Study and Examination Plan

Robotics	and Intelligent Systems (RIS) BSc														
Matriculation Fal	12022														
	Program-Specific Modules	Туре	Assessment	Period	Status ¹	Sem.	СР		Jacobs Track Modules (General Education)	Туре	Assessment	Period	Status ¹	Sem.	СР
Year 1 - CHOI	CE						45								15
Take the mandatory	CHOICE modules listed below						15		Unit: Mathods / Skills						10
CH-220	Module: Introduction to Robotics and Intelligent Systems (default n	ninor)			m	2	7.5	JTMS-MAT-09	Module: Calculus and Elements of Linear Algebra I				m	1	5
CH-220-A	Introduction to Robotics and Intelligent Systems	Lecture	Written examination	Examination period			5	JTMS-09	Calculus and Linear Algebra I	Lecture	Written examination	Examination period			5
CH-220-B	Intro to RIS - lab Module: Algorithms and Data Structures	Lab			m	2	2.5	Module Code	Module: Calculus and Elements of Linear Algebra II Calculus and Linear Algebra II	Lecture	Written examination	Examination period	m	2	5
CH-231-A	Algorithms and Data Structures	Lecture	Written examination	Examination period		-	1.0	511110 10	cultures and Entern Augesta II	Lecture	Written Camination	Estamination period			
							30		Unit: Language						5
CH-230	Module: Programming in C and C++ (default minor)	Lastern	Weitten anneitertion	Empiration assist	m	1	7.5	Madula Cada	German is default language. Native German speakers take module	es in another	offered language.				25
CH-230-A CH-230-B	Programming in C and C++ Programming in C and C++ Tutorial	Tutorial	Practical assignments	During the semester			5	JTLA-xxx	Language 1	Seminar	Various	Various	me	-	2.5
CH-140	Module: Classical Physics				m	1	7,5		42 47						
CH-140-A	Classical Physics	Lecture	Written exam	Examination period			5	Malecal	M. J. L. T					-	2.5
CH-140-B CH-210	Module: General Electrical Engineering I	Lab	Lab report	During the semester	m	1	7.5	JTLA-xxx	Language 2	Seminar	Various	Various	me	- 2	2.5
CH-210-A	General Electrical Engineering I	Lecture	Written exam	Examination period		-	5								
CH-210-B	General Electrical Engineering Lab I	Lab	Lab report	During the semester			2.5								
CH-232	Module: Introduction to Computer Science		With	[m	2	7.5								
CH-232-A	introduction to Computer Science	Lecture	written examination	Examination period											
Tear 2 - CORE	ular listed below or replace mendatory elective ("me") moduler with the	alault minor ()	OPF modular of Computer Sc	nianca ²			45								15
Take all CORE mor	Unit: Robotics (default minor)	ejauli minor C	ORE mouties of Computer SC	cience.			15		Unit: Methods / Skills						10
CO-540	Module: Robotics				m	3	5	JTMS-MAT-12	Module: Probability and Random Processes				m	3	5
CO-540-A	Robotics	Lecture	Written examination	Examination period				JTMS-12	Probability and Random Processes	Lecture	Written examination	Examination period			5
CO-541	Module: Machine Learning		WE SHOW TO SHOW	P 1 2 11	m	4	5								
CO-541-A	Machine Learning Module: RIS Lab	Lecture	Written examination	Examination period	me	3.4	5	TIMS-MAT-13	Module: Numerical Methods				me	4	5
CO-542-A	RIS Lab 1	Lab	Lab Report	B 1 4	ше	3	2.5	JTMS-13	Numerical Methods	Lecture	Written examination	Examination period	me		5
CO-542-B	RIS Lab 2	Lab	Lab Report	 During the semester 		4	2.5	CO-501	Module: Discrete Mathematics				me	4	5
	Unit: Automation and Control						15	CO-501-A	Discrete Mathematics	Lecture	Written examination	Examination period			5
CO-543	Automation	I. t.	With a first	10 1 A 11	me	4	5		11-14-11-1						
CO-543-A	Automation Module: Embedded Systems	Lecture	written examination	Examination period	me	3	5		German is default language. Native German speakers take modules in another offered language.						
CO-544-A	Embedded Systems	Lecture/Lab	Project	During the semester				Module Code	Module: Language 3					3	2.5
CO-545	Module: Control Systems				me	3	5	JTLA-xxx	Language 3	Seminar	Various	Various	me		2.5
CO-545-A	Control Systems	Lecture	Written examination	Examination period			15	Madula Cada	Madulas Lanamana 4					-	25
CO-546	Module: Computer Vision				me	3	5	JTLA-xxx	Language 4	Seminar	Various	Various	me	-	2.5
CO-546-A	Computer Vision	Lecture/Lab	Written examination	Examination period					47 47						
CO-547	Module: Artificial Intelligence				m	4	5								
CO-547-A	Artificial Intelligence Module: BIS project	Lecture	Written examination	Examination period	m	4	5								
CO-548-A	RIS project	Project/Lab	Report / Presentation	During the semester						_					
Year 3 - CARE	ER						45					· · ·			15
	Module: Summer Internshin					_	_		Unit: Pia Questions						10
CA-INT-900		1.1.11	Report/Business Plan and			4/5	15		Madda Bar O and an					EK.	10
CA-IN1-900-0	Summer meenship	internsnip	Presentation	During the 5 Semester		-	15	JTBQ-BQ	moune: big Questions	X	¥7. 1	N/ ·	m	5/0	10
CA-RIS-800-T	Thesis IMS	Thesis		15 th of May	m	0	15	1 ake a total of 10	Unit: Community Impact Project	Lecture	various	various	me		5
CA-RIS-800-S	Seminar IMS	Seminar	Thesis and Presentation	During the semester			3	JTCI-CI-950	Module: Community Impact Project				m	5	5
	Unit: Specialization RIS				m	5/6	15	JTCI-950	Community Impact Project	Project	Project	Examination period			
Take a total of 15 C	P of specialization modules														
CA-S-RIS-801	Marine Robotics	Lecture/Lab	Oral examination	Examination period	me	6	5								
CS-S-RIS-802	Human-Computer Interaction	Lecture	Written examination	Examination period	me	5	5								
CS-S-RIS-803	Optimisation	Lecture	Written examination	Examination period	me	6	5								
CA-S-XXX Total CP	specialization elective (from CS, ECE, Math, IEM, DE study programs)	various	Various	Various	me	5/6	5			_			_		180
¹ Status (m = mand	atory, me = mandatory elective)				1										100
² For a full listing	of all CHOICE / CORE / CAREER / Jacobs Track modules please of	onsult the Can	npusNet online catalogue ar	nd /or the study program h	handbooks.										
3 For details pleas	e see the program handbook		Ŭ												