



## **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: 2021 Examination regulations version: 2021

Abbreviations used:	Course types: $\mathbf{E}$ = field trip, $\mathbf{K}$ = colloquium, $\mathbf{O}$ = conversatorium, $\mathbf{P}$ = placement/lab course, $\mathbf{R}$ = project, $\mathbf{S}$ = seminar, $\mathbf{T}$ = tutorial, $\ddot{\mathbf{U}}$ = exercise, $\mathbf{V}$ = 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: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = 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)):

### 28-Apr-2021 (2021-44)

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		Durati	ion	(in semesters)	Method of grading		Module level		
Courses				To be spe	ecified in the form X	(y) with course type 2	X abbreviated as specified abo	ove and number of we	ekly contact hours y	
	Method of as	ssessn	nent							
	Only after successful completion of			if applica	ble					
	Other prerequisites			if applicable						
	Participants and allocati- on of places		if applicable							
Additional information				if applicable						
	Referred to in	n LPO I		if applica	ble (examination re	gulations for teachin	g-degree programmes)			

Electives Field (90	ECTS credit	ts)							
Seminars (5 ECTS o	redits)								
10-Lu-	Seminar 1	- Current Top	ics in A	Aerospace Compute	r Science				
RI=SEM1-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		S (2)	(2)					
	Method o	fassessment	term Langı	paper (10 to 15 page uage of assessment	es) and presentation (3 : German and/or Engli	30 to 45 minutes) with subseq sh	uent discussior	n on the topic of the seminar	
10-Lu-	Seminar 2	e - Current Top	ics in <i>l</i>	Aerospace Compute	er Science				
RI=SEM2-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		S (2)						
	Method of assessment		term Langı	term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on the topic of the seminar Language of assessment: German and/or English					
Aerospace Comput	Aerospace Computer Science (20 ECTS credits)								
10-LURI=S-	Spacecra	t System Ana	ysis						
SA-202-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 ora of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minu date). Language of assessment: English creditable for bonus				replaced by an oral examination s (approx. 15 minutes per candi-		
10-LU-	Spacecra	t Propulsion							
RI=SP-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		V (2)	+ Ü (2)					
	Method o	fassessment	writte 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					

10-LURI=GRF-	Orbital Mechanics									
M-212-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (4) +	- Ü (2)						
	Method 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) 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=S-	Space Dynam	cs								
D-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) + Modu	V (2) + Ü (2) Module taught in: English						
	Method of ass	essment	written If anno of one date). Langu credita	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). Language of assessment: English creditable for bonus						
10-LURI=AS-	Advanced Sensory Systems and Sensor Data Processing									
S-202-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	essment	writter If anno of one date). Langu credita	n examination (app ounced by the lectu e candidate each (a age of assessment able for bonus	rox. 90 to 120 minutes Irer at the beginning of pprox. 20 minutes) or : German and/or Englis	) the course, the written an oral examination in ន្ sh	examination may be i groups of 2 candidates	replaced by an oral examination s (approx. 15 minutes per candi-		
10-LURI=IP-	Interplanetary	<b>Trajecto</b>	ries							
T-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) + Ü (2) Module taught in: English							
	Method of ass	essment	writter If anne of one date). Langu credita	vritten examination (approx. 90 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- late). .anguage of assessment: English creditable for bonus						

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10-LU-	Flugzeugavionik									
RI=FA-202-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	s		V (2) ·	/ (2) + Ü (2)					
	Methoo	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						
10-LURI=SL-	Selecte	ed Topio	s in Aero	space	Computing					
R-202-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (2) ·	⊦Ü (2)					
	Methoo	l of ass	essment	a) wri b) pro c) ora d) ora Langu credit	a) written examination (approx. 60 to 90 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					
Robotics and Teler	natics (2	o ECTS	credits)							
10-LU-	Roboti	CS 1					1			
RI=R01-202-III01	ECTS	8	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (4) - Modu	+ U (2) le taught in: Germa	in and/or English				
	Method of assessment			written examination (approx. 60 to 90 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per ca date). Language of assessment: German and/or English creditable for bonus					replaced by an oral examination s (approx. 15 minutes per candi-	
10-LU-	Roboti	CS 2					-			
RI=R02-202-m01	ECTS	8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		V (4) - Modu	V (4) + Ü (2) Module taught in: German and/or English					
	Method of assessment			written examination (approx. 60 to 90 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-LU-	Autonomous Mobile Systems									
RI=AMS-212-m01	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (4) - Modu	V (4) + Ü (2) Module taught in: German and/or English						
	Method of asse	essment	writte If ann of one 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						
10-LU-	3D Point Cloud	Process	ing							
RI=3D-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) - Modu	V (2) + Ü (2) Module taught in: German and/or English						
	Method of asso	essment	writte If ann of one 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						
10-I=TSD-212-m01	1 Telecommunication Systems							_		
	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		writte If ann of one date). Langu credit	n examination (app ounced by the lectu e candidate each (ap lage of assessment: able for bonus	rox. 90 to 120 minute rer at the beginning o oprox. 20 minutes) or English	rs) of the course, the written ( r an oral examination in gr	examination may be r roups of 2 candidates	replaced by an oral examination 6 (approx. 15 minutes per candi-		
	Additional Info	rmation	Focus	uses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR						
10-LURI=SR-	Selected Topic	s in Robo	otics an	d Telematics						
I-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	_	V (2) ·	+ Ü (2)						
	Method of asse	essment	a) wri b) pro c) ora d) ora Langu credit	tten examination (a ject work (report (aj l examination of ond l examination in gro lage of assessment: able for bonus	pprox. 60 to 90 minu oprox. 20 pages) with e candidate each (ap oups of up to 3 candio German and/or Engl	tes) or 1 presentation (30 to 45 m prox. 20 minutes) or dates (approx. 15 minutes ish	ninutes) and subsequ	ent discussion on the topic) or		

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10-I=RRS-212-m01	Radar Remote Sensing									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) - Modu	′ (2) + Ü (2) Aodule taught in: English						
	Method of ass	sessment	writte If ann of one date). Langu credit	ritten examination (approx. 90 to 120 minutes) announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination <sup>5</sup> one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- ate). anguage of assessment: English reditable for bonus						
	Additional Info	ormation	Focus	es available for stud	dents of the Master's	programme Informatik	(Computer Science, 120	DECTS credits): LR		
10-I=RFM-212-m01	RF & Microwa	ve System	S							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) - Modu	⊦ Ü (2) le taught in: English	I			_		
	Method of assessment		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). Language of assessment: English creditable for bonus							
Practica Aerospace	Computer Scie	ence (20 E	CTS cre	edits)						
10-LURI=R-	Space System	s Design								
SE-212-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		R (6)							
	Method of assessment		project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered							
10-LURI=EP-	Design of Plar	netary Bas	es and	Orbital Stations						
B-212-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		R (6)							
	Method of assessment		project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered							
10-LU-	Practical cour	se - Rocke	et Engir	eering and Payload	ls					
RI=PRT-212-mo1	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		P (6)							
	Method of ass	essment	placement report (4 to 5 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English							

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10-LURI=FZ-	Aircraft	t Constr	uction							
B-202-m01	ECTS	10	Duratio	n	2 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		R (6)						
	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 S	Simulato	or							
SIM-202-m01	ECTS 10 Duratio		n	2 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		R (6)						
	Method of assessment			proje Langu credit	ct report (10 to 15 pa lage of assessment able for bonus	ages) and presentation of project (15 to 30 min : German and/or English	utes)			
10-LURI=P-	Practic	al Telen	natics							
TEL-202-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		P (6)						
	Method of assessment		essment	Repoi Langi	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 D	Design P	roject							
P-202-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		R (8) Module taught in: English							
	Method of assessment		project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) Language of assessment: English							
10-LURI=FD-	FloatSa	at Desig	n Lab							
W-202-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		R (8) Modu	le taught in: Englis	1				
	Method of assessment			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: English						
10-I=TEL-212-m01	Telecor	mmunic	ation Sys	tems L	.ab					
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (2) + P (4) Module taught in: English						
	Method of asse			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: English						
	Additio	onal Info	rmation	Focus	es available for stu	dents of the Master's programme Informatik (C	omputer Science, 12	o ECTS credits): LR		
Master's with 1 major Ae	rospace Con	nnuter Scie	nce (2021)			IMII Wiirzburg • generated 10	o-Anr-2025 • exam, reg. data i	record 88 f25 - - H 2021 page 8 / 16		

10-I=RSL-212-m01	Radar Systems Lab										
	ECTS 5 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	es		V (2) -	(2) + P (4)						
				Modu	Module taught in: English						
	Metho	od of ass	essment	a) wri	written examination (approx. 90 to 120 minutes) or						
				b) rep   If ann	) report (4 to 8 pages) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination						
				ofone	f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- ate). anguage of assessment: German and/or English						
				date).							
				Langu							
	Additi	onal Info	ormation	Focus	es available for stu	dents of the Master's programme Informatik	(Computer Science, 120	o ECTS credits): SEC			
Computer Science	(15 ECT	S credits	;)								
10-I=AG-161-m01	Comp	utationa	l Geometi	r <b>y</b>							
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	es		V (2) -	V (2) + Ü (2)						
	Metho	od 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						
				date)	a one candidate each (approx. 20 minutes) of an oral examination in groups of 2 candidates (approx. 15 minutes per candi- late).						
				Langu	anguage of assessment: German and/or English						
				credit	reditable for bonus						
	Additi	onal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):							
		0	0	AI,HCI,GE							
10-I=DB2-212-m01	Datab	ases 2	<b>_</b>		· · ·						
	ECIS	5	Duratio	n I	1 semester	Method of grading numerical grade	Modul level	graduate			
	Cours	es	-	V (2) -	+ U (2)	<b>x</b>					
	Metho	od of ass	essment	writte	n examination (app	rox. 60 to 120 minutes)	on avamination may be	contacted by an availagemination			
				of one	e candidate each (a	ner at the beginning of the course, the white pprox_20 minutes) or an oral examination it	n groups of 2 candidates	s (approx, 15 minutes per candi-			
				date).	e culturate cuch (u						
				Langu	age of assessment	: German and/or English					
	Additi	onal Info	ormation	Focus	es available for stu	dents of the Master's programme Informatik	(Computer Science, 120	D ECTS credits): SE, KI, HCI			

10-I=AD-	Advar	Advanced Data Science												
SC-202-m01	ECTS 5 Duration		ı	1 semester	Method of grading n	umerical grade	Modul level	graduate						
	Cours	es		V (2) -	+ U (2)									
	Metho	od of asse	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										
10-I=APR-212-m01	Advar	Advanced Programming												
	ECTS 5 Duration			ı	1 semester	Method of grading n	umerical grade	Modul level	graduate					
	Cours	es		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 Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE KI LR, HCL										
				ES,GE,SEC										
10-I=SSS-212-m01	Security of Software Systems													
	ECTS	5	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	graduate					
	Cours	es		V (2) + Ü (2) Module taught in: English										
	Metho	od of asse	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: English creditable for bonus										
	Additional Information			Focus ES, SE	es available for stu EC	dents of the Master's p	rogramme Informatik (Compu	iter Science, 120	o ECTS credits): SE, KI, LR, HCI,					

10-I=A-	Algorithms	Algorithms for Geographic Information Systems										
GIS-212-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)								
	Method of	assessment	writte	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									
			date)	or one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- date)								
			Langi	anguage 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,KI,HCI,LR								
10-HCI=M-	Multimoda	l User Interfa	ices				<u>.</u>					
MUI-161-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		V (2)	+ Ü (2)								
	Method of	assessment	prese	ntation of project re	sults (approx. 40 min	iutes)						
			Langu	lage of assessment:	German and/or Engl	ish						
	Additional	Information	Focus	Circulable for students of the Master's programme Informatik (Computer Science, 420 ECTS credite), UCLCE								
	Referred to	in I PO I	§ 22    Nr. 3 b)									
10-1-ES-161-m01	Embedded Systems											
		Duratio	n	1 comostor	Mothod of grading	numerical grade	Modulloval	graduato				
	Courses	Duratio	V(t)			numencai giaue	Modulievei	giauuate				
	Mothod of	accoccmont	written examination (approx 60 to 120 minutes)									
	Method of	assessment	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).									
			Langu credit	Language of assessment: German and/or English								
	Additional	Information	Focuses available for students of the Master's programme Informatik (Computer Science, 120 FCTS credits).									
	radicionat	internation	AT,SE	AT,SE,ES,LR,GE								
10-l=Kl1-212-m01	Artificial In	telligence 1										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	•	V (2) -	+ Ü (2)								
	Method of	assessment	writte	n examination (app	rox. 60 to 120 minute	s)						
			lfann	ounced by the lectu	rer at the beginning o	of the course, the written exa	mination may be	replaced by an oral examination				
			of on	of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-								
			langi	Jage of assessment:	German and/or Engl	ish						
			credit	able for bonus								
	Additional	Information	Focus	es available for stu	dents of the Master's	programme Informatik (Com	puter Science, 120	o ECTS credits): AT,SE,KI,HCI				

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10-l=Kl2-212-m01	Artif	icial Inte	lligence 2								
	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cour	ses		V (2)	√ (2) + Ü (2)						
	Meth	nod of as	sessment	writte 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						
	Addi	tional In	formation	Focus	es available for stu	dents of the Master's	programme Informatik (Comp	outer Science, 120	> ECTS credits): AT,SE,KI,HCI,GE		
10-I=LVS-161-m01	Perfo	ormance	Evaluation	of Dis	tributed Systems			<u>.</u>			
	ECTS	5 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cour	ses		V (4) ·	+ Ü (2)						
	Method of assessment			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							
	Addı	tional in	ormation	AT,IT,GE							
10-I=SB-212-m01	Syst	ems Ben	chmarking	5							
	ECTS	5 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cour	ses		V (2) + Ü (2)							
	Meth	nod of as	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							
	Addi	tional In	formation	Focus SE,IT,	ses available for stu ES,HCI,GE	dents of the Master's	programme Informatik (Comp	outer Science, 120	) ECTS credits):		

10-I=ST-212-m01	Discrete Event Simulation												
	ECTS 8 Duration			Duratior	ו	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cou	rses			V (4) -	- 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).								
					Langu credit	Language of assessment: German and/or English creditable for bonus							
	Add	itiona	al Infoi	mation	Focus IT,KI,E	es available for stud S,GE	dents of the Master's programme Informatik (Comp	uter Science, 120	o ECTS credits):				
10-I=AKA-161-m01	Sele	Selected Topics in Algorithms											
	ECTS 5 Duration			Duratior	ו	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cou	rses			V (2) -	/ (2) + Ü (2)							
	Method of assessment				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								
	Add	itiona	al Infoi	mation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT								
10-I=AKT-161-m01	Sele	cted	Topics	s in Theo	ry								
	ECTS	5 5	5	Duratior	ו	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cou	rses			V (2) -	+ Ü (2)							
	Met	hod c	of asse	ssment	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				Focus AT	es available for stud	dents of the Master's programme Informatik (Comp	uter Science, 120	o ECTS credits):				

Master's with 1 r	major Aerospace (	Computer Science	(2021)
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10-I=AK-	Selected Topics in Software Engineering										
SE-161-m01	ECTS	5	Duratio	n 1 semester		Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	V (2) + Ü (2)						
	Metho	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	Focus	es available for stu	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): SE.			
10-I=A-	Select	ed Topic	s in IT Se	curity							
KITS-212-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	V (2) + Ü (2) Module taught in: English						
	Method of assessment			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=AKIT-161-m01	Select	ed Topic	s in Inter	net Te	chnologies						
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü (2)							
	Metho	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	Focus	es available for stu	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): IT.			

10-I=AKIS-212-m01	Selec	ted Topi	cs in Intel	ligent	Systems							
	ECTS	5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cours	es		V (2) ·	/ (2) + Ü (2)							
	Metho	od 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								
	Addit	ional Info	ormation	Focus	ses available for stu	dents of the Master's programme Informat	ik (Computer Science, 12	o ECTS credits): KI				
10-I=A-	Selec	Selected Topics in Embedded Systems										
KES-161-m01	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cours	es		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 candidate). Language of assessment: German and/or English creditable for bonus								
	Addit	ional Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.								
10-I=AKL-	Selec	ted Topi	cs in Aero	space	Engineering							
R-161-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Cours	es		V (2) + Ü (2)								
	Metho	od 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). Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus								
1	Auult	ionat inte	Jination	rocus	ses available for Slu	dents of the master's programme mormat	ik (computer Science, 12)	U ECTO LIBUILOJ: LK.				

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10-I=AKH-	Sele	Selected Topics in HCI											
Cl-182-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		V (2) -	√ (2) + Ü/S (2)								
	Meth	nod of ass	essment	written examination (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 Info	rmation	Focus	es available for stu	dents of the Master's	programme Informatik (Compu	iter Science, 120	o ECTS credits): HCI.				
10-I=AKII-182-m01	Sele	cted Topic	s in Com	outer S	cience								
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		V (2) -	+ Ü/S (2)								
	Metr			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									
Master Project Mod	dules	(30 ECTS (	redits)										
10-LURI-MA-	Concluding Colloquium Aerospace Computer Science												
MK-212-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		К (о)									
	Meth	od of ass	essment	final colloquium (approx. 60 minutes) Language of assessment: German and/or English									
10-LURI-MA-202-	Mast	ter's Thes	is Aerosp	ace Co	mputer Science								
m01	ECTS	25	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cour	ses		No co	urses assigned to m	nodule							
	Method of assessment		Maste Langu	er's thesis (50 to 100 lage of assessment:	o pages) : German and/or Engl	ish							
	Addi	tional Info	rmation	Time	to complete: 6 mont	ths							