**Course Syllabus**

Academic year: 2020-2021

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

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| Course | **Computer-Aided Process Control** |
| Code | 2EE7OS55 |
| Year of study (semester) | IV (I) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Assoc. Prof., Ph.D. TITU Niculescu |

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| **No.** | **Topic** |
|  | Introductory elements for managing industrial processes from the perspective of smart systems |
|  | Data acquisition systems |
|  | Analog multiplexers used in data acquisition systems. |
|  | Sampling-memory circuits used in data acquisition systems |
|  | Data conversion circuits used in data acquisition systems |
|  | Digital-analog converters |
|  | Analog-digital converters |