

COURSE SYLLABUS SEMESTER 2020-2021/FALL

Name of Course	Hydraulic Engineering
Course Code	MSB432AN
Allotment of Hours per Week	1/2/0
Number of Credits	5
Program	Civil Bsc
Evaluation	nappali
Semester	exam
Prerequisites	Hydrology, Eng.Fluid Mech.3.
Department	Department of Civil Engineering
Instructor	Dr. Pál-Schreiner Judit

INTRODUCTION, GENERAL COURSE DESCRIPTION

This course exposes students to an expansive suite of topics and methods within the field of Hydraulic Engineering

LEARNING OBJECTIVES**Methodology:**

Lectures, study cases will give an introduction to the basic knowledge of the hydraulic engineering. Exam test and presentations are tested the accumulated knowledge.

Schedule:

Week	Topic of lecture
Week 1	Course description; Orientation
Week 2	Definition Hydraulic Engineering, preparing project, Case studies
Week 3	Case studies
Week 4	Case studies
Week 5	Examtest
Week 6	Presentation 1-the problem
Week 7	Consultation
Week 8	Fall Break – no classes
Week 9	Presentation 2-the technics, method (part1)
Week 10	Presentation 2-the technics, method (part2)
Week 11	Consultation
Week 12	Consultation
Week 13	Presentations 3- the result (part1)
Week 14	Presentation 3-the result (part2)
Week 15	Retake exam test (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:

25%- examtest (min 12.5%)
25%- presentation 1 (min 12.5%)
25%- presentation 2 (min 12.5%)
25%- presentation 3 (min 12.5%)

Offered exam grade:

Evaluation in percents	Numeric grade
89%-100%	5
77%-88%	4
66%-76%	3
50%-65%	2
0-49%	1

READINGS AND REFERENCE MATERIALS

NED H. C. HWANG, ROBERT J. HOUGHTALEN: Fundamentals of Hydraulic Engineering Systems

JOHN A. ROBERSON, JOHN JOSEPH CASSIDY, M. HANIF CHAUDHRY: Hydraulic Engineering