ACADEMIC MASTER'S STUDY PROGRAMME Geoinformatic and Remote Sensing
S t u d y   P l a n
FULL TIME STUDIES

N.	Code	Study Course	Department/ Institute/ Center Code	Volume KP	Type of Inspection	1.course 1.sem.	1.course 2.sem.	2.cpurse 3.sem.	2.cpurse 4.sem
		1. Compulsory courses		**42**		**20**	**18**	**4**	
1.1.	Valo1053	Latvian Language I	VALO	2	IA	2			
1.2.	BūvZ5037	Geodetic Reference Systems	ZIGE	3	IA	3			
1.3.	Ģeol5002	Geology and Soil Information	AAZI	3	IA	3			
1.4.	BūvZ5038	3D Modeling	ZIGE	3	IA		3		
1.5.	InfT5056	Information Technologies in Geoinformatics	VASI	4	E	4			
1.6.	BūvZ5039	Remote Sensing and Photogrammetry	ZIGE	4	E	4			
1.7.	BūvZ5044	Use of Geographic Information System Technologies	ZIGE	4	E	4			
1.8.	BūvZ5040	Development of Scientific Work	ZIGE	3	IA		3		
1.9.	TraZ5030	Transport Infrastructure and Logistics	ZIGE	3	IA		3		
1.10.	HidZ5026	Hydrological modeling	VIDE	3	IA		3		
1.11.	BūvZ5045	Development of Geoinformation Products and Works	ZIGE	4	E			4	
1.12.	BūvZ5046	Acquisition and Maintenance of Geoinformation Data	ZIGE	4	E		4		
1.13.	InfT5055	Geodata Management and Protection	DASI	2	IA		2		
		Specialization: Geoinformation Provision of Agriculture and Forestry							
		2. Restricted Elective Courses		**16**				**16**	
2.1.	LauZ5197	Cropping Systems	AAZI	4	E			4	
2.2.	LauZ5194	Animal Production Systems	DZZI	2	IA			2	
2.3.	LauZ5196	Harmful Organisms of Crops and their Monitoring	AAZI	2	IA			2	
2.4.	MežZ5052	Risk Management in Forestry	MEZK	4	IA			4	
2.5.	MežZ5053	Principles of Forests Science and Management	MEZK	4	E			4	
		Specialization: Spatial Land Administration							
		3. Restricted Elective Courses		**16**				**16**	
3.1.	JurZ5016	Sustainable Land Management	ZIGE	4	E			4	
3.2.	BūvZ5041	Geodata in Real Estate Cadastre	ZIGE	4	IA			4	
3.3.	BūvZ5053	Geoinformation for Sustainable Construction	ARBU	2	IA			2	
3.4.	Arhi5054	Spatial Development Planning	ZIGE	4	IA			4	
3.5.	BūvZ5047	Land Information Systems	ZIGE	2	IA			2	
		Specialization: Spatial Organization of Crisis Management							
		4. Restricted Elective Courses		**16**				**16**	
4.1.	BūvZ5048	Crisis Management	ZIGE	4	E			4	
4.2.	BūvZ5049	Application of Geoinformation in Forecasting the Origin of Crises	ZIGE	3	IA			3	
4.3.	BūvZ5050	Calculation and Preparation of Geoinformation Possibilities for Crisis Management Measures	ZIGE	3	IA			3	
4.4.	BūvZ5051	Crisis Management Period Geoinformation Products and Activities	ZIGE	3	IA			3	
4.5.	BūvZ5052	Activities of Geoinformation Specialists and Structures During Crisis Management	ZIGE	3	IA			3	
		5. State examinations: Master'sThesis		**22**			**2**		**20**
5.1.	BūvZ5042	Master's Thesis I	ZIGE	2	IA		2		
5.2.	BūvZ5043	Master's Thesis II	ZIGE	20	E				20

	Total	80		20	20	20	20

Number of courses and semesters according to the planned duration of the study program.

Types of examination: IA - test with a mark, E - exam

If the master student has not acquired the requirements specified in the Environmental Protection Law and the Civil Protection Law in the lower level study program, he/she acquires it in addition to the master's study program.

LLU will offer the following study courses:

Citi4031 Labor and Civil Protection 1 CP;

VidZ3046 Ecology and Environmental Protection 1 CP