
Course title: SELECTED ISSUES FROM SANITARY NETWORKS and INSTALLATIONS

ECTS credit allocation (and other scores): 1.5

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Engineering and technology

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: prof. dr hab. inż. Wojciech Janczukowicz; jawoj@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Determining the demand for water, hydraulic and pressure calculations of the water supply network, dimensioning of the water supply connection. Designing a water supply and sewage system for a residential buildings area, determining the amount of water and domestic wastewater, design of water and wastewater installations, a house sewer and household sewage treatment plant. Designing rainwater drainage pipes.

Learning purpose: Acquainting with the principles of designing water, sewage networks and installations

On completion of the study programme the graduate will gain:

Knowledge: Student knows and understands the principles of designing water, sewage networks and installations.

Skills: Student is able to use the known principles of design in order to design a water supply and sewage networks, water and sewage installations and household sewage treatment plants

Social Competencies: He is ready for continuous training and improvement of professional competences, including those of importance in environmental engineering

Basic literature:

1. Bąkowski K., Sieci i instalacje gazowe, Wyd. PWN Warszawa, R. 2008
2. Chudzicki J., Sosnowski S., Instalacje kanalizacyjne- projektowanie, wykonanie, eksploatacja, Wyd. Seidel-Przywecki W-wa, R. 2009
3. Chudzicki J., Sosnowski S., *Instalacje kanalizacyjne- projektowanie, wykonanie, eksploatacja*, Wyd. Seidel-Przywecki W-wa, R. 2009
4. Sosnowski S., Tabernacki J., Chudzicki J., Instalacje wodociągowe, kanalizacyjne, Wyd. Instalator Polski W-wa, R. 2000
5. McGhee T.J., Water supply and sewerage, McGraw-Hill International Editions, International Edition, 1999
6. Nicoll E.H., Small water pollution control works, design and practice, Ellis Horwood, 1992
7. Bąkowski K., Chudzicki J., Instalacje sanitarne. Nowy poradnik majstra budowlanego, Wyd. Arkady, R. 2003

Supplementary literature:

1. Praca zbiorowa, Instalacje wodociągowe, ogrzewcze i gazowe z miedzi, Wyd. Polskie Centrum Promocji Miedzi, R. 2000
 2. Cieślowski S., Krygier K., Technologia instalacje sanitarne , Wyd. WSiP, Warszawa, R. 1998
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The allocated number of ECTS points consists of:



Contact hours with an academic teacher:

- participation in: project classes - 30.0 h
- consultation - 2.0
- total: 32.0 h.

Student's independent work:

preparation for colloquium tests, preparing homework - 10.00 h