



MODULE DESCRIPTION

Module title	Module code
Coursework	

Lecturer(s)	Department where the module is delivered
Coordinator: assoc. prof. dr. Saulius Ragaišis	Department of Software Engineering Faculty of Mathematics and Informatics Vilnius University
Other lecturers: supervisors of course works	

Cycle	Type of the module
First	Compulsory

Mode of delivery	Semester or period when the module is delivered	Language of instruction
Face-to-face	6 semester	Lithuanian

Prerequisites
Prerequisites: Software Engineering I and II.

Number of credits allocated	Student's workload	Contact hours	Self-study hours
5	130	8	122

Purpose of the module: programme competences to be developed		
Purpose of the module – summarize and consolidate the knowledge of subjects studied, to develop abilities to self-uptake of new knowledge of relevant software engineering and applications areas, develop research skills.		
Generic competences: <ul style="list-style-type: none"> • Communication and collaboration (<i>GK1</i>). • Life-long learning (<i>GK2</i>). 		
Specific competences: <ul style="list-style-type: none"> • Knowledge and skills of underlying conceptual basis (<i>SK4</i>). • Software development knowledge and skills (<i>SK5</i>). • Technological and methodological knowledge and skills, professional competence (<i>SK6</i>). 		
Learning outcomes of the module: students will be able to	Teaching and learning methods	Assessment methods
Undertake independently literature searches and analysis, and to use data bases and other sources of information.	Consulting, information retrieval, study of literature, preparation and presentation of coursework	Coursework, its presentation and defence, answers to the questions verbally
Acquire independently new knowledge, methodologies, and tools in the area of coursework.		
Plan the appropriate applied research.		
Combine theory and practice to complete software engineering tasks from different application areas.		
Evaluate the results of other authors' research.		
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		
	Lectures	Tutorials	Seminars	Practice	Laboratory work (LW)	Tutorial during LW	Contact hours	Self-study hours	Assignments
Coursework in Software Engineering		6					6	112	Insight into the topic, the literature search and analysis, to perform other tasks defined for the particular assignment, prepare the coursework.
Coursework presentation and defence.							2	10	To prepare the presentation and be prepared to defend coursework.
Total		6					8	122	

Assessment strategy	Weight %	Deadline	Assessment criteria
Coursework and its defence.	100	During exam session	<p>Defence is allowed when a coursework is delivered on time and with the supervisor's permission. The coursework has to meet <i>The methodological guidelines for Software Engineering course works</i> issued by the Department of Software Engineering. Course works are defended against the Commission of the Department of Software Engineering. Supervisors, scientific-pedagogical staff of the Department and students participate in a defence. Any other interested persons can also participate in the defence.</p> <p>Assessment commission as well as any other participants are free to ask any questions.</p> <p>The following aspects are assessed: the work performed, document quality, presentation, answers to provided questions. Oral presentation of the work up to 10 minutes. Feedback from supervisors is taken into account. Defended work is graded.</p>

Author	Publishing year	Title	Number or volume	Publisher or URL
Required reading				
VU MIF Software Engineering Department	2011	The methodological guidelines for Software Engineering course works (in Lithuanian)		http://www.mif.vu.lt/se/Students/KURSINIO%20DARBO%20METODINIAI%20NURODYMAI%202011_AL.pdf
		<i>Literature on coursework topic agreed with the supervisor</i>		

Recommended reading				
VU Faculty of Communication	2012	Guidelines for written works guidance. Educational guidance (in Lithuanian)		http://www.kf.vu.lt/dokumentai/Studiju%20dokumentai/VUKF_metodiniai_nurodymai_2012-02-13.pdf
M. Berndtsson, J. Hansson, B. Olsson, B. Lundell	2008	Thesis Projects: A Guide for Students in Computer Science and Information Systems	2nd ed.	Cambridge [N.Y.] : Cambridge University Press,
P. S. Jorgensen, L. Rienecker	2003	How to write research work (in Lithuanian)		Aidai, Vilnius
K. Kardelis	2002	Research methodology and methods (in Lithuanian)		Judex, Vilnius