

Tárgytematika / Course Description

Public Works

EKNB_KETA028

Tárgyfelelős neve /

Teacher's name: Koch Róbert

Félév / Semester: 2021/22/2

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/1/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

To learn the fundamental concepts in environmental engineering and public works, design water distribution systems, water and wastewater treatmenton control processes

TANTÁRGY TARTALMA / DESCRIPTION

1. Water demands
2. Water exploitations
3. Water supply networks
4. Sizing water supply networks
5. Reservoirs
6. Sewer and drainage systems
7. Wastewater flow and characteristics
8. Sizing of Wastewater networks
9. Drainage systems
10. Sizing of drainage systems
11. Operation of waterworks
12. Construction
13. Maintenance

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

final exam

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Compulsory reading

Hammer, M. J. Water and wastewater technology

Recommended reading

Chin, David A. Water-Resource Engineering (3rd edition)