Faculty of Transport Engineering

| STUDY MODULE DI | ESCRIPTION FORM | |
|---|--|----------------------------------|
| Name of the module/subject | Code | |
| Ecology of Gas and Fluid Transmission | | 1010634361010622995 |
| Field of study | Profile of study (general academic, practical) | Year /Semester |
| Transport | general academic | 3/6 |
| Elective path/specialty | Subject offered in: | Course (compulsory, elective) |
| Engineering of Pipeline Transport | Polish | obligatory |
| Cycle of study: | Form of study (full-time,part-time) | |
| First-cycle studies | part-time | |
| No. of hours | | No. of credits |
| Lecture: - Classes: - Laboratory: 9 | Project/seminars: | - 1 |
| Status of the course in the study program (Basic, major, other) | (university-wide, from another fi | eld) |
| other university-wide | | |
| Education areas and fields of science and art | | ECTS distribution (number and %) |
| technical sciences | | 1 100% |
| Technical sciences | | 1 100% |
| Responsible for subject / lecturer: dr inż. Piotr Lijewski | | |

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Faculty of Working Machines and Transportation

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Prerequisites in terms of knowledge, skills and social competencies:

| 1 | Knowledge | the student has a basic knowledge of environmental threats [PRK4] | |
|---|---------------------|--|--|
| 2 | Skills | student is able to interpret the information obtained and the ability to self-inference and opinion [PRK4] | |
| 3 | Social competencies | student is aware of the dangers of environmental pollution [PRK4] | |

Assumptions and objectives of the course:

exam

Study outcomes and reference to the educational results for a field of study

Knowledge:

- 1. has basic knowledge about the life cycle of transport means, both hardware and software, and in particular about the key processes taking place in them - [T1A_W06 [P6S_WG]]
- 2. has knowledge of ethical codes regarding transport engineering, is aware of the threats related to environmental protection and understands the specificity of critical systems for security reasons (mission-critical systems) - [T1A_W08 [P6S_WG]]

- 1. is able to obtain information from various sources, including literature and databases, both in Polish and in English, appropriate to integrate them, make their interpretation and critical evaluation, draw conclusions, and fully justify the opinions they - [T1A_U01 [P6S_UW]]
- 2. can see in the process of formulating and solving tasks in the field of transport engineering also non-transport aspects, in particular social, legal and economic issues - [T1A_U05 [P6S_UW]]
- 3. can assess at least in the basic scope different aspects of risk associated with a transport undertaking -[T1A_U06 [P6S_UW]]
- 4. can design elements of transport using data on environmental protection [T1A_U12 [P6S_UW]]

Social competencies:

- 1. understands that in technology, knowledge and skills quickly become obsolete [T1A_K01 [P6S_KK]]
- 2. is aware of the importance of knowledge in solving engineering problems and knows examples and understands the reasons for malfunctioning transport systems that led to serious financial and social losses or to serious health and even life -[T1A_K02 [P6S_KK]]

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Contact hours

Practical activities