

RTU Course "Telecommunications Pricing Policy"

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General data

Code	RDE431
Course title	Telecommunications Pricing Policy
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Ģirts Ivanovs
Academic staff	Alīna Stafecka
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV, EN
Annotation	The study course gives an overview and basic knowledge about Latvian, European, and world level legal acts, standardization, tariff, and cost calculation models, which are necessary working in the field of electronic communications. In the context of the study course wholesale and retail electronic communication service types, legal acts, and standards that regulate these services are analysed. The study course introduces limited resource assignment and usage principles, classification and definition of the electronic communication markets, and control models for quality of service evaluation. In the context of practical works, the detailed evaluation and use case definition of the norms of the legal action is foreseen.
Goals and objectives of the course in terms of competences and skills	The study course aims to provide theoretical knowledge about electronic communication networks regulating legal acts, institutions, markets, tariff calculation, regulation principles, and directions. The tasks of the study course: - to provide knowledge about legal acts that regulate the electronic communications field; - to explain electronic communication market definition principles and cost calculation models; - to provide information about institutions responsible for the creation of the world and European Union regulative and technical framework for electronic communications; - to teach how to orientate in legal acts and use correct legal norms depending on the situation.
Structure and tasks of independent studies	Independent work is organized as a study of literature and solving practical tasks. As part of independent work, students prepare theoretical justifications for practical works, process practical work results, analyse literature.
Recommended literature	Obligātā/Obligatory: 1.Elektronisko sakaru likums. 2.Ātrdarbīga elektronisko sakaru tīkla likums. 3.Nacionālais numerācijas plāns. 4.Nacionālais Radiofrekvenču plāns. 5.Vispārējās atļaujas noteikumi elektronisko sakaru nozarē. 6.Eiropas Elektronisko sakaru kodekss 7.Eiropas parlamenta un padomes regula par viesabonēšanu publiskajos mobilo sakaru tīklos Savienībā 8.ITU-T E.164 The international public telecommunication numbering plan. Citi informācijas avoti/Other sources of information: 1. https://www.itu.int/ 2. https://www.etsi.org/ 3. https://cept.org/ 4. https://www.ietf.org/ 5. https://bereg.europa.eu/ 6. https://sprk.gov.lv/ 7. https://likumi.lv/ 8. https://eur-lex.europa.eu/
Course prerequisites	The knowledge of mathematical statistical methods and their use, mathematics, fundamentals of economics and physics at the bachelor level.

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Introduction. Goals and directions of electronic communications policy.	1	2	0	0
Legislative instruments that regulate the field of electronic communications.	1	2	0	0
Administrative institutions in the field of electronic communications and their functions. Market entry conditions.	1	2	0	0
Classification of electronic communications networks and electronic communications services.	1	2	0	0
Supply of electronic communications services and provision of electronic communications networks.	1	2	0	0
Users of electronic communications services. Standardisation in electronic communications.	1	2	0	0
Electronic communications service markets and their analysis. Significant influence of businessmen on electronic comm.	2	4	0	0

Regulation of electronic communications service tariffs. Electronic communications service costs and their allocation.	1	2	0	0
Universal service in the field of electronic communications. Scarce resources. Leased lines. Conformity assessment.	2	4	0	0
Interconnection of electronic communications networks. Access regulation. Interconnection regulation.	2	4	0	0
Implementation of services related to numbering use. Telephone directory and inquiry services.	2	4	0	0
Quality of electronic communications services. Provision of electronic communications services in emergency situations.	1	2	0	0
Practical works.	16	16	0	0
Total:	32	48	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to orientate in the national legal acts, European and other international standards, recommendations, and other documents related to the electronic communication network regulation.	The results of practical works.
Understands the regulations, directives and other binding documentation governing the electronic communications sector in the European Union.	The results of practical works.
Is able to independently define the electronic communication market for specific services and make cost calculations according to the cost calculation model.	Exam.
Is able to orientate in the legal acts related to the telecommunication regulation and use legal norms according to the specific case.	Exam.

Evaluation criteria of study results

Criterion	%
Exam	40
Practical works	60
Total:	100

Study subject structure

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