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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Electronic Engineering |
| **GENERAL INFORMATION** |
| Study program  | Computing and Informatics |
| Study Module (if applicable) | Computer Systems Security |
| Course title | Computational psychology |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | 1st |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Stankovic Vladimir |
| Teaching mode |  [x] Lectures [x] Group tutorials [x]  Individual tutorials [x] Laboratory work [x]  Project work [x]  Seminar [ ] Distance learning [x]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The students will get to know the basics of computational psychology and obtain the needed knowledge for application and system development which may be applied in the contemporary psychology. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Cognitive Modeling Paradigms. Computational Modeling of various Cognitive Functionalities and Domains. (Computational Models of: Episodic Memory, Semantic Memory, Categorization, Decision Making, Inductive Reasoning, Deductive Reasoning, Skill Acquisition, Implicit Learning, Attention and Cognitive Control, Developmental Psychology, Psycholinguistics, Social Psychology, Personality, Scientific Explanation, Animal Learning and Their Relations to Human Learning, Visual Information Processing, Motor Control) Evaluation of Computational Modeling in Cognitive Science. Implementation of various techniques of applied psychology as computer applications. |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** |  |
| **Practical teaching** | **50** | **Oral examination** | **50** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |