

Title Water Supply	Code 1010101241010130347
Field Environmental Engineering First-cycle Studies	Year / Semester 2 / 4
Specialty -	Course core
Hours Lectures: 2 Classes: 1 Laboratory: - Projects / seminars: 1	Number of credits 6
Language polish	

Lecturer:

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Faculty:

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Status of the course in the study program:

Core course

Assumptions and objectives of the course:

The main aim of the course is to familiarize students with: water resources, water supply systems, methods of their planning, designing, and the principles of their execution and exploitation.

Contents of the course (course description):

Water resources and water cycle. Water requirement. Water intakes and protection zones. Water transport. Water distribution systems. The principles of match and dimensioning of components in planning and designing. The components of fittings and principles of waterworks pipe-laying in street section, demands and inspection during acceptance inspection. The principles of exploitation. Organizational and legislative conditions connected with planning and exploitation of waterworks devices.

Introductory courses and the required pre-knowledge:

Fluid Mechanics I

Courses form and teaching methods:

Lectures, Seminars
Project exercises

Form and terms of complete the course - requirements and assessment methods:

Exam, test

Basic Bibliography:

1. T.Gabryszewski Wodociągi Arkady Warszawa 1983
2. E.W. Mielcarzewicz Obliczanie systemów zaopatrzenia w wodę Arkady Warszawa 2000
3. T. Gabryszewski, A. Wieczysty Ujęcia wód podziemnych Arkady Warszawa 1985
4. Grabarczyk Cz. Przepływy cieczy w przewodach. Metody obliczeniowe Envirotech Poznań 1997
5. Praca Zbiorowa. Red. M.Szozański Wodociągi i kanalizacja w Polsce tradycja i współczesność Polska Fundacja Ochrony Poznań,Bydgoszcz 2002
6. .W. Petrozolin Projektowanie sieci wodociągowych Arkady Warszawa 1974

Additional Bibliography:

