

COURSE OUTLINE

Numerical course code	LTAT.05.003
Title	Software Engineering
Faculty/Department	LTAT05 Faculty of Science and Technology, Institute of Computer Science, Chair of Software Engineering
Amount of credits (1 ECTS = 26 hours)	6 ECTS
Duration in semesters	1
Course type	Regular course
Final assessment	differentiated (A, B, C, D, E, F, not present)

Compulsory prerequisite subjects

MTAT.03.130 Object-oriented Programming (6 ECTS, 4 CP)
or LTAT.03.003 Object-oriented Programming (6 ECTS)

Courses to which LTAT.05.003 is a compulsory prerequisite

LTAT.05.006 Software Testing (6 ECTS)
MTAT.03.159 Software Testing (3 ECTS, 2 CP)

Curricula containing this course

Computer Engineering (83866)	bac.	2017/2018 2018/2019 2019/2020 2020/2021
Computer Science (2476)	bac.	2017/2018 2018/2019 2019/2020 2020/2021
Conversion Master in IT (144919)	mas.	2017/2018
Mathematical Statistics (2474)	bac.	2017/2018 2018/2019 2019/2020 2020/2021

Objectives

To obtain basic knowledge in software engineering and primary skills for working at any stage of software development projects.

Learning outcomes

Upon completion, students will be able to demonstrate basic knowledge of and skills in:

- software engineering paradigms;
- system analysis;
- requirements analysis;
- planning;
- implementation;
- testing;
- maintenance;
- project management.
- software processes and methodology.

Brief description

The course covers: software engineering paradigms, project management, system and requirements analysis, design, implementaton, testing, quality management and control.