 to 100 pages) Language of assessment: German and/or English						
	Additional Information			Time	Time to complete: 6 months					