**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Computers Engineering |
| Level | Master |
| Program of study | Applied Information Technics and Technologies |

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| Course | **Software applications in biomedicine** |
| Code | 2TTIA1OS03 |
| Year of study (semester) | I (I) |
| Number of hours | 84 |
| Number of credits | 7 |
| Professor | Prof., Habil., Ph.D. Monica LEBA |

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| **No.** | **Topic** |
|  | Biomedical engineering concepts |
|  | Sensors. Rehabilitation engineering |
|  | Exoskeletons. Prosthetics |
|  | Cardiac engineering |
|  | Psychological system modelling. Neural systems modelling |
|  | Biomedical Imagistics |
|  | Wearables |