**Course Syllabus**

Academic year: **2018-2019**

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Mining |
| Field of study | Engineering and Management |
| Level | Bachelor |
| Program of study | Economic Engineering in Constructions |

|  |  |
| --- | --- |
| Course | Linear algebra, analytical and differential geometry |
| Code | IMIEFOI02 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | lecturer., Ph.D. STOIAN Sorin Mirel |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Vectorial Spaces |
|  | Euclidean Spaces |
|  | Linear Transformation |
|  | Bilinear and Quadratic Forms |
|  | Free Vectors in the Euclidean Affine Space E |
|  | Analytical Geometry in E |
|  | Differential Geometry |