

Course title: Software Engineering

Institute/Division: F-3, Institute of Computer Science

Course code: F33-SE

Erasmus subject code: Informatics, Computer Science

Number of contact hours: 45 hours

Course duration: 1 semester

ECTS credits: 6

Course description: All aspects of software production process thorough treatment of the development lifecycle, modeling languages (UML), engineering tools, project planning and process management. The course emphasizes object-oriented modeling and programming, explains the use of components and business object and highlights application of architectural design and refactoring.

Literature: D.Hamlet, J.Maybee, *The Engineering of Software– Technical Foundations for the Individual*, Addison Wesley Longman Inc. 2001,
L.Maciaszek, B.Lee Liong, *Practical Software Engineering, A Case Study Approach*, Pearson Education Limited 2005

Course type: Lectures and laboratories

Assessment method: A few tests (each one will be announced two weeks in advance), ability of solving of simple exercises, exam.

Prerequisites: Programming languages, algorithms and data structures, data bases.

Primary target group: 3-th – 4-th year computer science students

Lecturer: Marek Stanuszek, PhD, DSc.

Contact person: Marek Stanuszek, PhD, DSc.
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Deadline for application: 15th of September

Remarks: The course will start for at least 5 foreign students