COURSE SYLLABUS SEMESTER SPRING 2020-2021

Name of Course	**PLANNING OF WATER SUPPLY AND SEWERAGE**
Course Code	MSB420ANEP
Allotment of Hours per Week	1 Lecture, 2 Practices
Number of Credits	4
Program	Civil Engineer BSc.
Evaluation	Exam (with grade)
Semester	4nd
Prerequisites	Hydrology and Engineering Fluid Mechanics 3.
Department	Civil Engineering
Instructor	Dr. Judit PÁL-SCHREINER

INTRODUCTION, GENERAL COURSE DESCRIPTION

This course exposes students to an expansive suite of topics and methods within the field of water supply and sewerage.

LEARNING OBJECTIVES

Engineering networks as a part of technical infrastructure in towns and cities. Water supply and sewerage types, categories, forms of placing, spatial arrangement, forms of construction. Technical requirements for design, structure and operation of water supply and sewerage.

Methodology:
- Lectures: Lectures will give an introduction to the basic knowledge of the water supply and sewerage.
- Practical classes: Students will be able to practice the basic calculations and design through sample examples.
- Exam test: Accumulated knowledge is tested in an exam test.

Schedule:

Week 1 Course description, Orientation
Week 2 The water supply system, the elements of public water supplies (Judit)
Week 3 Classification of public sewer systems, based on the operation of the sewer and based on the type of collection and conduct (Judit)
Week 4 Exam test and the 1st Presentation
Week 5 Presentation
Week 6 Presentation
Week 7 Presentation
Week 8 Presentation
Week 9 Presentation
Week 10 Spring Break- no classes
Week 11 Presentation
Week 12 Presentation
Week 13 Presentation
Week 14 Presentation
Week 15 Retake (if required)

ATTENDANCE AND GRADING

Attendance:

Attending is required all classes, and will impact the grade (max. 10%). Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lesson will be grounds for failing the class. To be in class at the beginning time and stay until the scheduled end of the lesson is required, tardiness of more than 20 minutes will be counted as an absence. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

Grading:

Grading will follow the course structure with the following weight

10% - Class attendance, class activity
20 % - Exam Test
70% - Presentation

A minimum of 55% is required to pass the exam

Offered exam grade:

Evaluation in percents	Numeric grade
89%-100%	5
77%-88%	4
66%-76%	3
55%-65%	2
0-54%	1

READINGS AND REFERENCE MATERIALS

[1.] Hamada, M. et al (2014): Critical Urban Infrastructure Handbook, CRC Press ISBN-13:978-1466592049 ISBN-10:1466592044
[2.] Every Drop Counts-Environmentally Sound Technologies for Urban and Domestic Water Use Efficiency URL://www.unep.or.jp/