I.4. Idegen nyelven (is) tervezett képzés - *tantervi táblázat*

circles of knowledge and subjects *responsibles*	semesters				credits	assessment (collocvium (coll) / midterm grade (mg)/other)
	1.	**2.**	**3.**	**4.**		
	no. of lessons <u>per semester</u> type of lesson (lecture / practical / consultation)/*credits*					
circle of knowledge of core material						
Circle of knowledge of basics of natural sciences - responsible: **Dr. habil. Földváry Lóránt** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Geomatemathics *Prof. Dr. Tar József Kázmér*	28lec /2cr 28prac /2cr				*4*	coll
2. Geostatistics *Dr. habil. Földváry Lóránt*	28lec /2cr 28prac /2cr				*4*	coll
3. Modeling of environmental processes *Verőné Dr. Wojtaszek Malgorzata*		14lec /1cr 42prac /3cr			*4*	mg
Circle of knowledge of economic, legal and human knowledge - responsible: **Dr. Takácsné Prof. Dr. habil. György Katalin** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Business Economics *Dr. Takácsné Prof. Dr. habil. György Katalin*	28lec /2cr 14prac /1cr				*3*	mg
2. Data protection, data policy *Prof. Dr. Rajnai Zoltán*	28lec /2cr 14prac /1cr				*3*	mg
3. GIS applications in spatial planning *Dr. Udvardy Péter*			14lec /1cr 42prac /3cr		*4*	mg
Circle of knowledge of photogrammetry - responsible: **Dr. habil. Jancsó Tamás** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Digital photogrammetry *Dr. habil. Jancsó Tamás*	28lec /cr 42prac /3cr				*5*	coll
2. Application of UAV technology *Dr. habil. Jancsó Tamás*		28lec /2cr 42prac /3cr			*5*	coll
Circle of knowledge of remote sensing - responsible: **Verőné Dr. Wojtaszek Malgorzata** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Remote sensing and its applications *Verőné Dr. Wojtaszek Malgorzata*			28lec /2cr 28prac /2cr		*4*	coll

Subject					cr	exam
2. Earth observation and advanced analysis of spatial data *Verőné Dr. Wojtaszek Malgorzata*				28lec /2cr 42prac /3cr	**5**	coll
Circle of knowledge of data science - responsible: **Nagyné Dr. Hajnal Éva** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Data science *Dr. habil. Orosz Gábor Tamás*		28lec /2cr 42prac /3cr			**5**	coll
2. Data mining *Nagyné Dr. Hajnal Éva*			28lec /2cr 42prac /3cr		**5**	coll
Circle of knowledge of data collection - responsible: **Dr. Szücs László** degree of theoretical or <u>practical</u> nature, "training character": 50 (credits%)						
1. Spatial data collection *Dr. Szücs László*	28lec /2cr 42prac /3cr				**5**	coll
2. Geomatics *Dr. habil. Földváry Lóránt*		42lec /3cr 28prac /2cr			**5**	coll
Circle of knowledge of mapping - responsible: **Dr. Pődör Andrea** degree of theoretical or <u>practical</u> nature, "training character": 50 (credits%)						
1. Informatics in cadastre *Dr. Tóth Zoltán*			28lec /2cr 28prac /2cr		**4**	coll
Circle of knowledge of GIS development - responsible: **Dr. Pődör Andrea** degree of theoretical or <u>practical</u> nature, "training character": 70 (credits%)						
1. Data integration *Dr. habil. Orosz Gábor Tamás*		14lec /1cr 56prac /4cr			**5**	mg
2. GIS project management *Dr. Pődör Andrea*				28lec /2cr 42prac /3cr	**5**	coll
Circle of knowledge of programming - responsible: **Dr. Tóth Zoltán** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. GIS programming *Dr. Nagy Gábor József*	28lec /2cr 42prac /3cr				**5**	mg
2. Programming of GIS systems *Dr. Tóth Zoltán*		28lec /2cr 42prac /3cr			**5**	coll
Circle of knowledge of storage and modeling of spatial data - responsible: **Dr. habil. Molnár András** degree of theoretical or <u>practical</u> nature, "training character": 60 (credits%)						
1. Spatial databases *Dr. habil. Molnár András*			28lec /2cr 42prac /3cr		**5**	mg
2. Digital terrain modeling *Dr. Pődör Andrea*			28lec /2cr 28prac /2cr		**4**	mg
in the core material altogether	**196 lec 210 prac 29 cr**	**154 lec 252 prac 29 cr**	**154 lec 210 prac 26 cr**	**56 lec 84 prac 10 cr**	**94 cr**	**13 coll. 8 mg.**
thesis				70cons./20kr	**20**	report final exam

in the major so far altogether	196 lec 210 prac	154 lec 252 prac	154 lec 210 prac	56 lec 84 prac 70 cons	114 cr	13 coll. 1 report 8 mg.
	29 cr	29 cr	26 cr	30 cr		

optional (according to the training and output requirements of the given course, 5% of the total credits)

ensuring the choice, the possibilities of admission, practice in the course: in the higher education institution / faculty, the subjects advertised below are optional subjects with a minimum value of **6 credits**						
GIS application development *Dr. Nagy Gábor József*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Geovisualization *Dr. Pődör Andrea*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Modern GIS instruments Prof. Dr. Györök György				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Web mapping workshop *Dr. Pődör Andrea*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Digital image processing D*r. habil Jancsó Tamás*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Rural development in EU *Dr. Udvardy Péter*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Urban analytics *Dr. Pődör Andrea*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg
Land valuation on the basis of GIS *Dr. Katona János*				14lec/ 1cr 28prac/ 2cr	**3 cr**	mg

internship *(according to the training and output requirements of the given course)***:**

					0 *cr.* **6 weeks, 240** hra	
in the major altogether	**588lec 812prac 70 cons**				**120 cr**	**13 coll 1 report 10 mg**