RTU Course "Introduction to Study Field"

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General data

Code	DSP105
Course title	Introduction to Study Field
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Academic
Field of study	Computer Science
Responsible instructor	Alla Anohina-Naumeca
Academic staff	Jurijs Ivanovs Māris Ziema Jānis Grabis Agris Ņikitenko Lāsma Lēruma-Gūtmane
Volume of the course: parts and credits points	1 part, 1.0 Credit Points, 1.5 ECTS credits
Language of instruction	LV, EN
Annotation	During the first year studies at the University former high school students meet a rather different style of teaching and learning, they do not know each other and have unclear idea about their future profession. All above mentioned facts influence their motivation to continue studies in future. The objective of the course is to stimulate students' early adoption to the requirements of the University and their motivation to study seriously and systematically meeting the stated requirements. This is achieved by making them acquainted with the specificity of the University studies (Faculty's structure, requirements of the study process, pedagogical and scientific activities) during the first 3 lectures, as well as presenting the essence and perspectives of the chosen profession in the labour market on the basis of a business game during remaining lectures. In the context of the business game students are divided into several groups and each group, guided by its supervisor, develops a specific system by going through all stages in a system development process and identifying activities, working specialists and preparing documents at each stage. At the end of the course each group demonstrates achieved results and acquires feedback from the supervisor.
Goals and objectives of the course in terms of competences and skills	The goal of the course is to introduce students with the faculty's structure, to provide general knowledge about the implementation and basic requirements of the study process, to present information about pedagogical and scientific activities within the faculty, as well as to present the essence and perspectives of the chosen profession in the labour market.
Structure and tasks of independent studies	During the course students must work out a report on a chosen topic. The topic is chosen by using an electronic registration system. Additionally in the report students must represent a material acquired during first 3 lectures. Materials on a system development process are provided for students for their self-study before lectures. Requirements for the report and learning materials are located in the e-study environment. The report must be submitted during the last week before the examination session.
Recommended literature	Elektroniskie materiāli e-studiju vidē
Course prerequisites	Not necessary

Course outline

Theme	Hours
Mission and structure, pedagogical and scientific activities of Faculty of Computer Science and Information Technology	2
Study content, study work and activities outside studies	2
Organization of the study process, students' rights and responsibilities	2
Beginning of the system development project	2
Stage of requirements analysis in a system development process	2
Stages of design and implementation in a system development process	2
Stages of testing and maintenance in a system development process	2
Finishing the system development project	2

Learning outcomes and assessment

Learning outcomes	Assessment methods
Students will know the mission, objectives, pedagogical and scientific activities of the faculty, as well as a content and organization of studies	Report.
Students will know the stages of a system development process and the project preparation activities	Practical work .
Students will know the essence of requirements analysis stage in a system development process and will be able to develop simplified interview protocols and a specifiction of requirements.	Practical work.
Students will know the essence of the design and implementation stages in a system development process and will be able to develop a simplified design specification, by drawing system's forms	Practical work.

Students will know the essence of testing and maintenance stages in a system development process and will be able to develop a simplified report on system's testing results	Practical work.

Study subject structure

Part	CP	Hours per Week			Tests		
		Lectures	Practical	Lab.	Test	Exam	Work
1.	1.0	0.5	0.5	0.0	*		