



RTU Course "Standardization, Certification and Licensing in Air Transport"

15E04 Transporta sistēmu un loģistikas katedra

General data

Code	TAE501
Course title	Standardization, Certification and Licensing in Air Transport
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Transport
Responsible instructor	Vladimirs Šestakovs
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	Knowledge system aimed at providing quality as the result of many different factors from economic development level to the ability to organize and manage the processes of quality provision in civil aviation. Assessment methods of quality, ISO-9000 standard. Quality system certification, standards, rules and quality assurance in civil aviation.
Goals and objectives of the course in terms of competences and skills	The aim is to study standardization, certification and licensing of air transport. Acquire international standards, rules, procedures and quality assurance.
Structure and tasks of independent studies	Working with the literature and internet. Study of international organizations regulating normative documents. Preparation of presentation.
Recommended literature	<ul style="list-style-type: none"> • ICAO, EASA noteikumi, standarti, procedūras. PART-66, PART-145, PART-147, PART-23/25/27/29. www.easa.com • Kvalitātes standarti ISO-9000. • Kroes M.I. For Aircraft Maintenance. Repair. Sixth Edition, New York, 1993, 650p. • 2nd ICAO convention and the first-18. Attachments. Dos. 7300th • 3rd Latvia civil aviation regulatory documents. LCAA, Latvian Herald, 1999 - 2001. • Abdalimova. V. Šestakovs Lidojuma drošība. Gaisa transporta sertifikācija un licencēšana, Rīga, 1998, 72 lpp. • www.aair.dftl.gov.uk • www.caa.lv, http://hfskyway.faa.go
Course prerequisites	Aviation legislation, aircraft aerodynamics and design.

Course outline

Theme	Hours
Product and service quality. Quality assessment methods.	2
Standardization. The role of standardization in human life. ISO-9000 standards.	2
Quality system certification, quality system development stages.	4
Licensing. Objectives, forms and licensing objects.	4
ICAO, EASA regulations, standards and procedures. Certifying staff. Operator certificates.	5
Quality system models.	7
Practical works.	8

Learning outcomes and assessment

Learning outcomes	Assessment methods
A student knows quality assessment methods, international organization regulating normative documents: PART-66, 145, 147.	Practical works, testing and examination.
A student is able to use quality improvement tools and techniques.	Practical works, testing and examination. Criteria: A student is able to solve problems of quality and develop quality management systems.

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		*	