

## Course Syllabus

Academic year: 2018-2019

|                  |                                       |
|------------------|---------------------------------------|
| Institution      | University of Petroșani               |
| Faculty          | Mechanical and Electrical Engineering |
| Field of study   | Industrial engineering                |
| Level            | Bachelor                              |
| Program of study | Machine Building Technology           |

|                          |  |
|--------------------------|--|
| Course                   | <b>Technology of cold pressing - project</b> |
| Code                     | 2BB7OD55                                     |
| Year of study (semester) | IV (VII)                                     |
| Number of hours          | 28   |
| Number of credits        | 2  |
| Professor                | Lecturer eng,Ph.D. ITU Vilhelm               |

| No. | Topic   |
|-----|---|
| 1.  | Issue of the project theme; Analysis of the shape and size of the piece; Determination of form and size of the blank; Establishing variants of technological itineraries; Cutting calculations; Choosing the optimal variant of the technology and adopting the basic sketches of the plastic deformation tools necessary to achieve the given benchmark; Determining the dynamic conditions in the process. Choosing the pressing machine; Determining the dimensions of the active elements (mainly the active plate) and, depending on them, the choice of the standard elements; Sizing and verifying highly requested items; Functional Dimensions; Check the graphic. |
| 2.  |   |