

**RTU Course "Geodesy for Architects"**

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**General data**

Code	BGE170
Course title	Geodesy for Architects
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Jānis Klīve
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV
Annotation	The course "Geodesy for architects" is based on the science of the Earth's size, shape parameters, Earth-related coordinate system formation, Earth cartographic imaging in small and large scales. Geodesy covers a wide range of practical applications – planning, designing, construction works, photogrammetry, etc. science industries. Practical side of Surveying includes technical and high-precision measurements, analytical processing of data and analysis of results.
Structure and tasks of independent studies	Independent work with literature, learn simple geodetic operations, carry out laboratory works, analyze results, performance of tests, type of final examination - "work" (throughout the semester).
Recommended literature	Obligāta/ Obligatory: Ģeodēzija. LĢIA, 2007, 262 lpp.  Papildu/ Additional: Mūsdienu Latvijas topogrāfiskās kartes. LR VZD, 2001, 203 lpp. Fotogrammetrija. LR VZD, 2003, 273 lpp. Geodesy. Wolfgang Torge, 1991, 263 lpp.
Course prerequisites	Physics, mathematics, geometry, geography, basics of computer graphics, drawing.

**Course contents**

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
	1	0	0	0
	3	0	0	0
	1	0	0	0
	1	0	0	0
	1	0	0	0
	4	0	0	0
	1	0	0	0
	1	0	0	0
	1	0	0	0
	1	0	0	0
	1	0	0	0
	16	0	0	0
Total:	32	0	0	0

**Learning outcomes and assessment**

Learning outcomes	Assessment methods

**Study subject structure**

Part	CP	Hours			Tests		
		Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	1.0	0.0	1.0			*