

Course Title: CE for Water - Risk Assessment

Target Group / Level of Course Unit: 1 year studies

Recommended Year of Study and Semester: 1 st year

Number of ECTS Credits: 1 ECTS- Nugget

Learning Outcomes: After teaching nugget the student will be able to identify and recognize the different types of risks involved in water management as well as the features of mitigate in real life. The student will also be familiar with how the risk will be quantified and how this will be possible to measure in different levels(community ,area or country level)

Pre-requisites: Non

Course Contents: The student will be using different simple methods and tools to measure and observe the world around them self. They will be following up what is happening with flood endangered areas and how this might be possible to avoid or mitigate. Also the various methods for enabling the circular economy in practice will be implemented and reviewed

Course Material: Study materials are compiled mainly from online material on the basis of supervisors' instructions.

Additional Material / Recommended Reading Material:

<https://planning.erdc.dren.mil/.../Module%20G%20-%20Avg%20An...>

<https://www.floodmodeller.com/.../how-to-calculate-annual-average-...>

Student Workload in Hours: 27 h.

Mode of delivery: Face-2-face, tutoring and distance learning

Learning activities and Teaching Methods: The courses will be started with intensive focus on contact time with the student and the teacher. Continuous assessment applied throughout the course.

Assessment Methods and Criteria: Assessment methods are based on learning objectives. Assessment is qualitative, based on a criteria and the student's self-assessment plays an important role in it. The learning outcomes of individual are assessed in relation to the objectives.

Grading Scale: 1-5

Lecturer in Charge: Kaj Lindedahl (kaj.lindedahl@metropolia.fi)

Further Information: Kaj Lindedahl (kaj.lindedahl@metropolia.fi)

