



Faculty of Geoengineering

Course title: SELECTED ISSUES IN WATERWORKS AND IN SEWERAGE

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: dr hab. inż. Urszula Filipkowska, prof. UWM;
urszula.filipkowska@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Calculation rules for the ring water supply network using the Cross method. Rules of designing and calculating elements of pressure and vacuum sewage systems.

Learning purpose: Expanding knowledge in the field of calculations of water supply and sewage networks. Principles of designing a ring water supply network as well as pressure and vacuum sewage systems.

On completion of the study programme the graduate will gain:

Knowledge: knows the rules of calculating a ring water network using the Cross method and the principles of designing and calculating the elements of pressure and vacuum sewage systems.

Skills: can design elements of the ring water supply network, pressure and vacuum sewage system.

Social Competencies: demonstrates independence and creativity in the performance of basic design works.

Basic literature: 1) Mielcarzewicz E, Obliczanie systemów zaopatrzenia w wodę., wyd. Arkady Warszawa, 2000; 2) Bień J., Cholewińska M., Kanalizacja podciśnieniowa i ciśnieniowa., wyd. Wydawnictwo Politechniki Częstochowskiej, 1995; 3) Denczew S., Królikowski A., Podstawy nowoczesnej eksploatacji układów wodociągowych i kanalizacyjnych, wyd. Arkady Warszawa, 2001.

Supplementary literature:

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 1.04

Student's independent work: 0.96