**Course Syllabus**

Academic year: 2020-2021

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Computers and Information Technology |
| Level | Bachelor |
| Program of study | Computers Engineering |

|  |  |
| --- | --- |
| Course | **Virtual instrumentation** |
| Code | 2CC7AD49 |
| Year of study (semester) | IV (I) |
| Number of hours | 84 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. PATRASCOIU Nicolae |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Generalities of LabWindows/CVI |
|  | Designing virtual instruments in LabWindows/CVI  |
|  | LabVIEW graphical programming |
|  | Designing virtual instruments in LabVIEW  |
|  | Basics of data acquisition and processing |
|  | Data acquisition cards |