**Course Syllabus**

Academic year: **2020-2021**

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Mechanical Engineering |
| Level | Bachelor |
| Program of study | Mining machinery and equipment |

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| Course | Mining machines and installations I |
| Code | 2MM7OS53 |
| Year of study (semester) | IV (VII) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Lecturer Ph.D. Dinescu Stela |

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| **No.** | **Topic** |
|  | Rock dislocation processes |
|  | Mining machine cutting tools |
|  | Longwall mining equipment |
|  | Longwall shearers |
|  | Coal mining machine with rotating cutting drums |
|  | Roof suports |
|  | Drilling rigs |
|  | Tunnel boring machine |
|  | “ PIPE JACKING methods |