Subject code	Credits
	12

Title

BAIGIAMASIS DARBAS

Title in English

BACHELOR THESIS

Subject goal and annotation

Bachelor Thesis is a software development, multimedia or a research project, using IT methods and instruments. The project should show student skills in formulating, analysing and solving creative industries software development problems, knowledge of social, commercial and legal environment, skills in finding and using adequate references and preparing a quality document describing the project. A development project should include analysis of the problem, requirement specification, architecture, activity model, data structure, interface design issues, selection and justification of design tools, implementation, testing, quality and efficiency evaluation. For a research project, explicit research goals should be set, achieved and evaluated

Prerequisites

Multimedia and Internet technologies programme 1-4 year subjects

Relationship between the learning outcomes of the Programme and learning outcomes of the subject

Learning outcomes of the Programme	Learning outcomes of the subject	Criteria for measuring the achievement of learning outcomes
7. Formalization and specification of real-world problems, and ability to describe them at an abstract level 8. Perform interdisciplinary research and development in Internet systems area, apply results in practical applications. 9. Perform interdisciplinary research and development/creation in multimedia area, apply results in practical applications. 13. Ability to analyse the newest trends in Internet and multimedia systems (and general computer science and digital arts) and apply them in development of novel systems. 18. Critical analysis of Internet and multimedia projects context and their influence to business, culture and society.	Ability to independently analyse different information sources and solutions, and apply gained knowledge in development of the system	Student defines, designs and develops or proposes solution for a chosen problem in multimedia and/or Internet area.
10. Analysis, design and development of advanced Internet systems. 11. Analysis, design and development of advanced Multimedia systems. 12. Analysis, design and development of diverse software systems.	Ability do design and develop (propose solution) chosen system	Student designs and develops system or other type of solution.
15. Clear and convincing presentation of problems and solutions to experts and non-experts using ground knowledge, reasoning, relevant presentation tools and methods.	Ability to present work results	Student presents and defends her work.
16. Project managing and collaborating in teams.	Ability to manage project.	Student properly manages the

		bachelor thesis.
17. Personal development skills - planning of studies based on the personal needs and tendencies in industry. 19. Fast and efficient adaptation to the quickly changing cultural, economical and technological environment.	Ability to follow industry trends and choose right problems/solutions/technologies	Student choose right problem and right means for solving it.

Evaluation of study results

Term work 70%, defence - 30%

Distribution of subject study hours

Total	320

Subject prepared and coordinated by

All programme lecturers