**Course Syllabus**

Academic year: 2020-2021

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

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| Course | **Servosystems** |
| Code | 2EE8OS63 |
| Year of study (semester) | IV (VIII) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Lecturer Ph.D. Popescu Florin Gabriel |

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| **No.** | **Topic** |
|  | General structure, classification and applications of servosystems. Servo electric systems, main features. |
|  | DC servomotors with permanent magnets. |
|  | Order DC servomotors with permanent magnets. |
|  | Speed and position adjustment schemes with DC drives. |
|  | The three-phase asynchronous servomotor model. |
|  | Adjustment and command with field-orientation of the three-phase asynchronous machine. |
|  | Servosystems with synchronous machines with permanent magnets. |