**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Systems Engineering |
| Level | Bachelor |
| Program of study | Automation and Applied Informatics |

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| Course | **Data bases** |
| Code | 2SA3OD20 |
| Year of study (semester) | II (I) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Lecturer., Ph.D. Riurean Simona |

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| **No.** | **Topic** |
|  | Introduction |
|  | SQL Generals, data types and constraints |
|  | Entity-Relationship modelling |
|  | The relational data model |
|  | SQL construction and queries |
|  | Functional dependencies and normal forms |
|  | Recap and exam preparation |