

Faculty **Environmental Engineering and Spatial Management**  
 Course: **Geo-information science, Earth observation and spatial management**

Subject/module	Number of ECTS credits	teaching hours			assessment <sup>2</sup>
		lectures	pract. classes	others <sup>1</sup>	
<b>semester 1</b>					
student's choice course 1	6	15	35	0	EX
Principles of field spectroscopy	4	14	10	0	EX
Municipal economy	4	30	15	0	GA
Modern techniques of visualization and inventory of technical infrastructure objects	4	15	15	0	GA
student's choice course 2	4	15	15	0	GA
Geoprocessing	5	15	20	0	EX
<b>total semester 1</b>	<b>27</b>	<b>104</b>	<b>110</b>	<b>0</b>	
<b>semester 2</b>					
Passive Earth Observations: new platforms, sensors and approaches	6	26	45	0	EX
Environmental economics and bioeconomics	4	14	15	0	EX
student's choice course 3	4	15	15	0	GA
UAV mission practical exercise - part 1	2	0	0	8	GA
student's choice course 4	4	9	15	0	GA
student's choice course 5	4	15	15	0	GA
<b>Seminars</b>	<b>4</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>GA</b>
<b>total semester 2</b>	<b>28</b>	<b>89</b>	<b>105</b>	<b>8</b>	
<b>semester 3</b>					
student's choice course 6	3	15	15	0	GA
Landscape geochemistry	4	15	15	0	EX
ESA & NASA Earth Observation programmes and databases	4	20	0	0	EX
Application of Geo-informatics to natural hazards to mapping and monitoring	6	20	40	0	EX
student's choice course 7	3	15	15	0	GA
student's choice course 8	3	15	15	0	GA
<b>Seminars</b>	<b>5</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>GA</b>
<b>total semester 3</b>	<b>28</b>	<b>100</b>	<b>125</b>	<b>0</b>	
<b>semester 4</b>					
student's choice course 9	4	15	18	0	EX
UAV mission practical exercise - part 2	2	0	0	7	GA
student's choice course 10	3	15	15	0	GA
Spatial planning of functional areas	3	15	15	0	EX
<b>Seminars</b>	<b>5</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>GA</b>
<b>total semester 4</b>	<b>17</b>	<b>45</b>	<b>73</b>	<b>7</b>	
<b>Master thesis</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>total semester 1-4</b>	<b>120</b>	<b>338</b>	<b>413</b>	<b>15</b>	

<sup>1</sup> any activities other than conversatory, laboratory or design classes (e.g. siite visits, case ctudy visits, excursions and others)

<sup>2</sup> EX - examination; GA - graded assignment