**Course Syllabus**

 Academic year: **2020-2021**

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| Institution | University of Petroşani |
| Faculty | **Mechanical and Electrical Engineering** |
| Field of study | [Mining Machines and Equipment](https://www.upet.ro/en/resource/doc/plans/mee/2019/Mining%20Machines%20and%20Equipment.pdf) |
| Level | License |
| Program of study | Equipment for industrial processes |

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| --- | --- |
| Course | Design of process equipment I |
| Code |  |
| Year of study (semester) | IV (VII) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Assoc. Prof., Ph.D. TOMUȘ Ovidiu-Bogdan |

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| **No.** | **Topic** |
|  | Drainage systems  |
|  | Volumetric and special pumps used in industry |
|  | Centrifugal pumps |
|  | Drainage stations |
|  | Centrifugal fans |
|  | Piston air compressors |
|  | Hydraulic and rotary volume compressors |
|  | Turbochargers |