**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 | **Human-Machine Interfaces** |
| Code | 2TTIA1OS18 |
| Year of study (semester) | II (II) |
| Number of hours | 80 |
| Number of credits | 6 |
| Professor | Lecturer eng. Sirb Vali, Ph.D. |

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| **No.** | **Topic** |
|  | Principles of realizing human -machine interfaces. |
|  | Design of human-machine interfaces. |
|  | Hardware. Input devices. Output Devices. Software. Schemes to interact. |
|  | Making graphical machine- human interfaces. |
|  | Examples of environments for developing human-machine interfaces for industrial processes. |
|  | WinCC development environment. |
|  | Designing interfaces using WinCC. |