

Course Name : JAVA Programming

| Course Code | Course Type | Regular Semester | Lecture (hours/week) | Seminar (hours/week) | Lab. (hours/week) | Credits | ECTS |
|-------------|-------------|------------------|----------------------|----------------------|-------------------|---------|------|
| CMP 110 | C | Spring | 2.00 | 0.00 | 2.00 | 3.00 | 5.00 |

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|------------------------|------------------|
| Lecturer | Edlir Spaho, MSc |
| Assistant | |
| Course language | Albanian |
| Course level | Bachelor |
| Description | |
| Objectives | |
| Core Concepts | |

Course Outline

| Week | Topic |
|------|---|
| 1 | Introduction to Java |
| 2 | Structure of Java Program |
| 3 | Static Methods in Java |
| 4 | Primitive Data Types and Loops |
| 5 | Constants and Loops in Figures |
| 6 | Interactive Programs and Conditional Structures |
| 7 | Methods with Parameters |
| 8 | Semi Final Exam |
| 9 | Return and Math Functions |
| 10 | Strings and Characters |
| 11 | Arrays in Java |
| 12 | Graphics |
| 13 | Graphics User Interface (GUI) - I |
| 14 | Graphics User Interface (GUI) - II |
| 15 | General Review |
| 16 | Final Exam |

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|--|--|-----------------|-------------------------|
| Prerequisites | The student must attend the course at a minimum rate of 75%. | | |
| Literature | • Building Java Programs, A Back to Basics Approach-Pearson (2016), Stuart Reges & Marty Stepp | | |
| References | • Cikël leksionesh, Reges 2020. https://courses.cs.washington.edu/courses/cse142/20sp/ | | |
| Course Outcome | | | |
| 1 | Learn the basics and syntax of the JAVA language. | | |
| 2 | Understand and use control structures and methods. | | |
| 3 | Mastering Object Oriented Programming with Java | | |
| 4 | To learn and use the conception of the graphical interface with JAVA. | | |
| Course Evaluation | | | |
| | In-term Studies | Quantity | Percentage |
| | Midterms | 1 | 30 |
| | Quizzes | 0 | 0 |
| | Projects | 1 | 30 |
| | Term Projects | 0 | 0 |
| | Laboratory | 0 | 0 |
| | Class Participation | 0 | 0 |
| | Total in-term evaluation percent | | 60 |
| | Final exam percent | | 40 |
| | Total | | 100 |
| ECTS Workload (Based on Student Workload) | | | |
| | Activities | Quantity | Duration (hours) |
| | Course duration (Including the exam week: 16x Total hours of the course) | 16 | 4 |
| | Study hours outside the classroom (Preparation, Practice, etc.) | 14 | 3 |
| | Duties | 1 | 10 |
| | Midterms | 1 | 4 |
| | Final Exam | 1 | 5 |
| | Other | 0 | 0 |
| | Total Work Load | | 125 |
| | Total Work Load / 25 (hours) | | 5.00 |
| | ECTS | | 5.00 |