



# Floating Offshore Structures

## Hydrodynamic and operational aspects - Course 2025

We at MARIN are more than happy to share our knowledge and expertise. Being a maritime research institute we do this every day, by working together with the industry through our commercial work and within Joint Industry Projects and Cooperative networks. Another way of sharing know-how is through the specialist courses we organise.

### When

March 17 - 21 (5 days) 2025

### Where

MARIN Wageningen,  
The Netherlands

### Costs

€4.000,00 (including lunches and course dinner on Thursday)

### Registration

[www.marin.nl/events/Floating-offshore-structures](http://www.marin.nl/events/Floating-offshore-structures)

We are not a training institute. We organise tailor made courses, always focusing on specific research subjects, because technological developments change rapidly. Our 'trainers' are the project managers that work together with the industry each day. The course focuses on hydrodynamic and operational aspects of Floating Offshore Structures, giving an overview of the latest developments, including extreme metocean conditions, wave impact, motion and mooring analysis (see course programme on the next page).

This course is intended for both existing professional staff and for newcomers in the maritime industry. Participants should have a university degree in naval architecture, ocean engineering, equivalent education or experience.



## Contact

### Application

To ensure your participation (number of participants is limited), please fill in the registration form at [www.marin.nl/events/Floating-offshore-structures](http://www.marin.nl/events/Floating-offshore-structures). Questions? Send an e-mail to [offshore@marin.nl](mailto:offshore@marin.nl).

### Payment

Fee is to be paid upon receipt of invoice with a deadline of at least 14 days prior to the first day of the course.

Payment made payable to:  
MARIN, The Netherlands;  
Account number 53 93 39 156,  
IBAN number  
NL77ABNA0539339156

## Hotel

### Hotel De Wageningsche Berg

[www.hoteldewageningscheberg.nl](http://www.hoteldewageningscheberg.nl)

### Hotel WICC

[www.wicc.nl](http://www.wicc.nl)

## Conditions

### Venue

The course will be held at MARIN, Haagsteeg 2, Wageningen, The Netherlands or nearby MARIN (5 minutes' walk from MARIN).

### Accommodation

Hotel accommodation is not included in the course fee. Hotel WICC is 10 minutes' walk from MARIN. Fletcher Hotel De Wageningsche Berg is 20 minutes by bike or 10 minutes by taxi or car (transfers are not included in the course fee).

### Documentation

The course notes contain the full set of information as presented during the course. The course notes will be available digitally. Strict copyrights apply to the course notes and they shall not be made available or sold to other parties.

### Number of participants

The course is subject to a minimum number of participants (8). Admittance to the course will be on first come first served basis. The following group reduction is valid:

No. Participants	Reduction	Price	Reduced price
1	0%	€ 4,000.00	€ 4,000.00
2	0%	€ 8,000.00	€ 8,000.00
3	0%	€ 12,000.00	€ 12,000.00
4	10%	€ 16,000.00	€ 14,400.00
5	10%	€ 20,000.00	€ 18,000.00
6	10%	€ 24,000.00	€ 19,200.00
7	20%	€ 28,000.00	€ 22,400.00

### Cancellations

In case of a cancellation by the participant, the following rules apply:  
Cancellation within 2 weeks of the start of the course: 100% of the course fee.  
Cancellation within 1 month of the start of the course: 30% of the course fee.  
In other cases the cancellation is free of charge.

In case MARIN has to cancel the course in view of insufficient participation, the entire fee will be refunded.

### Conditions of sales

The normal MARIN Conditions of Sales do apply. Please download your version here: [Terms and Conditions](#) or go to [www.marin.nl/en/terms-and-conditions](http://www.marin.nl/en/terms-and-conditions).

### Application

To ensure your participation (number of participants is limited), please fill in the registration form on [www.marin.nl/courses](http://www.marin.nl/courses).

## Concept Course programme “Floating Offshore Structures” 2025

Time	Monday March 17 2025	Tuesday March 18 2025	Wednesday March 19 2025	Thursday March 20 2025	Friday March 21 2025
8:45 - 9:00	Coffee				
9:00 - 10:15	Introduction	Blue Growth	Non-linear wave theory and statistics	Data science and AI for maritime applications	Extreme Wave Loads (load mechanisms and statistics)
10:15 - 10:30	Coffee break				
10:30 - 12:00	Linear wave theory and hydrostatics	Analysis of mooring system	Shallow water hydrodynamics	Control & Dynamic Positioning	Extreme Wave loads (sloshing and scaling)
12:00 - 12:05	Short break				
12:05 - 13:00	Wave frequency motions	Analysis of mooring system	Presentation SOSC	Lunch & Course contest (Model tests)	Extreme Wave Loads (green water loading)
13:00 - 14:00	Lunch		Lunch & Excursion simulator		Lunch & Closing session
14:00 - 15:15	Excursion Facilities	Design Aspects of Floating Offshore Wind	Design and Training of offloading operations	Autonomy and Decision Support	
15:15 - 15:30	Coffee break				
15:30 - 16:30	Introduction to model tests & Course Contest	Case study	Offshore lift operations	CFD for offshore applications	
16:30 - 18:30	Course contest (Design)	Course contest (Model production)			
19:00 - 23:00				Course Dinner	