

Block view of the study programme

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Block 1

Programme integrated into the Masters in Civil Engineering Mechanic, specialised focus on *Advanced Ship Design* (EMSHIP - joint master with ECN, URO and ZUT).

Further Informations - EMSHIP ERASMUS MUNDUS PROGRAM

All the lectures are given in English

Compulsory Courses

University of Liège - ANAST

Ship and Offshore Design, Structure and Production

CNAV0013-2	<i>Ship theory and offshore (static, dynamic and propulsion)</i> (english language)	Q1	50	30	-	6
CNAV0014-2	<i>Ship and offshore structures and production (including 7 days technical visit)</i> (including 7 days technical visit) (english language) - [7d FW]	Q1	40	60	[+]	8
CNAV0012-2	<i>Ship Project and Ship Design (including 2 days technical visit)</i> (english language) - [2d FW]	Q1	30	40	[+]	6
CNAV0016-2	<i>Electricity, Ship Equipments & Diesel Motors</i> (english language) - Philippe NGENDAKUMANA - [1d FW]	Q1	20	20	[+]	2
CNAV0015-2	<i>Design of small crafts and high speed vessels</i> (english language)	Q1	40	-	-	3

Ecole centrale de Nantes ECN

Marine Hydrodynamics

HULG0337-1	<i>Water waves and sea state models</i> (english language) - G. DUCROZET	Q2	20	10	-	5
HULG0338-1	<i>Seakeeping : Theory and numerical modelling</i> (english language) - P. FERRANT, L. GENTAZ	Q2	20	15	-	5
HULG0339-1	<i>CFD for marine structures</i> (english language) - L. GENTAZ, D. LE TOUZE	Q2	30	35	-	6
HULG0340-1	<i>Multi-objective optimisation for ship design</i> (english language) - P.E. GUILLERM, D. LE TOUZE	Q2	10	30	-	4
HULG0341-1	<i>Experimental marine structures hydrodynamics</i> (english language) - F. BONNEFOY, P. FERRANT	Q2	20	20	-	5

Nantes ; by ECN and ULiège

HULG0342-1	<i>Initiation to research and development, and Advanced Seminars(including ship vibrations and FSI by H. Le Sourne, ICAM Nantes)</i> (english language) - P. FERRANT, L. GENTAZ	Q2	60	114	-	10
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Block 2

Programme integrated into the Masters in Civil Engineering Mechanic, specialised focus on *Advanced Ship Design* (EMSHIP - joint master with ECN, URO and ZUT).

Optional courses

Select one of the following modules in UGAL, UNIGE, URO, ZUT or ICAM)

University of Galati - UGAL (Romania)

Manoeuvring and Propulsion

HULG0370-1	<i>Ship manoeuvrability</i> (english language) - N...	Q1	-	-	-	5
HULG0371-1	<i>Ship propulsion</i> (english language) - N...	Q1	-	-	-	5
ATFE2007-1	<i>Internship and master thesis</i> - COLLÉGIALITÉ	Q1	-	-	-	20

University of Genoa (Italy) - UNIGE

Sailing Yacht and Pleasure Motor Yacht

HULG0372-1	<i>Motor yacht design</i> (english language) - N...	Q1	-	-	-	5
HULG0373-1	<i>Sailing yacht design</i> (english language) - N...	Q1	-	-	-	5
ATFE2007-1	<i>Internship and master thesis</i> - COLLÉGIALITÉ	Q1	-	-	-	20

University of Rostock (Germany) - URO

Information Technology and Marine Structures

ATFE2007-1	<i>Internship and master thesis</i> - COLLÉGIALITÉ	Q1	-	-	-	20
HULG0376-1	<i>Information technology in ship design and production</i> (english language) - N...	Q1	-	-	-	4
HULG0377-1	<i>Sea loads on offshore structures</i> (english language) - N...	Q1	-	-	-	3
HULG9068-1	<i>Advanced analysis of marine structures</i> (english language) - N...	Q1	-	-	-	3

University of West Pomeranian University of Technology (Poland) - ZUT

Advanced Ship and Offshore Structures and Production Technology

HULG0374-1	<i>Advanced mechanics of ship and offshore structures</i> (english language) - N...	Q1	-	-	-	4
HULG9069-1	<i>Advanced design of ship and offshore structures</i> (english language) - N...	Q1	-	-	-	3
ATFE2007-1	<i>Internship and master thesis</i> - COLLÉGIALITÉ	Q1	-	-	-	20
HULG0375-1	<i>Advanced production technology of ship and offshore structures</i> (english language) - N...	Q1	-	-	-	3

School of Mechanical and Manufacturing Engineering (France) - ICAM

Advanced Marine Structures Design nad Production Technology

HULG0432-1	<i>Marine composite structure analysis</i> (english language) - N...	Q1	-	-	-	4
HULG0433-1	<i>Manufacturing and recycling of marine composite structures</i> (english language) - N...	Q1	-	-	-	6
ATFE2007-1	<i>Internship and master thesis</i> - COLLÉGIALITÉ	Q1	-	-	-	20