

Subject code	Credits
INF5012	6

Course title in Lithuanian

TIRIAMASIS DARBAS NR.1

Course title in English

RESEARCH PROJECT NO.1

Short course annotation in Lithuanian (up to 500 characters)

Tiriamajam darbui nr. 1 studentas pasirenka temą iš informatikos metodų bei informacinių technologijų mokslinių bei taikomųjų tyrimų srities. Darbo tematiką siūlo fakulteto dėstytojai, turintys teisę vadovauti magistrantūros darbams. Temos turi atitikti magistrantūros darbams keliamus reikalavimus, spręsti aktualią informatikos problemą. Semestro pabaigoje studentas pristato tiriamojo darbo rezultatus, pateikdamas ataskaitą, kurioje turi būti tokios pagrindinės sudėtinės dalys: įvadas, aprašantis darbo kontekstą bei aktualumą ir apibrėžiantis darbo tikslus ir užduotis; literatūros apžvalga, padedanti įvardinti klausimus, kurie bus nagrinėjami vykdomame darbe bei taikytinus metodus; problemos analizė, detaliai aprašanti projekto tikslus, numatomo darbo suskaidymą į sudedamąsias dalis, numatanti, kokiais būdais bus vertinamas atliktas darbas. Darbo rezultatai pristatomi viešame ginyme.

Short course annotation in English (up to 500 characters)

Research project No.1 is prepared in the first semester of studies. Research problem, corresponding to the requirements of Master Thesis, is chosen from the scientific and applied research area of informatics methods and information technologies, from a list of problems suggested by the researchers in Informatics faculty. At the end of semester, the research results are presented in the form of a report, covering the following main topics: introduction explaining the problem pre-history and context, literature overview disclosing the topics for investigation, problem analysis explaining in detail the goals of the project, project plan and evaluation metrics.

Prerequisites for entering the course

Compulsory subjects of „Applied informatics“ MSc programme

Course aim

The aim of the 1st research project is to define the research problem, goals and evaluation metrics, to develop the research plan, and to conduct literature survey of a relevant domain

Content

No	Content (topics)
1.	<p>Student selects a topic from the field of the methods of informatics or the scientific and applied research of information technologies. Topics are offered by the faculty teaching personnel. Topics should satisfy the requirements set for master theses, and also take into account possible restrictions of the university equipment or infrastructure. At the end of the semester the student presents the results of the research work by submitting a report with the following composite parts:</p> <ul style="list-style-type: none"> • Introduction, describing the pre-history and context of the problem, explaining the reasons, why this work is being accomplished, also defining work goals and possible problems in the course of the project. • Literature overview, helping to name the topics that will be investigated in the project.

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
<i>Basic materials</i>						
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 Science of Scientific Writing, American Scientist	The Scientific Research Society	unlimited, online resource 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
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Supplementary materials

1.	Depend on the topic of the research.
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Course programme designed by

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