

MODULE DESCRIPTION

Module title					Module code			
Bachelor Thesis								
Lectu	Department where the module is delivered							
Coordinator: assoc. prof. dr.	Faculty of Mathematics and Informatics Vilnius University							
Other lecturers: supervisors								
Cv	cle			Type of the module				
Fin	rst				Comp	ulsory		
Mode of delivery		Semester or period when the module is delivered			Language of instruction			
Face-to-face		8 sen	8 semester			Lithuanian		
		Prerec	quisites					
Prerequisites: Coursework.								
Number of gradits	Stud	ont's workload	Cont	oot hou	rc	Sol	Solf study hours	
allocated	Stuu	ent s workioau	Cont	act nou	15	Sei	Self-study hours	
15		390		14			376	
Pu	rpose of th	ne module: progran	nme compete	ences to	be develo	ped		
 knowledge of relevant software engineering and applications areas, to carry out independent research or applied work, to formulate consistent and reasoned results and conclusions, using correct language in writing and verbally, within the requirements and in the accordance with the academic ethics; to develop a scientific, critical and creative thinking competencies. <i>Generic competences:</i> Communication and collaboration (<i>GK1</i>). Life-long learning (<i>GK2</i>). Specific competences: Knowledge and skills of underlying conceptual basis (<i>SK4</i>). Software development knowledge and skills (<i>SK5</i>). 								
Learning outcomes of the module:				Teaching and learning			Assessment	
Students will be able to					method	8	methods	
data bases and other sources of information.								
Acquire independently new knowledge, methodologies, and tools in the								
area of Bachelor thesis.								
Plan, design and conduct experiments and other appropriate practical investigations as well as to analyze and interpret data					Consulting, information Bachelor the			
Formulate acceptable and effective problem solutions using appropriate					al, study c	presentation and		
current techniques and models.				literature, preparation defence, an			defence, answers	
Evaluate the results of studies, determine their reliability and document				and presentation of to the question				
well them.				Dachel	01 110515		verbaily	
Communicate the results and conclusions consistently, providing the rationale underpinning these, using correct language, in written and oral form within the requirements defined and in accordance with the academic ethics.								

Content: breakdown of the topics		Contact hours					Self-study work: time and assignments		
		Tutorials	Seminars	Practice	Laboratory work (LW)	Tutorial during LW	Contact hours	Self-study hours	Assignments
Bachelor thesis in Software Engineering		12					12	366	To analyse the topic, to offer design solutions, to perform other tasks defined for the particular assignment, prepare the project work
Bachelor thesis presentation and defence.							2	10	To prepare the presentation and be prepared to defend project work.
Total		12					14	376	

Assessment strategy	Weig ht %	Deadline	Assessment criteria
Bachelor thesis and its defence.	100	During exam session	Defence is allowed when the extended outline of bachelor's thesis is approved by the faculty's Study Office, the thesis is delivered on time and with a supervisor's permission. The thesis must meet the requirements of <i>Regulations of Software Engineering Bachelor Thesis Preparation</i> defined by Software Engineering Study Programme Committee. Thesis is assessed by the Final Thesis Defence Commission. The defence procedure and evaluation criteria are specified in <i>Final Thesis Preparation, Defence and Storage Rules.</i>

Author	Public	Title	Number	Publisher or URI
Author	hing	The	or volumo	rubilisher of CKL
	ming		of volume	
	year			
Required reading	-	1	1	1
Vilnius University	2002	Final thesis preparation,		VU Informacinis biuletenis, 2005-
		defence and storage rules (in		06-23, Nr. 11(340)
		Lithuanian).		
VU MIF Software	2020	Regulations of Software		MIF website > Studies > For
Engineering study		Engineering Bachelor Thesis		Bachalors > Software Engineering
committee		Preparation (in Lithuanian)		
VU MIF Software	2020	A structure of the Software		MIF website > Studies > For
Engineering study		engineering bachelor thesis		Bachalors > Software Engineering
committee		(in Lithuanian)		
		Literature on Bachelor thesis		
		topic agreed with the		
		supervisor		
Recommended reading				
VU Faculty of	2012	Guidelines for written works		http://www.kf.vu.lt/dokumentai/St
Communication		guidance. Educational		udiju%20dokumentai/VUKF_meto
		guidance (in Lithuanian)		diniai_nurodymai_2012-02-13.pdf

M. Berndtsson,	2008	Thesis Projects: A Guide for	2nd ed.	Cambridge [N.Y.] : Cambridge
J. Hansson, B. Olsson,		Students in Computer Science		University Press,
B. Lundell		and Information Systems		
P. S. Jorgensen,	2003	How to write research work		Aidai, Vilnius
L. Rienecker		(in Lithuanian)		
K. Kardelis	2002	Research methodology and		Judex, Vilnius
		methods (in Lithuanian)		