**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Computers and Information Technology |
| Level | Bachelor |
| Program of study | Computer engineering |

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| Course | **Algorithms design** |
| Code | 2CC2OD09 |
| Year of study (semester) | I (II) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Prof., Habil., Ph.D. Monica LEBA |

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| **No.** | **Topic** |
|  | Algorithms introduction |
|  | Program design lifecycle |
|  | Divide et Impera |
|  | Dynamic programming |
|  | Greedy |
|  | Backtracking |
|  | Applications |