**Course Syllabus**

Academic year: **2018-2019**

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| Institution | University of Petroşani |
| Faculty | Sciences |
| Field of study | Industrial Engineering |
| Level | Bachelor |
| Program of study | Safety Engineering in Industry |

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| Course | **Mathematical Analysis** |
| Code | IDISFO101 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Assoc. Prof. Ph.D. DOBRIŢOIU Maria |

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| **No.** | **Topic** |
|  | Series of real numbers |
|  | Sequences and series of real functions |
|  | Functions of several real variables |
|  | Improper integrals. Integrals depending on a parameter |
|  | Line integrals |
|  | Multiple integrals (double and triple integrals) |
|  | Surface integrals |