

## 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>Unconventional Technologies</b>       |
| Code                     | 2BB8OD60                                 |
| Year of study (semester) | IV (VIII)                                |
| Number of hours          | 42                                       |
| Number of credits        | 3  |
| Professor                | Lecturer eng,Ph.D. URDEA Gheorghe-Bogdan |

| No. | Topic  |
|-----|--|
| 1.  | Fields of use of unconventional technologies |
| 2.  | Electro-erosion processing                   |
| 3.  | Electrochemical erosion treatment            |
| 4.  | Machining by chemical corrosion              |
| 5.  | Plasma erosion processing                    |
| 6.  | Radiation erosion processing                 |
| 7.  | Laser erosion processing                     |
| 8.  | Abrasion erosion processing                  |
| 9.  | Ultrasound processing                        |