

UNIVERSITY OF NIŠ

| Course Unit Descriptor | | Facult | ty | Faculty of M | chanical Engineering | | |
|--|--|--|---|---|--|--|-------------------|
| GENERAL INFORMATION | | | | | | | |
| Study Program | Traffic engineering, transport and logistics | | | | | | |
| Study Module (if applicable) | - | | | | | | |
| Course Title | Pipe transportation | | | | | | |
| Level of Study | Bachelor | | 🛛 Mas | ⊠ Master's □ Doctora | | | |
| Type of Course | □ Obligatory | | 🛛 Eleo | tive | | | |
| Semester | 🛛 Autumn | | 🗆 Spri | ng | | | |
| Year of Study | 1 | | | | | | |
| Number of ECTS Allocated | 6 | | | | | | |
| Name of Lecturer/Lecturers | Saša Milanović, Jasmina B. Bogdanović-Jovanović | | | | | | |
| | ⊠ Lecture | ⊠ Lectures | | roup tutorials 🛛 Individual tutorials | | tutorials | |
| Teaching Mode | 🗆 Laborat | □ Laboratory work | | Project work 🛛 🖂 Seminar | | | |
| | □ Distanc | □ Distance learning | | □ Blended learning □ Ot | | | |
| Purpose and Overview (max. 5 s | sentences) | | | | | | |
| Introduction to the principles of v Understanding the characteristic | | | | | | | |
| Syllabus (brief outline and sum | - | | | | | | |
| 1) Water supply systems, classifi drop in pipelines. 3) Pump opera system with reservoirs. 5) Oil pi Hydraulic calculation of pipeline pipeline in non-isothermal flow. drop for isothermal gas flow. 9) Physical properties of mixtures; flow; | iting regimes i pelines - techr for isotherma 7) Gas pipelin Transportatio | in water supp nology of oil t al flow; Temp es - classification on of solid ma | bly system transporta erature dr tion and e aterials in t | s. 4) Hydrauli tion in pipelir op along the lements . 8) E the fluid flow | c calculation of nes and systems oil pipelines and Differential equa - hydraulic and p | main water pipeline of oil heating. 6) d hydraulic calculation ation of gas flow. Press pneumatic conveying. | of sure 10) |
| Language of Instruction | | | | | | | |
| ⊠Serbian (complete course) | 🛛 Eng | glish (comple | ete course |) 🗆 C | other | (complete course | e) |
| □Serbian with English mentorir | lg □Ser | bian with oth | ner mento | ring | | | |
| Assessment Methods and Crite | ria | | | | | | |

| Pre exam Duties | Points | Final Exam | Points | | | | |
|--|--------|---------------------|---|--|--|--|--|
| Activity During Lectures | 5 | Written Examination | Max 40, depending on Teaching Colloquia | | | | |
| Practical Teaching | 5 | Oral Examination | 50 | | | | |
| Teaching Colloquia | 40 | Overall Sum | 100 | | | | |
| *Final examination mark is formed in accordance with the Institutional documents | | | | | | | |