

## RTU Course "Scene Analysis and Computer Vision"

## 33000 Faculty of Computer Science, Information Technology and Energy

## General data

JOHOTAT GAIA			
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 Supoņenkovs		
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

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Learning outcomes	Assessment methods				

Study subject structure

State										
Part	CP	Hours			Tests					
		Lectures	Practical	Lab.	Test	Exam	Work			
1.	4.5	2.0	1.0	0.0		*				