Study program: Modern computer technologies

Course title: Software Engenering

Professor/assistant: Miloš B. Stojanović

Type of course: compulsory

ECTS credits: 6

Pre-requisites: none

Aims of the course:
Mastering methods and tools for software design, development, testing and evolution. Introduction to methods for measuring the quality of software products and processes.

Learning outcomes:
Students are able to: use modern software design tools, apply traditional and modern methodologies for software development, define and implement software validation, plan and perform software testing, perform its maintenance and measure the quality of software.

Syllabus

Theoretical part

Practical part
Designing a software system, based on object-oriented model, using the UML modeling language.
Project development, by creating software in one of the programming languages, such as Java, C ++ or C #.

Literature

Number of active classes
Lectures: 45
Practical classes: 30
Research work:

Other forms of teaching:

Teaching methods
Combination of interactive approach with practical problem solving.

Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.

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<th>Pre-exam obligations</th>
<th>points</th>
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<td>activity during theoretical lectures</td>
<td>10</td>
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<td>practical training</td>
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<td>colloquium(s)/seminar papers</td>
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