RTU Course "Electronic Equipment of Production Automation"

15326 Mašīnbūvniecības un industriālā dizaina katedra

General data

Code	MRA322
Course title	Electronic Equipment of Production Automation
Course status in the programme	Compulsory/Courses of Limited Choice; Courses of Free Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Mechanics, Mechanical Engineering, Machine Building
Responsible instructor	Kaņeps Jānis
Volume of the course: parts and credits points	1 part, 3.0 Credit Points, 4.5 ECTS credits
Language of instruction	LV
Possibility of distance learning	Not planned
Abstract	Functional equipment of discrete electronic automation. Methods and equipment of measuring physical parameters. Evolution of information signals and their prosessing. Schematics of control systems.
Goals and objectives of the course in terms of competences and skills	
Structure and tasks of independent studies	
Recommended literature	1. A.Šulcs: Datortehnika un ražošanas automatizācija,- SWH-RTU, Rīga, 1995, 2. John P. Bently: Principles of measurement systems, Third ediytion, Longman Group Limited, London, 1995, 3. W.Bolton: Mechatronics – Electronic control systems in mechanical engineerng, - Longman Group Limited, Harlow, 1995, 4. Arthur B. Williams: Designer’s handbook of integrated circuits, McGraw-Hill Book Company, New York, 1984.
Course prerequisites	

Course outline

Theme	Hours
	3
	3
	3
	3
	3
	3
	2
	2
	2
	2
	2
	2
	2
	2
	2
	2
	2
	2
	3
	3

Learning outcomes and assessment

Learning outcomes	Assessment methods

Study subject structure

Part	CP	ECTS	Hours per Week			Tests			Tests (free choice)		
			Lectures	Practical	Lab.	Test	Exam	Work	Test	Exam	Work
1.	3.0	4.5	2.0	0.0	1.0		*				