

Architectural Engineering

MSc1 EXTREME Architecture: Sint Maarten



Autumn semester 2021

Tutors

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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

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 community centre combined with horticulture. Your design will be addressing some relevant issues for the island:

- Providing opportunities to the community
- Production of food
- Reduction of (food related) waste
- Providing a comfortable climate
- Minimal use of energy
- Appropriate building method
- Appropriate use of materials
- Safety during hurricanes and surges

This project is part of collaboration between different universities in the Netherlands and in the Caribbean, including the University of Sint Maarten and the University of the Virgin Islands.

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.