**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Systems Engineering |
| Level | Bachelor |
| Program of study | Automation and Applied Informatics |

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| Course | **Physics** |
| Code | 2SA2OF13 |
| Year of study (semester) | I (II) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Assoc. Prof., Ph.D. Constantin Dan Buioca |

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| **No.** | **Topic** |
|  | Physical quantities and measuring units |
|  | Dimensional analysis |
|  | Measurement of physical quantities and errors |
|  | Computational physics |
|  | Mechanical quantities and laws |
|  | Electrical quantities and laws |
|  | Magnetical quantities and laws |
|  | Optical quantities and laws |