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| Study programme(s): Applied mathematics (MB), Mathematics (MA), Master in Mathematics Teaching (MP) | | | | |
| Level: master | | | | |
| Course title: Seminar in informatics (MB-18) | | | | |
| Lecturer: Zoran D. Budimac | | | | |
| Status: elective | | | | |
| ECTS: 4 | | | | |
| Requirements: None | | | | |
| Learning objectives To master the principles of selected contemporary informatics disciplines, which are not covered by the curricula of other courses. | | | | |
| Learning outcomes <i>Minimal:</i> Students should be able to demonstrate knowledge on basic principles of a chosen informatics discipline. <i>Optimal:</i> Students should be able to demonstrate in-depth understanding of a chosen informatics discipline through the application of principles to an appropriate realistic case study. | | | | |
| Syllabus <i>Theoretical instruction</i> Theoretical foundations of the recent sub-fields and achievements in a chosen informatics discipline. Technologies and software tools that might be used in practical applications. Principles of their use. <i>Practical instruction</i> Using appropriate software tools on illustrative examples to exercise the covered principles and to better understand the possible usage of recent developments in practice. | | | | |
| Literature Recommended by the lecturer, depending on the chosen topics that will be covered during the course. | | | | |
| Weekly teaching load | | | | Other: |
| Lectures: 1 | Exercises: 3 | Other forms of teaching: | Student research: | |
| Teaching methodology Classical teaching methods using projector are applied in lectures. Case studies are more deeply analyzed on exercises. Some aspects and principles are practically covered by software tools. Furthermore, students study individually and more in-depth some of the covered topics and report on their findings in written papers. | | | | |
| Grading (maximum number of points 100) | | | | |
| Pre-exam obligations | points | Final exam | points | |
| Active participation in lectures | | Written exam | | |
| Practical instruction | 12 | Oral exam | 40 | |
| Seminar(s) | 48 | | | |