**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 |  **Software applications in automotive** |
| Code | 2TTIA1OS06 |
| Year of study (semester) | I (II) |
| Number of hours | 84 |
| Number of credits | 7 |
| Professor | Assoc. prof. dr, eng. Stoicuta Olimpiu-Costinel  |

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| **No.** | **Topic** |
|  | Computer applications used in the mechanical design of motor vehicles. |
|  | Presentation of the CATIA Part Design module. |
|  | Presentation of the CATIA Assembly Design module. |
|  | Presentation of the Wireframe and Surface Design module. |
|  | Presentation of the design of electrical / electronic systems of vehicles using the Mentor Automotive Capital suite. |
|  | Presentation of the Mentor Automotive Connectivity module. |
|  | Presentation of the Mentor Automotive Autonomous module. |
|  | Presentation of the Mentor Automotive Electrification module. |
|  | Presentation of the Mentor Automotive Architecture module. |