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|--|------------------------------------|------------------------------|----------------------------|
| <b>Study program: Artificial intelligence</b>  |                                    |                              |                            |
| <b>Name of the subject: Master Thesis</b>  |                                    |                              |                            |
| <b>Teacher(s): all the lecturers on the study program</b>  |                                    |                              |                            |
| <b>Status of the subject: obligatory</b>   |                                    |                              |                            |
| <b>Number of ECTS credits: 20</b>  |                                    |                              |                            |
| <b>Conditions: minimum 90 ECTS including all the obligatory and elective courses.</b>  |                                    |                              |                            |
| <b>Subject goal</b><br>Student demonstrates an ability of solving a real-world problem from a selected area of artificial intelligence and presenting the solution through the master thesis paper.  |                                    |                              |                            |
| <b>Outcome of the subject</b><br>The expected outcome is a final paper which contains an application of the advanced tools of artificial intelligence on some real problem.  |                                    |                              |                            |
| <b>Subject content</b><br>Master thesis represents an individual research of a student through which he/she learns about research methodology in selected area. After the research phase, student prepares and writes a final paper in a form which contains expected seven chapters: introduction, theoretical part, experimental part, the results and the discussion, conclusions and bibliography. When the paper is completed, under the procedure defined by the Faculty of Sciences, student acquires a right to defend the master thesis and finishes the studies after a successful defense. This course assumes 10 hours of other forms of teaching. |                                    |                              |                            |
| <b>Literature</b>  |                                    |                              |                            |
| <b>Number of active teaching classes</b>   |                                    | <b>Theoretical teaching:</b> | <b>Practical teaching:</b> |
| <b>Method of carrying out the teaching</b>   |                                    |                              |                            |
| <b>Evaluation of knowledge (maximum number of points 100)</b>  |                                    |                              |                            |
| <b>Pre-exam obligations</b>  | points                             | <b>Final exam</b>            | points                     |
| 100 ECTS   | 56 (Obligatory) +<br>44 (Elective) |                              |                            |