



RTU Course "Research Seminars"

13105 Pārtraides sistēmu katedra

General data

Code	RDE425
Course title	Research Seminars
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Academic
Field of study	Electronics and Telecommunications
Responsible instructor	Vjačeslavs Bobrovs
Academic staff	Andris Ozols Gunārs Lauks
Volume of the course: parts and credits points	2 parts, 4.0 Credit Points, 6.0 ECTS credits
Language of instruction	LV, EN, RU
Possibility of distance learning	Not planned
Abstract	Scientific workshops cover the following themes: presentation and discussion of the problems in the next generation telecommunications networks based on the analysis of the scientific literature, presentation and discussion of MSc analytical and experimental research results, the latest reviews on communications and measurement methodology, the latest telecommunications software for the analysis and their application reviews, taking part in scientific seminars, and work on the master thesis discussions.
Goals and objectives of the course in terms of competences and skills	Objectives of the workshops are as follows: to develop ability to understand scientific papers in the field of telecommunications, the development of the ability to analyze and discuss topical issues and present their scientific work results.
Structure and tasks of independent studies	Independent survey and analysis of scientific literature, data collection, presentations at workshops.
Recommended literature	Jaunākais izziņas materiāls, kopīgi atrasts un apkopots vienotā izziņas materiālu sarakstā zinātnisko semināru darba gaitā. Informatīvie avoti: ELECTRONICS&ELECTRICAL ENGINEERING žurnāls, Latvian Journal of Physics and Technical Sciences žurnāls, International Journal of Physical Sciences žurnāls, OPTICS žurnāls, IEEE žurnāli.
Course prerequisites	Bachelor programme

Course outline

Theme	Hours
Master thesis development and planning. Variant analysis.	8
Master thesis instrumental provision. Particular examples.	8
Master thesis output. Discussions with presentations.	16
Presentation of the results of the master thesis. Discussions with presentations.	16
Presentation of the contents of the master thesis. Discussions with presentations.	8
Suppliers - companies and business persons. Evaluation.	8

Learning outcomes and assessment

Learning outcomes	Assessment methods
Students are able to independently access and use a variety of information sources.	Discussions. Test.
Students are able to independently make a presentation.	Test.
Students are able to independently evaluate necessary equipment.	Example analysis. Test.
Students are able to deliver presentations.	Test.
Students are able to independently analyze and discuss topical issues in the field of telecommunications, using a variety of information sources.	Discussions. Test.
Students are able to get acquainted with potential suppliers and evaluate them.	Test. 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		*	
2.	2.0	3.0	0.0	2.0	0.0		*	