Subject code	Credits
INF5013	6

Course title in Lithuanian

TIRIAMASIS DARBAS NR.2

Course title in English

RESEARCH PROJECT NO.2

Short course annotation in Lithuanian (up to 500 characters)

Tiriamuoju darbu nr. 2 studentas pratęsia Tiriamojo darbo Nr.1 metu pradėtus tyrimus. Semestro pabaigoje studentas pristato tiriamojo darbo rezultatus, pateikdamas ataskaitą, kurioje turi būti tokios pagrindinės sudėtinės dalys: Papildytas (lyginant su Tiriamuoju darbu Nr.1) įvadas, nurodant, ar bus kuriamos naujos metodikos, modeliai, algoritmai, ar bus adaptuojami jau egzistuojantys metodai, modeliai, paaiškinant, kodėl pasirinkti būtent tokie metodai ir priemonės, kaip jie padės pasiekti užsibrėžtus tikslus, bei aptariama tyrimo metodologija. Metodų analizė, aprašanti naujai siūlomas metodikas, modelius, algoritmus, arba išsamiai paaiškinant, kaip bus kūrybingai panaudojami jau egzistuojantys metodai, modeliai, kaip jie bus taikomi, plėtojami, modifikuojami. Teorinių ir eksperimentinių tyrimų aprašymas, nurodant, kuri tyrimo dalis yra originali, kurioje dalyje panaudojami jau egzistuojantys metodai. Aptariami rezultatai, analizuojant metodų, modelių pritaikomumą praktiniams uždaviniams spręsti bei jų efektyvumą.

Short course annotation in English (up to 500 characters)

Research project No.2 is prepared in the second semester of studies, resuming research work, started in the Research Project No.1. At the end of semester, the research results are presented in the form of a report, covering the following main topics: extended introduction explaining the selected methods and tools, method analysis and the description of theoretical and experimental research disclosing the originality of research and discussing the results obtained.

Prerequisites for entering the course

Compulsory subjects of „Applied informatics“ MSc programme

Course aim

The aim of the 2nd research project is to propose and to implement some preliminary solutions to the research problem defined in the 1st research project.

Content

No	Content (topics)
1.	Research project No. 2 continues the research that was started in the Research project No. 1. At the end of the semester the student presents the results of his/her research work by submitting a report with the following composite parts. • Revised version (in comparison to the Research project No.1) of introduction, showing whether new methods, models, algorithms will be created, whether already existing methods and models will be adapted, providing the explanation, why specific methods and means were selected, how they will help to achieve the goals set. Also, the research methodology is discussed. • Method analysis, describing new methods, models, algorithms, or explaining in detail, how existing methods and models will be creatively used, how they will be applied, developed and modified. • Description of theoretical and experimental research, showing which part of the research is original, and which part uses already existing methods. Results are discussed, analysing method and model adaptability for solving practical tasks, and, also their efficiency.

Distribution of workload for students (contact and independent work hours)

Consultations	**10 hours**
Individual students work	**148 hours**
Project presentation	**2 hours**
Total:	**160 hours**

Structure of cumulative score and value of its constituent parts

Contents of the project report - 70%, public defence of the project report- 30 %.

Recommended reference materials

No.	Publication year	Authors of publication and title	Publishing house	Number of copies in		
				University library	*Self-study rooms*	*Other libraries*
Basic materials						
1.	2001	W.D. Shoaff, How to Write a Master's Thesis in Computer Science	Florida Institute of Technology	unlimited, online resource http://cs.fit.edu/~wds/guides/howto/		
2.	1990	G. Gopen, J .Swan, The	The Scientific	unlimited, online resource		

		Science of Scientific Writing, American Scientist	Research Society	http://www.americanscientist.org/issues/pub/the-science-of-scientific-writing
3.	Present	K. Sainani. Writing in the Sciences. Coursera on-line course	Stanford, Coursera	unlimited, online resource https://www.coursera.org/course/sciwrite
Supplementary materials				
1.	Depend on the topic of the research.			

Course programme designed by

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