**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 | **Electric Circuits Theory I** |
| Code | 2EE2OD13 |
| Year of study (semester) | I (II) |
| Number of hours | 56 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. STOCHITOIU MARIA DANIELA |

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| **No.** | **Topic** |
|  | The physical sizes used in the electrical circuit theory |
|  | The fundamental relations of electrocinetic stage |
|  | The continuous current circuits . Structure, classification, the calculus methods, Kirchhoff theorems, current webs, divisors  |
|  | Method of analysis the continuous current circuits |
|  | Study of the nonlinear continuous current circuit |
|  | The alternative current circuits |
|  | The resolving methods of a.c. circuits |