**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Power Engineering |
| Level | Bachelor |
| Program of study | Industrial Power Engineering |

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| Course | **Machine Parts** |
| Code | 2II6AS44 |
| Year of study (semester) | III (II) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | **Lecturer Ph.D. Adriana ZAMORA** |

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| **No.** | **Topic** |
|  | Cinematic couplings. Mechanisms structure. |
|  | Magnetic materials Kinematics of bar mechanisms. Examples. |
|  | Kinetostatics of bar mechanisms. Examples. |
|  | Cam mechanisms. Analysis and synthesis. |
|  | Dynamics of mechanisms. |
|  | Irregularity of operation and speed adjustment. |
|  | Balancing mechanisms. Bar synthesis mechanisms problems. |
|  | Gear mechanisms. |