# UNIVERSITY OF NIŠ

| Course Unit Descriptor | Faculty | Faculty of Mechanical Engineering |
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| GENERAL INFORMATION | | | |
|---|---|---|---|
| Study Program | Mechanical Engineering | | |
| Study Module (if applicable) | - | | |
| Course Title | Gas technology | | |
| Level of Study | ☒Bachelor | ☐ Master's | ☐ Doctoral |
| Type of Course | ☐ Obligatory | ☒ Elective | |
| Semester | ☐ Autumn | ☒ Spring | |
| Year of Study | IV | | |
| Number of ECTS Allocated | 8 | | |
| Name of Lecturer/Lecturers | Velimir P. Stefanović | | |
| Teaching Mode | ☒ Lectures | ☐ Group tutorials | ☐ Individual tutorials |
| | ☒ Laboratory work | ☒ Project work | ☒ Seminar |
| | ☐ Distance learning | ☐ Blended learning | ☐ Other |

**Purpose and Overview (max. 5 sentences)**

*Introduce students to the basics of gas technology and study the basic principles for the design elements and installations in the gas technique. After passing the exam, the student will be able to independently at my calculation methodology commonly of applied gas installations and elements of installations in engineering practice.*

**Syllabus (brief outline and summary of topics, max. 10 sentences)**

1) Introduction, classification of gaseous fuel and power applications, 2) The basic gas laws, 3) Systems for the supply of natural gas, 4) Elements of the system for the supply of natural gas, 5) Gas pipelines and fittings, 6) Measuring and regulating station, 7) Devices for combustion of natural gas-classification and area of application, 8) Gas installations in buildings, 10) Specific features of design and construction installation with TNG

**Language of Instruction**

☒Serbian (complete course) ☐ English (complete course) ☐ Other _____ (complete course)

☐Serbian with English mentoring ☐Serbian with other mentoring _____

**Assessment Methods and Criteria**

| Pre exam Duties | Points | Final Exam | Points |
|---|---|---|---|
| Activity During Lectures | 5 | Written Examination | 50 |

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| **Practical Teaching** | **70** | **Oral Examination** | **Max. 30 (depending on Teaching Colloquia)** |
| **Teaching Colloquia** | **0** | **Overall Sum** | **100** |
| ***Final examination mark is formed in accordance with the Institutional documents** | | | |