I058	**Final Project**	L	S	E	ECTS
		0	2	0	8

Course objectives. Final assesment of the knowledge and skills gained through the entire undergraduate course.

Course prerequisites. Every course from the undergraduate course of Mathematics and Computer Science.

Syllabus.

The student works on a defined project which he realizes individually or in a team following all the established software engineering practices (demand analysis, design, implementation and verification).

EXPECTED LEARNING OUTCOMES

No.	**LEARNING OUTCOMES**
1.	To demonstrate knowledge and understanding which can serve as the foundation for developing and application of original ideas.
2.	To apply knowledge, understanding and skills in broad variety of problems in the field of computer science.
3.	To integrate new knowledge to successfully solve programming problems presented in the final project.
4.	To be able to present the conclusions and findings to experts and laymen based on knowledge and experience.
5.	To apply the acquired skills onto further education in this field.

COUPLING OF THE EXPECTED LEARNING OUTCOMES, TEACHING PROCESS ORGANIZATION AND THE EVALUATION OF THE TEACHING OUTCOMES

TEACHING PROCESS ORGANIZATION	**ECTS**	**LEARNING OUTCOMES ****	**STUDENT ACTIVITY ***	**EVALUATION METHOD**	**SCORE**	
					min	**max**
Demand analysis	2	1-5	Discussion, solving problems individually or in a team	Document with the demand analysis, sketch of the database structure	10	20
Design	2	1-5	Discussion, solving problems	Document with the suggestions	10	25

			individually or in a team	for the final design (mockups)		
Implementation	2	1-5	Discussion, solving problems individually or in a team	Documentation of the program code	10	25
Verification	1	1-5	Discussion, solving problems individually or in a team	Document with the explanation verification process and its results	10	20
Final exam	1	1-3	Presentation of the project	Public discussion	0	10
TOTAL	8				50	100

Teaching methods and student assessment. Each student or a student team of up to 4 members will be granted a mentor from the Dept. of Mathematics with the possiblity of being granted another mentor from a company (if the project is done in a collaboration with a company). Each project must be approved by the lecturer. Student or a student team are obliged to write the documentation which must be signed by the mentor(s) and will be reviewed by the lecturer once the project is finished. The results of the project will be presented by the student(s) to the audience.

Can the course be taught in English: Yes