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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Mathematics** |
| Study Module (if applicable) |  |
| Course title | Introduction to Programming |
| Level of study | **☐Bachelor** ☐ Master’s☐ Doctoral |
| Type of course | ☐ Obligatory **☐ Elective** |
| Semester  | **☐ Autumn** ☐Spring |
| Year of study  | III |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Vesna Veličković |
| Teaching mode | **☐Lectures** **☐Group tutorials** ☐ Individual tutorials**☐Laboratory work** **☐ Project work** ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Algorithmic thinking. Introduction to the basic concepts and methods of programming.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Objectives of programming. Algorithmic thinking. Systematization of thinking. Programming environment. Basics of programming language. Coding of program/project, evaluation, testing, debugging, documentation. Typical mistakes.** |
| **LANGUAGE OF INSTRUCTION** |
| **☐Serbian (complete course)** ☐ English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)☐Serbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** |  | **Written examination** | **20** |
| **Practical teaching** | **30** | **Oral examination** | **50** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |