

## **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

Abbreviations used: Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V** 

= lecture

Term: **SS** = summer semester. **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB

= list of modules

Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)

Conventions for the Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

modules in this SFB: ditable for bonus.

Information on Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the meassessment procedures: 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.

Examination regulations version: 2020

Examination regulations version: 2020

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

## ASP02015

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

## 16-Sep-2020 (2020-83)

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 o		l if applica	if applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants and allocation of places		cati- if applica	if applicable							
	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	ECTS c	redits)										
Seminars (5 ECTS o	redits	)										
10-Lu-	Semi	nar 1 - Cu	rent Top	ics in A	cs in Aerospace Computer Science							
RI=SEM1-202-m01	ECTS 5 Duration		n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	ses		S (2)								
	Meth	od of asse	essment		paper (10 to 15 pages lage of assessment:			subsequent discussion	on the topic of the seminar			
10-Lu-	Semi	nar 2 - Cu	rrent Top	ics in A	Aerospace Computer	Science		'				
RI=SEM2-202-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	ses		S (2)								
	Method of assessment				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							
<b>Aerospace Comput</b>	er Scie	ence (20 E	CTS cred	its)								
10-LURI=S-	Spacecraft System Analysis											
SA-202-m01	ECTS 10 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				+ Ü (2) le taught in: English			•				
	Method of assessment			If ann of one date). Langu	e candidate each (ap	rer at the beginning oprox. 20 minutes) or	of the course, the writt		replaced by an oral examination s (approx. 15 minutes per candi-			
10-LU-	Space	ecraft Pro	pulsion									
RI=SP-202-m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours			_ ` ´	+ 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 candidate).  Language of assessment: German and/or English creditable for bonus								

10-LURI=GRF-	Orbita	Mecha	nics	1									
M-202-m01	ECTS	10	Duration	n 1 sem	ester	Method of grading	numerical grade	Modul level	graduate				
	Course	25		V (4) + Ü (2)				,					
	Metho	d of ass	essment		written examination (approx. 60 to 120 minutes)								
				If announce	f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination								
				date).	f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate).  anguage of assessment: German and/or English reditable for bonus								
				,									
10-LURI=S-	Space	Dynami	ics										
D-202-m01	ECTS	5	Duration	n 1 sem	ester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (2) + Ü (2) Module tauş	tht in Fnalic	h							
	Motho	d of acc	essment			orox. 90 to 120 minute	.c)		-				
	Metho	u 01 a55	essillelli					ten examination may be	replaced by an oral examination				
				of one candi	idate each (a	pprox. 20 minutes) or	an oral examination	in groups of 2 candidate	s (approx. 15 minutes per candi-				
				date).	ate). anguage of assessment: English								
				Language of creditable fo		: English							
10-LURI=AS-	Advan	rad San	sory Syst	ems and Sens		resing			-				
S-202-m01	ECTS	5	Duration			Method of grading	numerical grade	Modul level	graduate				
	Course		Daration	V (2) + Ü (2)		metriod or grading	numerical grade	moduliteret	] S. a. a. a. a.				
	Course	.5		Module taught in: German and/or English									
	Metho	d of ass	essment	written examination (approx. 90 to 120 minutes)									
				If announce	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination								
				date).	of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate)								
				,	assessment	: German and/or Engl	ish						
				creditable fo	creditable for bonus								
10-LURI=IP-	Interpl	anetary	Trajector	ies									
T-202-m01	ECTS	5	Duration	n 1 sem	iester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		V (2) + Ü (2) Module tauş	rht in. Englic	h							
	Matha	-l -£	essment				-)						
	Metho	a or ass	essment			prox. 90 to 120 minute		ten examination may be	replaced by an oral examination				
				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										
				creditable fo	צטווטט וכ								

10-LU-	Flugze	ugavion	ik			,						
RI=FA-202-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Mod	lul level	graduate		
	Course	S		V (2) +	Ü (2)					-		
	Method	d of ass		If anno of one date). Langua	vritten 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 candidate).  Language of assessment: German and/or English creditable for bonus							
10-LURI=SL-	Selecte	ed Topic	s in Aeros	space C	omputing							
R-202-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Mod	dul level	graduate		
	Course	S	,	V (2) +	Ü (2)	•	•	•				
				b) proj c) oral d) oral Langua	written examination (approx. 60 to 90 minutes) or by project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or by oral examination of one candidate each (approx. 20 minutes) or by oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) by canguage of assessment: German and/or English by creditable for bonus							
Robotics and Teler	<del>,                                      </del>		credits)									
10-LU-   RI=RO1-202-m01	Robotics 1											
KI=KU1-202-M01		8	Duration		1 semester	Method of grading	numerical grade	Mod	lul level	graduate		
	Courses			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 candidate).  Language of assessment: German and/or English creditable for bonus								
10-LU-	Roboti	CS 2						'				
RI=RO2-202-m01	ECTS	8	Duration	ı	1 semester	Method of grading	numerical grade	Mod	lul level	graduate		
	Course	S		$V(4) + \ddot{U}(2)$ 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 candidate).  Language of assessment: German and/or English creditable for bonus								

10-LU-	Advanced	Automation										
RI=AA-202-m01	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			/ (4) + Ü (2) Module 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 candidate).  Language of assessment: German and/or English creditable for bonus								
10-LU- RI=3D-202-m01	3D Point C	loud Process	ing	'			'					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	·		+ Ü (2) le taught in: Germar	n and/or English		·					
	Method of	assessment	If ann of one date). Langu	ounced by the lectu e candidate each (ap		f the course, the written e an oral examination in gr		replaced by an oral examination s (approx. 15 minutes per candi-				
10-LURI=TS-	Telecommunication System Design											
D-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	If ann of one date). Langu	ounced by the lectue candidate each (ap	pprox. 20 minutes) or	f the course, the written e		replaced by an oral examination s (approx. 15 minutes per candi-				
10-LURI=SR-	Selected 1	opics in Robo	otics ar	d Telematics								
T-202-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	<u>,                                      </u>	V (2) ·	+ Ü (2)								
	Method of	assessment	b) pro c) ora d) ora Langu	ject work (report (ar l examination of one l examination in gro	nation (approx. 60 to 90 minutes) or report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or on of one candidate each (approx. 20 minutes) or ion in groups of up to 3 candidates (approx. 15 minutes per candidate) essment: German and/or English nus							

Practica Aerospac	e Comput	ter Scie	nce (20 E	CTS cr	edits)							
10-LURI=R-	Space S	Systems	s Design									
SE-202-m01	ECTS	8	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		R (6)	(6)							
	Method	l of asse	essment	Langu	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 Planetary Bases and Orbital Stations											
B-202-m01	ECTS	8	Duratio	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	<u> </u>	-1	R (6)	•		•					
	Method	l of asse	essment	Langu	roject report (10 to 15 pages) and presentation of project (15 to 30 minutes) anguage of assessment: German and/or English assessment offered: In the semester in which the course is offered							
10-LU-	Practica	al cours	e - Rocke	t Engi	gineering and Payloads							
RI=PRT-202-m01	ECTS	5	Duratio	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			P (6)	,		•					
	Method of assessment					pages) and presentation of results (15 to 30 minutes German and/or English	)					
10-LURI=FZ-	Aircraft Construction											
B-202-m01	ECTS 10 Duration			1	2 semester	Method of grading   numerical grade	Modul level	graduate				
	Courses			R (6)	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	imulato	or									
SIM-202-m01		10	Duration	1	2 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	<u> </u>	•	R (6)								
	Method of assessment			Langu	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-	Practic	al Telen	natics									
TEL-202-m01	ECTS	10	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	1.	P (6)	•	<u>'</u>						
	Method	l of asse	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 D	esign I	Project										
P-202-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		R (8) Modu	R (8) Module taught in: English								
	Method	d of ass	essment		roject work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) anguage of assessment: English								
10-LURI=FD-	FloatSat Design Lab												
W-202-m01	ECTS 10 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			R (8) Modu	le taught in: Engl	ish							
	Method	d of ass	essment	20 pa	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								
<b>Computer Science</b>	(15 ECTS	ECTS credits)											
10-l=AG-161-m01	Compu	tationa	l Geometi	ry									
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2)	+ Ü (2)		,						
	Method of assessment			If ann of on 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 candidate).  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,HCI,GE									
10-I=DB2-161-m01	Databa	ses 2			,								
	ECTS	5	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course	S		V (2)	+ Ü (2)								
	Method	d of ass	essment	If 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 candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focus	es available for s	tudents of the Master's programme Informatik (	Computer Science, 12	o ECTS credits): SE, IS, HCI.					

10-l=AD-	Advand	ced Data	Science									
SC-202-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	25		V (2) ·	V(2) + U(2)							
	Method	d 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 candidate).  Language of assessment: German and/or English creditable for bonus							
10-I=APR-161-m01	Advand	ced Prog	gramming	•								
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (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 candidate).  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,IS,LR, HCI, ES,GE							
10-l=SSS-172-m01	Security of Software Systems											
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S			+ Ü (2) le taught in: Englis	h						
	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 candidate).  Language of assessment: English creditable for bonus								
	Additio	onal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IS, LR, HCI, ES. Basic programming knowledge in C is required.								

10-l=AGIS-161-m01	Algorit	hms for	Geograpi	hic Info	ormation Systems						
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) -	+ Ü (2)			•			
	Method	d of ass	essment	If ann of one date).	ounced by the lecti e candidate each (a	orox. 60 to 120 minutes urer at the beginning o upprox. 20 minutes) or :: German and/or Engli	f the course, the written exan an oral examination in group	nination may be s of 2 candidates	replaced by an oral examination s (approx. 15 minutes per candi-		
	Additio	nal Info			ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): T,IS,HCI						
10-HCI=M-	Multim	odal Us	al User Interfaces								
MUI-161-m01	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) -	+ Ü (2)			,			
	Method of assessment			presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI,GE.							
	Referre	d to in I	PO I	§ 22 l	§ 22 II Nr. 3 b)						
10-l=ES-161-m01	Embed	ded Sys	tems	,							
	ECTS	8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		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 candidate).  Language of assessment: German and/or English creditable for bonus							
	Additio	Additional Information			es available for stu ,ES,LR,GE	dents of the Master's	orogramme Informatik (Comp	outer Science, 120	o ECTS credits):		

10-l=Kl1-161-m01	Artificia	al Intel	ligence 1				1					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)							
	Method	d of ass	essment	If anr of on date) Langi	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 candidate).  Language of assessment: German and/or English creditable for bonus							
					ses available for stud ,IS,HCI	dents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits):				
10-l=Kl2-161-m01	Artificia	al Intel	ligence 2									
	ECTS	5	Duration	า	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (2)	(2) + Ü (2)							
	Method of assessment			If anr of on date) Langu credi	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							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI,GE								
10-l=LVS-161-m01	Perforn	nance E	valuation	of Dis	tributed Systems							
	ECTS	8	Duration	า	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (4)	+ 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 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): AT,IT,GE								

10-I=PEB-161-m01	Perforn	nance E	ngineerin	g & B	enchmarking of Cor	mputer Systems						
	ECTS	5	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (2)	V (2) + Ü (2)							
	Method	d of ass	essment	If anr of on date) Langi	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 candidate).  Language of assessment: German and/or English creditable for bonus							
				SE,IT,	ses available for stu ES,HCI,GE	udents of the Master's programme Informatik (Co	mputer Science, 120	o ECTS credits):				
10-I=ST-161-m01	Discret	e Event	Simulation	on								
	ECTS	8	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4)	+ Ü (2)							
	method of discessment			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 cand 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): IT,IS,ES,GE								
10-l=AKA-161-m01	Selecte	ed Topio	s in Algo	rithms			'					
	ECTS	5	Duration		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 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): AT								

10-I=AKT-161-m01	Selecte	ed Topic	s in Theo	ry			-					
	ECTS	5	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	$V(2) + \ddot{U}(2)$							
	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 candidate).  Language of assessment: German and/or English creditable for bonus								
				AT		dents of the Master's programme Informatik (Comp	outer Science, 120	o ECTS credits):				
10-I=AK-	Selecte	ed Topic	s in Softv	vare Er	ngineering							
SE-161-m01	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)							
				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 candidate).  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.								
10-l=A- KITS-172-m01			s in IT Se		· .		1.0 1.11 1					
K113-1/2-11101	ECTS Course	5 S	Duration	n 1 semester Method of grading numerical grade Modul level graduate  V (2) + Ü (2)  Module taught in: English								
	Method	d of ass		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 candidate).  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, IS, LR, HCI, ES.								

10-l=AKIT-161-m01	Selected Topics in Internet Technologies											
	ECTS 5 Duration		1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		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 candidate).  Language of assessment: German and/or English creditable for bonus								
	Addition	nal Infor	mation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT.								
10-l=AKIS-161-m01	Selected	d Topics	in Intell	igent Systems								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		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 candidate). 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): IS.								
10-l=A-	Selected Topics in Embedded Systems											
KES-161-m01	ECTS Courses		Duration	V (2) -	1 semester + Ü (2)	Method of grading	numerical grade	Modul level	graduate			
	Method	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 candidate).  Language of assessment: German and/or English creditable for bonus								
	Addition	nal Infor	mation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.								

10-l=AKL-	Selected Topics in Aerospace Engineering											
R-161-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			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). Separate written examination for Master's students. 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): LR.								
10-I=AKH-	Selecte	ed Topic	s in HCI									
Cl-182-m01	ECTS 5 Duration			ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + Ü/S (2)								
	method	a or assi	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 candidate).  Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI.								
10-l=AKII-182-mo1	Selected Topics in Computer Science											
	ECTS 5 Duration		ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2) +	· Ü/S (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 candidate).  Language of assessment: German and/or English creditable for bonus								
Master Project Mod	dules (3	ECTS o	credits)									
10-LURI-MA- MK-202-m01	Conclu	ding Co	lloquium	Aerospace Computer Science								
	ECTS 5 Duratio			1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			K (o)								
	Method	d of ass	essment	final colloquium (approx. 60 minutes) Language of assessment: German and/or English								

10-LURI-MA-202-	Master's Thesis Aerospace Computer Science										
mo1 ECTS 25 Duration 1 semester Meth						Method of grading	numerical grade	Modul level	graduate		
	Courses			No courses assigned to module							
	Method	d of asse		Master's thesis (50 to 100 pages)							
		L			Language of assessment: German and/or English						
	Additional Information			Time to complete: 6 months							