**Course Syllabus**

Academic year: **2018-2019**

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Sciences |
| Field of study | Mines, Oil and Gas |
| Level | Bachelor |
| Program of study | Mining Engineering, Surveying |

|  |  |
| --- | --- |
| Course | **Mathematical Analysis** |
| Code | MNIMFO101 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Assoc. Prof. Ph.D. DOBRIŢOIU Maria |

|  |  |
| --- | --- |
| **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 |