

**RTU Course "Bachelor Thesis"**

12308 null

General data

Code	DIP001
Course title	Bachelor Thesis
Course status in the programme	Graduation Test
Course level	Undergraduate Studies
Course type	Academic
Responsible instructor	Aleksejs Jurenoks
Academic staff	Larisa Zaiceva Natālija Prokofjeva
Volume of the course: parts and credits points	1 part, 10.0 Credit Points, 15.0 ECTS credits
Language of instruction	LV, EN
Annotation	Bachelor Thesis is an analytical study with elements of scientific research. It has to be performed in the field of applied computer science on the topic individually assigned to the student. Research results have to be based on the analysis of literature sources. Bachelor Thesis includes two parts – research part and practical part, in which a program or its prototype should be developed to demonstrate the scientific solutions.
Goals and objectives of the course in terms of competences and skills	The aim of the Bachelor Thesis is to demonstrate student's abilities to perform an independent research. Student has to apply knowledge acquired during his/her studies to perform selection and analysis of theoretical and practical solutions described in scientific literature, to demonstrate comprehension of practical solutions based on results of analysis, to explain and discuss them. Student has to write the Thesis according to requirements for scientific writing and project documentation.
Recommended literature	1. Norādījumi studiju noslēguma darba noformēšanai / H.Guļevskis. – Rīga: RTU, 2001. – 13 lpp. 2. Pommers J. Studentu zinātniskā darba pamati. – Rīga: Zvaigzne, 1989. – 297 lpp. 3. Nolikums par datorzinātņu profila bakalaura darba izstrādāšanu un aizstāvēšanu / S.Kozlova, L.Zaiceva. – Rīga: RTU, 1996. – 13 lpp.

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to select and analyze theoretical and practical solutions described in scientific and technical literature.	At least seven sources of scientific literature are referenced in the Bachelor Thesis, of which 3-5 are books or published papers.
Is able to apply scientific approach to problem solving, to perform system analysis and to assess existing and possible solutions.	Bachelor Thesis includes a scientific research part, which has been positively assessed by the scientific advisor and the reviewer.
Is able to specify, to design and to implement a solution to solve a scientific problem.	Bachelor Thesis includes a practical part, which has been positively assessed by the scientific advisor and the reviewer.
Is able to present and to explain research methods, results and practical solutions, as well as to discuss his/her work aspects.	Final Examination Commission has positively evaluated the Bachelor Thesis that has been independently elaborated and formatted in accordance with the requirements for academic Bachelor Degree.

Study subject structure

Part	CP	Hours per Week			Tests		
		Lectures	Practical	Lab.	Test	Exam	Work
1.	10.0	0.0	0.0	0.0			*