



## RTU Course "Descriptive Geometry and Engineering Graphics"

24203 null

**General data**

Code	BKO107
Course title	Descriptive Geometry and Engineering Graphics
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Professional
Field of study	Engineering Graphics
Responsible instructor	Modris Dobelis
Academic staff	Ieva Jurāne Zoja Veide Veronika Stroževa Ella Leja
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV
Annotation	The basics of spatial object representation. Projection method for producing engineering drawings. Views, sectional views and sections. Dimensioning. Geometric constructions, junctions, curves. Projections with elevation data in highway, bridge and hydroengineering projects. Sloped and curved highway segment. Cut and fill.
Recommended literature	1. Inženiergrafika. Autori: Auzukalns J., Dobelis M., Fjodorova G., Jurāne I., u.c. Rīga: RTU, 2008. -310 lpp. MLĶF un TMF studentiem. 2. Būvgrafika. Mācību līdzeklis tehnisko augstskolu studentiem. Autori: Auzukalns J., Dobelis M., Fjodorova G., Jurāne I. Rīga: RTU, 2007. – 396 lpp. BF studentiem. 3. Inženiergrafika. Čukurs J., Nulle I., Dobelis M. Jelgava: LLU, 2008. - 416 lpp. Neklātienēs studentiem. 3. Inženiergrafika. Jurāns V., Rieksts V., Seņins A. Rīga, 1983. -276 lpp. 4. Technical Drawing and Engineering Communication. Goetsch D.L. Chalk W.S., Nelson J.A. Rickman R.L. Delmar Cengage Learning, 2010. -986 p. 5. Начертательная геометрия и черчение. Чекмарев А.А. Москва: ВЛАДОС, 2005. -471 с.
Course prerequisites	

**Course outline**

Theme	Hours
	2
	2
	4
	4
	2
	8
	2
	6
	2

**Learning outcomes and assessment**

Learning outcomes	Assessment methods

**Study subject structure**

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