



FACULTY: ENVIRONMENTAL ENGINEERING

COURSE TITLE: Municipal Infrastructure

Course code:

Number of contact hours: 40

Duration: 1 semester (spring)

ECTS credits: 4

Programme description:

The course covers the general information about classification and characteristics of district heating systems and gas piping. It introduces the knowledge of the construction, solutions and components of the heating system, knowledge of the basic processes of heating systems operation. Also mastering the skills needed to develop, in accordance with the specification, the design of the district heating and the thermal substations are included in the course.

The main topics of the course are listed below:

- Hydraulic and technological systems of thermal substations
- Modern technologies for gas installations
- Basics of hydraulic calculations and dimensioning of heating network piping

Course type: lectures (30), project (10)

Literature:

Assessment method: test, design exercise

Lecturer: PhD Eng Jarosław Müller, PhD Eng Agnieszka Lechowska

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