**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Engineering systems |
| Level | Master |
| Program of study | Systems and Information Technology |

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| Course | **Information systems in the automotive industry** |
| Code | 2STI4OS16 |
| Year of study (semester) | II (II) |
| Number of hours | 84 |
| Number of credits | 7 |
| Professor | Ph.D. VAMVU Petre Marian |

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| **No.** | **Topic** |
|  | Introductory notions about the typologies of automotive information systems |
|  | Levels of automotive information systems and definition of specifications |
|  | Processes and techniques used in the development of automotive information systems |
|  | Electrical and electromagnetic compatibility for systems  automotive informatics |
|  | Quality assurance of automotive information systems |
|  | Techniques and applications specific to the software and hardware fields for automotive information systems |