**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Computers Engineering  |
| Level | Master |
| Program of study | Applied Computer Techniques and Technologies |

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| Course | **Database systems** |
| Code | 2TTIA1AS05 |
| Year of study (semester) | I (I) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Lecturer, Ph.D. Riurean Simona |

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| **No.** | **Topic** |
| 1 | Java technology in database systems |
| 2 | JDBC interface. JDBC drivers. Connecting to a database. |
| 3 | Construction and execution of SQL statements |
| 4 | *Resultset* interface. JDBC data types |
| 5 | Programmatic data updating |
| 6 | Dynamic SQL statements. SQLJ language |
| 7 | Java stored procedures. Trigger-e |