



## RTU Course "Human Factor"

15E04 Transporta sistēmu un loģistikas katedra

### General data

Code	TAE315
Course title	Human Factor
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Professional
Field of study	Transport
Responsible instructor	Šestakovs Vladimirs
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	EU. Joint Aviation Rules. Regulation No 2042/2003, PART-66, Module 9 subject. Human performance and limitations. Factor affecting performance. Error models and theories.
Goals and objectives of the course in terms of competences and skills	To receive theoretical knowledge about the human error, error models and theory.
Structure and tasks of independent studies	Work with the literature, the internet, the European Commission, the ministry of Civil Aviation Agency (CAA) regulatory normative documents. Work registration and presentation preparation.
Recommended literature	1. Vorobjovs A. Vispārīgā psiholoģija - R: SIA "Izglītības solī", 2000. - 212 lpp. 2. Apinis P. Cilvēks. Anatomija, fizioloģija, patoloģijas pamati. - Cēsis: SIA "Apgāds Jāņa sēta" - 800 lpp. 3. ICAO Human Factors Guidelines for Safety Audits Manual, Doc 9806, First Edition, 2002. -144 lpp. 4. www.aaib.dtlr.gov.uk; www.srg.caa.co.uk; http://hfskyway.faa.gov
Course prerequisites	Civil aircraft, safety of flights of aircraft, the aviation legislation.

### Course outline

Theme	Hours
The need to take human factor into account, Murphy's law.	4
Human performance and limitations.	6
Social psychology.	2
Factors affecting performance.	4
Communication, human error, occupational hazards, risk factors.	8
Practical classes.	8

### Learning outcomes and assessment

Learning outcomes	Assessment methods
To be familiar with Regula No 2042/2003, PART-66, Module 9.	Practical works, tests, exam. Criteria: Results of testing.
To be able to manage human factor at the aviation enterprise.	Practical works, tests, exam. Criteria: Results of testing.

### Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	3.0	1.5	0.5	0.0		*	