

## Faculty of Science and Mathematics / COMPUTER SCIENCE / THEORY OF ALGORITHM COMPLEXITY

| Course:                          | THEORY OF ALGORITHM COMPLEXITY |                          |              |   |  |  |  |
|----------------------------------|--------------------------------|--------------------------|--------------|---|--|--|--|
| Course ID                        | Course status                  | Semester                 | ECTS credits | Lessons (Lessons+Exer cises+Laboratory) |  |  |  |
| 5755                             | Mandatory                      | 2                        | 5            | 3+1+0                                   |  |  |  |
| Programs                         | COMPUTER SCIENCE               |                          |              |   |  |  |  |
| Prerequisites                    |                                |                          |              |   |  |  |  |
| Aims                             |                                |                          |              |   |  |  |  |
| Learning outcomes                |                                |                          |              |   |  |  |  |
| Lecturer / Teaching<br>assistant |                                |                          |              |   |  |  |  |
| Methodology                      |                                |                          |              |   |  |  |  |
| Plan and program of<br>work      |                                |                          |              |   |  |  |  |
| Preparing week                   | Preparation and regis          | stration of the semester |              |   |  |  |  |
| I week lectures                  |                                |                          |              |   |  |  |  |
| I week exercises                 |                                |                          |              |   |  |  |  |
| II week lectures                 |                                |                          |              |   |  |  |  |
| II week exercises                |                                |                          |              |   |  |  |  |
| III week lectures                |                                |                          |              |   |  |  |  |
| III week exercises               |                                |                          |              |   |  |  |  |
| IV week lectures                 |                                |                          |              |   |  |  |  |
| IV week exercises                |                                |                          |              |   |  |  |  |
| V week lectures                  |                                |                          |              |   |  |  |  |
| V week exercises                 |                                |                          |              |   |  |  |  |
| VI week lectures                 |                                |                          |              |   |  |  |  |
| VI week exercises                |                                |                          |              |   |  |  |  |
| VII week lectures                |                                |                          |              |   |  |  |  |
| VII week exercises               |                                |                          |              |   |  |  |  |
| VIII week lectures               |                                |                          |              |   |  |  |  |
| VIII week exercises              |                                |                          |              |   |  |  |  |
| IX week lectures                 |                                |                          |              |   |  |  |  |
| IX week exercises                |                                |                          |              |   |  |  |  |
| X week lectures                  |                                |                          |              |   |  |  |  |
| X week exercises                 |                                |                          |              |   |  |  |  |
| XI week lectures                 |                                |                          |              |   |  |  |  |
| XI week exercises                |                                |                          |              |   |  |  |  |
| XII week lectures                |                                |                          |              |   |  |  |  |
| XII week exercises               |                                |                          |              |   |  |  |  |
| XIII week lectures               |                                |                          |              |   |  |  |  |
| XIII week exercises              |                                |                          |              |   |  |  |  |
| XIV week lectures                |                                |                          |              |   |  |  |  |
| XIV week exercises               |                                |                          |              |   |  |  |  |
| XV week lectures                 |                                |                          |              |   |  |  |  |
| XV week exercises                |                                |                          |              |   |  |  |  |



| Student w  | orkload                |   |   |   |   |                                       |  |  |
|--|------------------------|---|---|---|---|---------------------------------------|--|--|
| Per week   |                        | Per semester  |   |   |   |                                       |  |  |
| <pre>5 credits x 40/30=6 hours and 40 minuts 3 sat(a) theoretical classes 0 sat(a) practical classes 1 excercises 2 hour(s) i 40 minuts of independent work, including consultations</pre> |                        | Classes and final exam:<br>6 hour(s) i 40 minuts x 16 =106 hour(s) i 40 minuts<br>Necessary preparation before the beginning of the semester<br>(administration, registration, certification):<br>6 hour(s) i 40 minuts x 2 =13 hour(s) i 20 minuts<br>Total workload for the subject:<br>5 x 30=150 hour(s)<br>Additional work for exam preparation in the preparing exam period,<br>including taking the remedial exam from 0 to 30 hours (remaining time from<br>the first two items to the total load for the item)<br>30 hour(s) i 0 minuts<br>Workload structure: 106 hour(s) i 40 minuts (cources), 13 hour(s) i 20<br>minuts (preparation), 30 hour(s) i 0 minuts (additional work) |   |   |   |                                       |  |  |
| Student obligations  |                        |   |   |   |   |                                       |  |  |
| Consultations  |                        |   |   |   |   |                                       |  |  |
| Literature   |                        |   |   |   |   |                                       |  |  |
| Examination methods  |                        |   |   |   |   |                                       |  |  |
| Special remarks  |                        |   |   |   |   |                                       |  |  |
| Comment  |                        |   |   |   |   |                                       |  |  |
| Grade:   | F                      | E   | D | С   | В   | А                                     |  |  |
| Number<br>of points  | less than 50<br>points | greater than or<br>equal to 50 point<br>and less than 60<br>points  |   | greater than or<br>equal to 70 points<br>and less than 80<br>points | greater than or<br>equal to 80 points<br>and less than 90<br>points | greater than or<br>equal to 90 points |  |  |