DOCUMENTATION FOR ACCREDITATION OF THE HIGHER EDUCATION STUDY PROGRAM - MASTER ACADEMIC STUDIES

**Advanced Data Analytics in Business**

**Standard 5. Curriculum**

**Table 5. 1.** Distribution of courses across semesters and years of study

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Code** | **Course title** | **Semester** | **Number of hours** | **ECTS** |
| FIRST YEAR | | | | | |
| 1 | ADA20 | Quantitative Fundamentals | 1 | 75 | 7 |
| 2 | ADA01 | Managing, Storage and Visualising Big Data | 1 | 75 | 7 |
| 3 | ADA02 | Social Media Analytics | 1 | 75 | 7 |
| 4 | ADA03 | R for Data Science | 1 | 75 | 7 |
| 5 | ADA04 | Machine Learning | 2 | 75 | 7 |
| 6 | ADA05 | Big Data Fundamentals | 2 | 75 | 7 |
| 7 | ADA06 | Time Series | 2 | 75 | 7 |
| 8 | ADA07 | Business Cases | 2 | 75 | 7 |
| 9 |  | Internship in Company | 2 | 100 | 4 |
| Total hours of active teaching | | | | 600 |  |
| Total ECTS | | | | | 60 |
| SECOND YEAR | | | | | |
| 10 |  | Elective course 1 | 3 | 60 | 7 |
| 11 |  | Elective course 2 | 3 | 60 | 7 |
| 12 |  | Elective course 3 | 3 | 60 | 7 |
| 13 |  | Elective course 4 | 3 | 60 | 7 |
| 14 |  | Elective course 5 | 3 | 60 | 7 |
| 15 |  | Professional and research work (СИР) | 4 | 100 | 7 |
| 16 |  | Master Thesis | 4 | 200 | 18 |
| Total hours of active teaching | | | | 600 |  |
| Total ECTS | | | | | 60 |