**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 Computer Techniques and Technologies |

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| Course | **Software applications for mobile devices** |
| Code | 2TTIA4AS17 |
| Year of study (semester) | II (II) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Lecturer, Ph.D. Riurean Simona |

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| **No.** | **Topic** |
| 1 | Eclipse development environment and Android SDK. Presentation.  |
| 2 | Development of Activity components |
| 3 | Communication between Android components. |
| 4 | Intent. Permissions. |
| 5 | Fragments. User interfaces |
| 6 | Threads. User notification. Networking. |
| 7 | Gestures. Graphics and multimedia. Use of maps. Google Maps. Sensors. Persistence |