**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 | **Mathematical Analysis** |
| Code | 2SA1OF02 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Asist. Prof., Ph.D. TOMESCU Mihaela Aurelia |

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| **No.** | **Topic** |
|  | Sequences and series of real numbers. |
|  | Sequences and series of functions. |
|  | Differential calculus for real functions of several variables. |
|  | Improper integrals. |
|  | Curvilinear integrals. |
|  | Double integrals. |
|  | Triple integrals. |
|  | Surface integrals. |