

# Architectural Engineering

## MSc1 EXTREME Architecture: Sint Maarten



Autumn semester 2022

### Tutors

Job Schroën  
Gilbert Koskamp (BES)

Code	AR1AE011
Credits	10 ECTS
Location	Caribbean
Excursion	Optional*
Costs	TBD

\*To be defined according to applicable Covid-19 measures

### Website:

<https://extremearchitecture.nl>

### Related courses:

AR1A080 Building Engineering Studios

AR0142 EXTREME Technology

EXTREME Architecture is a course about building for an extreme environment. Key is understanding the environment and the performance which is needed.

This semester we will be working on the island of Sint Maarten. Sint Maarten is an independent country within the Kingdom of the Netherlands, situated in the northeast Caribbean Sea. The island was struck by the hurricane Irma in 2017.

The assignment will be a housing on a 30.000 sq meter plot of land. The assignment is developed with the developer of the land. We will be dealing with relevant issues for the island:

- Providing opportunities to the community
- Providing a comfortable climate
- Minimal use of energy
- Aproppiate building method
- Aproppiate use of materials
- Safety during hurricanes and earthquakes

An excursion to Sint Maarten is being investigated, with possibly students from USM and UVI joining. An excursion will be optional and might be cancelled if it proves too difficult because of pandemics, hurricanes or finances.