Level: bachelor

Course title: Software Project Management

Status: elective for the module of *Information Technologies,* elective for the module of *Computer Science*

ECTS: 8

Requirements: None

Learning objectives

Preparing students for a creative and successful work, both individually and as a part of an interdisciplinary team, on a complex software project, limited with (partially known) restrictions imposed by expenses, time and expertise.

Learning outcomes

Minimal: Students should be able to recognize, and as a part of a team, help in analysis and execution of individual project goals, through recognition of acceptable compromises within the existing limitations.

Desirable: Student should be able to recognize, analyze and incorporate complex and conflicting project goals, by finding acceptable compromises within working, financial and time limitations, and restrictions imposed by the existing systems and organizations.

Syllabus

Theoretical instruction

Basic notions and definitions. Introduction to project management and software project management. Capability and maturity model (CMM). Cost estimation of software projects (COCOMO model). Conflict management. Techniques of communication and moderation. Attitude theories.

Practical instruction

Introduction to basic elements of project planning and software project planning. Introduction to specific software tools for project planning. Introduction to basic elements of software ethics.

Weekly teaching load				Other:
Lectures: 3	Exercises: 3	Other forms of teaching:	Student research:	