RĪGAS TEHNISKĀ
UNIVERSITĀTE

RTU Course "Scene Analysis and Computer Vision"

33000 Faculty of Computer Science, Information Technology and Energy

General data

Code	DAA422
Course title	Scene Analysis and Computer Vision
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Aleksandrs Sisojevs
Academic staff	Artjoms Suponenkovs
Volume of the course: parts and credits points	1 part, 4.5 credits
Language of instruction	LV
Annotation	Image processing and analysis. Scene analysis and computer vision. Syntactic description of scenes. Syntactic methods in scene analysis. Computer perception of 3D scenes. Perspective transformations. Stereographics perception of 3D scenes.
Recommended literature	Davies E.R. Machine Vision: Theory, Algorithms, Practicalities. 2nd Edition. Academic Press, 1997.
Course prerequisites	

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
	4	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	6	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	6	0	0	0
	2	0	0	0
	2	0	0	0
	2	0	0	0
	6	0	0	0
Total:	48	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.	4.5	2.0	1.0	0.0		*	