**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering  |
| Field of study | Computer Engineering |
| Level | Master |
| Program of study | Applied information techniques and technologies |

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| Course | **Quality Management** |
| Code | 2TTIA1OS13 |
| Year of study (semester) | II (I) |
| Number of hours | 42 |
| Number of credits | 4 |
| Professor | Prof., Ph.D. IONICĂ Andreea |

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| **No.** | **Topic** |
|  | Quality management system (QMS) and software quality approaches |
|  |  The PDCA cycle and life cycle models of software products. Software development methodologies. Waterfall vs. Agile |
|  | Quality management tools integrated in software development |
|  | Software applications for quality management support. Quality Function Deployment (QFD). QFD and Agile software quality management model |