**Course Syllabus**

Academic year: 2020-2021

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Mechanical and electric engineering |
| Field of study | Electrical Engineering |
| Level | Bachelor |
| Program of study | Electromechanics |

|  |  |
| --- | --- |
| Course | **Microcotrollers and Integrated Systems** |
| Code | 2EE4OD56 |
| Year of study (semester) | IV (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Lecturer Slusariuc Ioan Razvan |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Internal architecture of a microcontroller |
|  | Microcontroler extensions |
|  | CAN – Bus shield extension |
|  | Controlul si mettering of a process |
|  | Control and mettering C++ algorithm for the process |
|  | DC drive control |
|  | DC drive control algorithm with web interface |