### Study program: Modern computer technologies

#### Course title: NET Technologies

**Professor/assistant:** Zoran Veličković / Miloš Stošić

**Type of course:** compulsory

**ECTS credits:** 6

**Pre-requisites:** none

#### Aims of the course:

Preparing students to:
- learn basic concepts of NET technologies such as CLR (Common Language Runtime), FCL (Framework Class Library), IL (Intermediate Language), CLS (Common Language Specification);
- explore the basics of C# programming language, architecture development environment Visual Studio. NET base classes, methods, constants and constructors in C#; Exception handling and multithreading programming;
- learn how to solve basic practical problems in Visual Studio using the programming language C#.

#### Learning outcomes:

It is expected that after passing the exam students can:
- describe the basic components of NET technologies and argue their use;
- use the integrated development environment Visual Studio for programming of basic programming tasks;
- implement basic applications in the programming language C#;
- compare practical solutions implemented in other prog. languages with a standard solution of NET;
- distinguish program details and analyze the quality of programming solutions.

#### Syllabus

**Theoretical part:**

**Practical part:**

#### Literature


#### Number of active classes

| Lectures: 30 | Practical classes: 30 | Research work: |

#### 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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<td><strong>Sum</strong></td>
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