

# Virtual Exchange Global Alliance



TU Delft		Building with Nature (UD9005)	
Course description	This course explores the use of natural materials and ecological processes in achieving effective and sustainable hydraulic infrastructural designs.		
Domain	Civil Engineering		
Prerequisites	Analytical ability and basic physics, an affinity for coastal and water systems and an interest in ecosystem-based engineering. This course targets students who are in the last phase of or have completed a bachelor in Civil Engineering, Architecture, Ecology, Geosciences or related subjects.		
Level	Last year bachelor/ start master		
Language	English		
Number of credits and workload	1 credits	3-5 hrs per week	15-25 hrs in total
Semester period and Start date course	Semester 1	start date: Academic year 2018-2019	
Application deadline	Application date as expired		
Full course description	<p>If you're interested in the concept of building with nature, then this is the engineering course for you. This course explores the use of natural materials and ecological processes in achieving effective and sustainable hydraulic infrastructural designs. You will learn the Building with Nature ecosystem-based design concept and its applications in water and coastal systems. During the course, you will be presented with a range of case studies to deepen your knowledge of ecological and engineering principles.</p> <p>You'll learn from leading Dutch engineers and environmental scientists who see the Building with Nature integrated design approach as fundamental to a new generation of engineers and ecologists.</p> <p>Join us in exploring the interface between hydraulic engineering, nature and society.</p>		

Platform and link to course description	EdX	<a href="https://www.edx.org/course/engineering-building-with-nature">https://www.edx.org/course/engineering-building-with-nature</a>
Course description in study guide	<a href="https://online-learning.tudelft.nl/courses/engineering-building-with-nature/">https://online-learning.tudelft.nl/courses/engineering-building-with-nature/</a>	
Lecturer(s)	Marcel Stive, Jill Slinger	
Picture of course		
Final examination date and time /period	TBA	
Examination registration deadline or drop-out deadline	<p>Examination registration before examination registration date expired</p> <p>Drop- out deadline; TBA</p>	
Type of examination	MOOC assignments+ final design report + final presentation (via Skype)	
Midterm examination?	<input type="checkbox"/> yes <input type="checkbox"/> no	
Previous exam papers available	<input type="checkbox"/> yes <input type="checkbox"/> no	
Resit? and date	<input type="checkbox"/> yes <input type="checkbox"/> no	TBA
Grade release and transcript release	TBA	