



RTU Course "Helicopter Systems"
15E03 Lidaparātu teorijas un konstrukcijas katedra

General data

Code	TAK203
Course title	Helicopter Systems
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Professional
Field of study	
Responsible instructor	Kleinhofs Mārtiņš
Volume of the course: parts and credits points	1 part, 3.0 Credit Points, 4.5 ECTS credits
Language of instruction	LV, EN, RU
Possibility of distance learning	Not planned
Abstract	Systems of a helicopter. Equipment and location of equipment. Fire protection systems. Alarm systems. System tests. Fuel systems. System layout, tanks, fuel supply, filling and draining. Control of systems. A hydraulic power system. System layout and aggregates. Devices generating pressurization. Pressurization control. Indication and warning systems. Ice and rain protection. Electrical, pneumatic, chemical and mechanical anti-icing systems. Pneumatic and vacuum systems. Power of flight control system. Layout of control equipment in a cockpit and their operation. Study of helicopter systems. Practical work with system aggregates.
Goals and objectives of the course in terms of competences and skills	
Structure and tasks of independent studies	
Recommended literature	1. A&P Technician AIRFRAME. Textbook. Colorado. Jeppesen Sanderson Inc. 2002.- 650p. 2. Helikoptera Mi-8 rokasgrāmatas, 8 sējumi. Maskava, 1978-1994.
Course prerequisites	

Course outline

Theme	Hours
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Learning outcomes and assessment

Learning outcomes	Assessment methods
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Study subject structure

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