**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and electrical engineering |
| Field of study | System Engineering |
| Level | Bachelor |
| Program of study | Automation and Applied Informatics |

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| Course | **Electrotehnics** |
| Code | 2SA1OD05 |
| Year of study (semester) | I (I) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. TITU Niculescu |

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| **No.** | **Topic** |
|  | The stationary electric phenomenon |
|  | The electro-kinetic phenomenon |
|  | The stationary magnetic phenomenon |
|  | The variable electromagnetic phenomenon |
|  | DC electric circuits |
|  | Methods of analysis of DC electric circuits |
|  | Nonlinear circuits |
|  | Electric circuits in sinusoidal mode |
|  | Electric circuits in deforming mod |
|  | Electrical circuits in transient mode |