**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | TRANSPORT ENGINEERING |
| Level | Bachelor |
| Program of study | TRANSPORT AND TRAFFIC ENGINEERING |

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| Course | **Internal combustion engines** |
| Code | 2TT3OD29 |
| Year of study (semester) | II (II) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Prof. Ph.D. PETRILEAN Dan Codrut |

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| **No.** | **Topic** |
|  | GAS CARS IN GENERAL |
|  | PISTON INTERNAL COMBUSTION ENGINES |
|  | ENGINE ENERGY BALANCE |
|  | FUEL SUPPLY INSTALLATIONS |
|  | POWER SUPPLY INSTALLATIONS |
|  | FUNCTIONAL CHARACTERISTICS |
|  | COMBUSTION OF FUELS |
|  | GAS DISTRIBUTION |
|  | ENGINE COOLING SYSTEMS |
|  | Steam thermal machines |
|  | GREASING OF INTERNAL COMBUSTION ENGINES |
|  | THE BURNING PROCESS IN THERMAL ENGINES |