COURSE UNIT DESCRIPTION

Course unit title	Course unit code
Professional Practice	**PGPR7124**

Lecturer(s)	Department where the course unit is delivered
Coordinator: prof. dr. Romas Baronas **Other lecturers:** Professional practice supervisors	Department of Software Engineering Faculty of Mathematics and Informatics Vilnius University

Cycle	Level of course unit	Type of the course unit
Second	-	Compulsory

Mode of delivery	Semester or period when the course unit is delivered	Language of instruction
Face-to-face	Autumn semester, second year of study	Lithuanian, English

Prerequisites and corequisites	
Prerequisites: Project Management, Software Engineering Assessment and Improvement	**Corequisites (if any):** -

Number of ECTS credits allocated	Student's workload	Contact hours	Self-study hours
18	490	10	480

Purpose of the course unit: programme competences to be developed
To strengthen the knowledge, competencies and skills gained during the studies, to learn to adapt and develop them in professional work, to gain professional skills as well as to apply and develop the abilities to solve problems arising in practice.

Learning outcomes of the course unit: students will be able to	Teaching and learning methods	Assessment methods
Work in a team, adapt to different environments, assess and ensure work quality, plan and manage own tasks.	Practical professional activities, monitoring progress of the practice, tutorials, preparation of practice report and results presentation.	Professional practice report, practice results presentation and defence, answers to the questions verbally.
Communicate with professionals of different areas, solve interdisciplinary problems or those related to other fields, have strong business ethics.		
Apply theory to practice.		
Use various computer hardware and software, comprehend and apply modern technologies.		
Analyse and assess business practices, provide suggestions to improve the software development process.		
Plan and manage IT projects.		
Use arguments and appropriate language to thoroughly communicate work results both verbally and in writing; have strong academic ethics.		

Course content: breakdown of the topics	Contact hours							Self-study work: time and assignments	
	Lectures	Tutorials	Seminars	Practice	Laboratory work	Practical training	Contact hours	Self-study hours	Assignments
Professional practice and report preparation.		8					8	470	To learn about the company, analyse the business sector, prepare a plan for completing practice assignments, complete all the assignments, and prepare a practice report.
Professional practice results presentation and defence.							2	10	To prepare the presentation and be prepared to defend practice results and report.
Total		**8**					**10**	**480**	

Assessment strategy	Weight %	Deadline	Assessment criteria
Professional practice completion	40	13th week of the semester.	Knowledge gained in a professional practice, competencies and skills, practice results and report. Assessed by the host organisation.
Professional practice results, practice report and defence.	60	15th week of the semester.	Defence is allowed when a professional practice report is delivered on time and with a university supervisor's permission. The report has to meet *Professional practice report requirements* issued by the Department of Software Engineering. Practice results are defended against the Commission of the Department of Software Engineering. Students and scientific-pedagogical staff participate in a defence. Supervisors from the host organisation are invited to attend the defence. Any other interested persons can also participate in the defence. Assessment commission as well as any other participants are free to ask any questions. The following aspects are assessed: practice completion, assignment difficulty, reasoning behind suggested solutions, report, presentation, answers to provided questions. Presentation of practice achievements of no more than 10 minutes. Feedback from practice supervisors is taken into account. Defended work is graded. Failed work is not credited.

Author	Publishing year	Title	Number or volume	Publisher or URL
Required reading				
VU MIF Software Engineering Department	2007	Professional Practice Report Requirements		http://www.mif.vu.lt/katedros/se/Studentams/ReikalavimaiPraktikosAtaskaitai_10.htm
	2009	VU Mathematics and Informatics Faculty Professional Practice Regulations		https://kedras.mif.vu.lt/prakt-vld/failai/MIF-praktikos-nuostatai.doc
Recommended reading				
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,
Peter Stray Jorgensen, Lotte Rienecker	2003	How to write research work (in Lithuanian)		Aidai, Vilnius