Vue cycle du programme des cours

		Bl	Or	Th	Pr	Au	Cr
Compulsory courses from the core curriculum (Uliege) (B1 : 20Cr, B2 : 30Cr)							
Lectures in Mechanical Engineering							
MECA0018-2	*Manufacturing processes* (anglais) - Yves MARCHAL - [15h Labo., 11h Proj., 0,5j T. t.]	B1	Q2	30	-	[+]	**5**
MECA0029-1	*Theory of vibration* (anglais) - Loïc SALLES - [30h Proj.]	B1	Q1	26	26	[+]	**5**
MECA0462-2	*Materials selection* (anglais) - Anne MERTENS, Davide RUFFONI - [30h Proj., 1j T. t.]	B1	Q1	26	26	[+]	**5**
GEST3162-1	*Principles of management* (anglais) - Michaël PARMENTIER, Willem STANDAERT - [25h Proj.]	B1	Q1	30	-	[+]	**5**
Master Thesis and Internship							
HULG9455-1	*Master Thesis* (anglais)	B2		-	-	-	**25**
HULG9456-1	*Internship in Companies or Laboratories* (anglais)	B2		-	-	-	**5**
Optional courses from the core curriculum (B1 : 10Cr, B2 : 30Cr)							
Courses to be chosen among the following list : (B1 : 10Cr)							
Lectures in Mechanical engineering							
	Remarque : Preferential choices for students of the "Advanced Ship Design" are MECA0036-2 and MECA0027-1						
MECA0036-2	*Finite Element Method* (anglais) - JeanPhilippe PONTHOT - [40h Proj.]	B1	Q2	26	26	[+]	**5**
MECA0027-1	*Structural and multidisciplinary optimization* (anglais) - Pierre DUYSINX, Patricia TOSSINGS - Suppl : Michaël BRUYNEEL - [18h Proj.]	B1	Q1	30	12	[+]	**5**
MECA0031-2	*Kinematics and dynamics of mechanisms* (anglais) - Olivier BRULS - [40h Proj.]	B1	Q2	30	20	[+]	**5**
MECA0023-1	*Advanced solid mechanics* (anglais) - JeanPhilippe PONTHOT - [30h Proj.]	B1	Q1	26	26	[+]	**5**
MECA0010-1	*Uncertainty quantification and stochastic modeling* (anglais) - Maarten ARNST - [28h Proj.]	B1	Q1	16	16	[+]	**5**
Choose a program at UPM, URO or ECN : (B2 : 30Cr)							
Polytechnic University of Madrid (B2 : 30Cr)							
Lectures in Offshore Renewable Energy							
HULG9449-1	*Oceanology* (anglais)	B2		-	-	-	**1,5**
HULG9450-1	*Structural Design of OWT* (anglais)	B2		-	-	-	**8**
HULG9451-1	*Electric Generation and Export Technologies* (anglais)	B2		-	-	-	**5,5**
HULG9452-1	*Manufacturing and Maritime Operations* (anglais)	B2		-	-	-	**7**
HULG9453-1	*Project Operation and Management* (anglais)	B2		-	-	-	**4**
HULG9454-1	*Structural Analysis of Offshore Platforms* (anglais)	B2		-	-	-	**4**
Ecole Centrale de Nantes (ECN) - France (B2 : 30Cr)							
Marine Hydrodynamics							
HULG9411-1	*General concepts of hydrodynamics* (anglais)	B2		-	-	-	**4**
HULG9412-1	*Water Waves and Sea States Modeling* (anglais)	B2		-	-	-	**4**
HULG9413-1	*Wave-structure Interactions and Moorings* (anglais)	B2		-	-	-	**5**

HULG9414-1	*Numerical Hydrodynamics* (anglais)	B2		-	-	-	**5**
HULG9415-1	*Experimental hydrodynamics* (anglais)	B2		-	-	-	**5**
HULG9416-1	*Naval engineering* (anglais)	B2		-	-	-	**5**
HULG9417-1	*Foreign language* (anglais)	B2		-	-	-	**2**

University of Rostock (URO) - Allemagne (B2 : 30Cr)

Ship Technology - Ocean Engineering

Choose 30 credits : (B2 : 30Cr)

HULG9418-1	*Theory and design of floating and founded offshore systems* (anglais)	B2		-	-	-	**6**
HULG9419-1	*Selected topics of the analysis of marine structures* (anglais)	B2		-	-	-	**6**
HULG9420-1	*Mathematical Models in ship theory* (anglais)	B2		-	-	-	**6**
HULG9421-1	*IT in ship design and production* (anglais)	B2		-	-	-	**6**
HULG9422-1	*Safety of ships under damaged conditions, in waves* (anglais)	B2		-	-	-	**6**
HULG9423-1	*Ocean Research technology* (anglais)	B2		-	-	-	**6**
HULG9424-1	*Team project* (anglais)	B2		-	-	-	**6**

Focus courses (B1 : 30Cr)

APRI0009-1	*Integrated Design Project of Ships, Small Crafts & High Speed vessels* (anglais) - [150h Proj., 5j T. t.]	B1	TA	80	-	[+]	**15**
CNAV0021-1	*Ship Theory : Statics and Dynamics* (anglais)	B1	Q2	32	20	-	**5**
CNAV0014-3	*Ship and offshore structures and production (including 7 days technical visit)* (anglais) - [7j T. t.]	B1	Q2	40	60	[+]	**7**
CNAV0022-1	*Ship Equipment and Propulsion Systems* (anglais) - [1j T. t.]	B1	Q2	20	20	[+]	**3**