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|---|---------------|--------------------------|-------------------|---------------|
| <b>Study programme(s):</b> Informatics (IM), Teaching Informatics (IC)  |               |                          |                   |               |
| <b>Level:</b> master  |               |                          |                   |               |
| <b>Course title:</b> Project in informatics (code: IA121)   |               |                          |                   |               |
| <b>Lecturers:</b> Miloš Racković, Mirjana Ivanović, Dragan Mašulović, Zoran Budimac, Miloš Stojaković, Đura Paunić, Srđan Škrbić, Vladimir Kurbalija, Miloš Radovanović, Danijela Boberić Krstićev, Danijela Tešendić, Bojana Dimić Surla   |               |                          |                   |               |
| <b>Status:</b> elective   |               |                          |                   |               |
| <b>ECTS:</b> 10   |               |                          |                   |               |
| <b>Requirements:</b> none   |               |                          |                   |               |
| <b>Learning objectives</b><br>Enabling students to gain practical experience necessary for their future work by implementing one complete, real project in informatics.   |               |                          |                   |               |
| <b>Learning outcomes</b><br><i>Expected:</i> The successful student should implement one complete, real project in informatics.<br><i>Optimal:</i> The successful student should initiate and implement one complete, real project in informatics, with in-depth understanding of all methods and technologies used for the implementation.   |               |                          |                   |               |
| <b>Syllabus</b><br><i>Theoretical instruction</i><br>No theoretical instructions.<br><i>Practical instruction</i><br>Students implement a given project in informatics in the laboratories of the Department of Mathematics and Informatics, or in an IT company for a period of 40 days.   |               |                          |                   |               |
| <b>Literature</b><br>According to teachers' suggestions, depending on the topic chosen.   |               |                          |                   |               |
| <b>Weekly teaching load</b>   |               |                          |                   | <b>Other:</b> |
| Lectures: 2   | Exercises: 7  | Other forms of teaching: | Student research: |               |
| <b>Teaching methodology</b><br>The theme for the project is chosen from the unique list of the practical assignments that is publically available before the beginning of the school year. The list of the practical assignments contains the title of the theme, the professor in the field of informatics responsible for the scope and quality of the project, short description of the theme, the importance and applicability of the field covered by the project. Project can be realized in the laboratories of the Department of Mathematics and Informatics, as well as in certain IT companies with the consent of the company and a responsible professor. Student writes a seminar paper and presents the implemented project. In the oral exam, student defends the seminar paper through showing understanding of the basic principles of informatics discipline that the project belongs to. |               |                          |                   |               |
| <b>Grading (maximum number of points 100)</b>   |               |                          |                   |               |
| <b>Pre-exam obligations</b>   | <b>points</b> | <b>Final exam</b>        | <b>points</b>     |               |
| Seminar paper   | 50            | Oral exam                | 50                |               |