**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 | Equipment for Industrial Processes |

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| Course | Process Equipment Manufacturing Engineering |
| Code | 2MU8OS60 |
| Year of study (semester) | IV (VIII) |
| Number of hours | 42 |
| Number of credits | 4 |
| Professor | Lecturer Ph.D. Vlad Alexandru FLOREA |

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| **No.** | **Topic** |
|  | Production process. Technological process. Structural elements of the manufacturing process |
|  | Processing precision |
|  | Bases and dimensions |
|  | Surface quality |
|  | Design technological processes |
|  | Manufacturing technologics for the class of parts (shafts, holes, planesurfaces, gears, etc.) |
|  | Erosion processing |
|  | Processing on numerical control machine tools |
|  | Operation lines and flexible manufacturing systems |
|  | Assembly equipment and installations |