**Course Syllabus**

Academic year: **2018-2019**

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| Institution | University of Petroşani |
| Faculty | Mining |
| Field of study | Mine, Petroleum and Gas |
| Level | Bachelor |
| Program of study | Mining Engineering  |

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| --- | --- |
| Course | Linear algebra, analytical and differential geometry |
| Code | MNIMFO102 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | lecturer., Ph.D. STOIAN Sorin Mirel |

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| **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  |