

Course: River Engineering

credits: 3

Course code BVVH19DERIV
Name River Engineering
Study year 2019-2020
ECTS credits 3
Language English
Coordinator O.M. Akkerman

Modes of delivery Guest lecture
Lecture

Assessments River Engineering - Written, organised by
STAD examinations

Learning outcomes

1. The student is able to make applied calculations of river works
2. The student is able to predesign dykes and coastal protection
3. The student is able to explain and apply the principles of water safety in a given situation

Content

The focus within river engineering will be on river control and water safety. River control is about level control, bed control and protection, sediment transport. Water safety is a key element in the water management of delta area's. It is about assessing risks of sea or river dike break through.

Lectures on water safety will be combined with current technical issues regarding river regulation, flow and sediment transport, bottom and shore protection measures and dike design.

Included in programme(s)

Minor Delta Engineering
Built Environment Exchange Delta Engineering (spring)

School(s)

School of Architecture & Built Environment

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