

## 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>Basics of Computer Assisted Tech. Design</b> |
| Code                     | 2BB7OD51  |
| Year of study (semester) | IV (VII)  |
| Number of hours          | 56  |
| Number of credits        | 5   |
| Professor                | Lecturer eng,Ph.D. COZMA Bogdan-Zeno            |

| No. | Topic  |
|-----|--|
| 1.  | Manufacturing. Historic.                               |
| 2.  | Numerically controlled machines. General notions.      |
| 3.  | Materials for parts and tools. Defining parent groups. |
| 4.  | Turning  |
| 5.  | Milling of flat surfaces                               |
| 6.  | Milling of contoured surfaces                          |
| 7.  | Multi-axis milling                                     |
| 8.  | Programming of CNC. Fixed cycles.                      |