



## RTU Course "Aviation Technical English"

15E04 Transporta sistēmu un loģistikas katedra

### General data

Code	TAK230
Course title	Aviation Technical English
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Professional
Field of study	Transport
Responsible instructor	Paramonovs Jurijs
Academic staff	Blumbergs Ilmārs
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV, EN, RU
Possibility of distance learning	Not planned
Abstract	The subject improves the already obtained English language knowledge and skills with the specific aviation technical English. The specific terminology regarding airframe, aircraft power units and avionics will be discussed. In this subject, students will improve oral communication and listening skills required for organization of aircraft operation and maintenance. Students will go through the content and form of aircraft maintenance and aircraft inspection records. The subject will give basic knowledge about terminology and procedures of oral communication of pilots and air traffic controllers.
Goals and objectives of the course in terms of competences and skills	To learn basic English technical terminology about different aircraft and their parts. To be able to use technical English in performing aircraft technical maintenance tasks.
Structure and tasks of independent studies	Students prepare stories about aviation and discuss different aviation themes between each other in English - 30%, independently make tests focused on learning of new words and the way of using them - 30%, independently read and make analysis of the given English text - 15%, independently perform different written tasks - 25%.
Recommended literature	1. Aircraft Technical Dictionary. Colorado: Jeppesen Sanderson, Inc. 1997. 502p. 2. A&P Technician Airframe Textbook. Colorado: Jeppesen Sanderson, Inc. 2002. 630p. 3. A&P Technician Powerplant Textbook. Colorado: Jeppesen Sanderson, Inc. 1994. 550p. 4. Henderson M.F. Aircraft Instruments and Avionics. . Colorado: Jeppesen Sanderson, Inc. 1993. 203p.
Course prerequisites	The English language

### Course outline

Theme	Hours
Aircraft fuselage terminology.	8
Aircraft powerplant terminology.	4
Avionics terminology.	4
Terminology for aircraft technical maintenance management and speech perception skills development.	4
Language of aircraft maintenance documents.	4
Terminology of aircraft technical inspection documents.	4
Pilots and air traffic control tower communication language.	4

### Learning outcomes and assessment

Learning outcomes	Assessment methods
The student knows aviation technical English terminology for aircraft.	Test, exam.
The student can give job instructions in English.	Discussion, exam.
The student can describe different aircraft parts and their defects.	Discussion, exam.
The student can use aviation technical English in aircraft maintenance.	Test, exam.
The student can use aviation technical language in different aviation fields.	Final test, exam.

### Study subject structure

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