**Course Syllabus**

Academic year: **2018-2019**

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| Institution | University of Petroşani |
| Faculty | Sciences |
| Field of study | Accounting |
| Level | Bachelor |
| Program of study | Accounting and Information Management |

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| Course | **Applied Mathematics for Economics** |
| Code | C.A.1.1.01 |
| Year of study (semester) | I (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Assoc. Prof., Ph.D. Popescu Anamaria |

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| **No.** | **Topic** |
|  | Linear optimization |
|  | Analysis of functions of a real variable: derived, integral, economic application |
|  | Analysis of functions of several real variables: partial, differential, economic applications |
|  | Extreme for functions of several real variables |
|  | Extremes conditional for functions of several real variables  probabilities |
|  | Probabilistic schemes |
|  | Random variables |
|  | Numeric characteristics of random variable |