**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical And Electrical Engineering Faculty |
| Field of study | Computers and Information Technology |
| Level | Master |
| Program of study | Applied Computer Techniques and Technologies |

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| Course | **Blockchain based software applications** |
| Code | 2TTIA1OS15 |
| Year of study (semester) | II (I) |
| Number of hours | 84 |
| Number of credits | 7 |
| Professor | Assoc. prof. eng. Egri Angela, Ph.D. |

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| **No.** | **Topic** |
|  | Cryptographic systems |
|  | Cryptocurrencies and in decentralized systems |
|  | The Ethereum platform |
|  | Smart Contact Development (Solidity) |
|  | Ethereum Blockchain implementation |
|  | Smart Contracts Front-End |