

Nr.	Pflichtmodule/Compulsory modules	1. Semester (La Coruna)				
		A	SWS	PVL	PL	C
1.	Hydrological Plannings and Projects I		6		H/E	6
1.1	Analysis of water resource systems	V,Pr	1			1
1.2	Design of water resources systems	V,Pr	2			2
1.3	Water management plans	V,Pr	2			2
1.4	Water economy and legislation	V,Pr	1			1
2.	Water supply and drainage systems		6		K180	6
2.1	Supply systems design	V	4			4
2.2	Urban drainage	V	2			2
3.	Physico-Chemistry and quality of water		6		EA, H*	6
3.1	Principles of water chemistry	V,LP	2			2
3.2	Water quality	V,LP	3			3
3.3	Analytical technics	LP	1			1
	Wahlpflichtmodule (2 von 4)/ Optional Courses (2/4)		12			12
4.	Experimental Hydraulics I		6		EA	6
4.1	Scale models I	V,LP	2			2
4.2	Experimental field techniques	V,LP	4			4
5.	Computational Fluid Dynamics I		6		H/K180	6
5.1	Mathematics I	V,Ü	4			4
5.2	Finite element programming	V,Ü	1			1
5.3	Porous media and geochemical models	V,Ü	1			1
6.	Water Treatment and Energy Efficiency		6		H	6
6.1	Water treatment processes	V,Pr	2			2
6.2	Power consumption	V,Pr	2			2
6.3	Environmental implications	V	2			2
7.	Groundwater Engineering I		6		K180	6
7.1	Physical Hydrogeology	V,Ü	3			3
7.2	Hydrogeochemical principles	V	2			2
7.3	Hydrodynamic in aquifers	V,Ü	1			1
	Σ Pflicht- und Wahlpflichtmodule 1.Semester		30			30

Nr.	Pflichtmodule/Compulsory modules	2. Semester (Magdeburg)				
		A	SWS	PVL	PL	C
8.	Hydraulic Plannings and Projects II		6		E/K180	6
8.1	Design of Dams	V	2	Exk		2
8.2	Water Treatment	V	1	Exk		1
8.3	Wastewater Plants	V	2	Exk		2
8.4	Global Water resource management and strategies	V	1			1
9.	GIS and Hydrology		6		H	6
9.1	GIS and Hydrology	2V, 1Ü	3			3
9.2	Applied Hydrology	V	1			1
9.3	Realisation of European Flood Directive	V, Ü	2			2
10.	Restoration Ecology		6		H	6
10.1	Ecology and restoration of rivers	V,S,Pr	2			2
10.2	Ecology and restoration of lakes	V,S,Pr	2			2
10.3	Project in river restoration	Pr	2			2
	Wahlpflichtmodule (2 von 4)/ Optional Courses (2/4)		12			12
11.	Experimental Hydraulics II		6		H	6
11.1	Scale models II	V, LP	2	Exk.		2
11.2	Morphological flume experiments	V, LP	2			2
11.3	Scouring at hydraulic structures	V, LP	2			2
12.	Computational Fluid Dynamics II		6		H/K180	6
12.1	Mathematics II	V, Ü	2			2
12.2	1D/ 2D-Models	V, Ü	2			2
12.3	Modeling of dike stability	V, Ü	2			2
13.	River Morphology		6		E/K180	6
13.1	River Morphology	V	2			2
13.2	Sediment transport	V	2			2
13.3	Sedimentation and Erosion	V	2			2
14.	Water & Waste		6		H	6
14.1	Waste Treatment	V	1			1
14.2	Waste and Ocean	V, Ü	2			2
14.3	Anaerobic technologies	V, Ü	2			2
14.4	Water Chemistry	V	1			1
	Σ Pflicht- und Wahlpflichtmodule		30			30

Nr.	3. Semester (La Coruna, Magdeburg, Projektpartner, Unternehmen/Institutionen)	
		C
15.	Practicum as Enterprise training or University Practicum	15
16.	Master Thesis	15
	Σ Practicum and Master Thesis	30

Legende zum Regelstudien- und Prüfungsplan

A = Art der Lehrveranstaltung
SWS = Semesterwochenstunden
V = Vorlesung
S = Seminar
Ü = Übung
Ko = Kolloquium
LP = Laborpraktika
Pr = Praktikum
Exk = Exkursionen

PVL = Prüfungsvorleistung
PL = Prüfungsleistung
C = Credits
K = Klausur
K90 = Klausur 90 Minuten
K120 = Klausur 120 Minuten
K180 = Klausur 180 Minuten
M = Mündliche Prüfung
H = Hausarbeit
E = Entwurf

EA = Experimentelle Arbeit
WP = Wissenschaftliches Projekt
R = Referat
MA = Masterarbeit

/ = oder (z.B. V/Ü = Vorlesung oder Übung)

, = oder (z.B. V,Ü = Vorlesung und Übung)

* = die Modulnote wird am Fachbereich gebildet und von dem Studiengangleiter oder der Studiengangleiterin an das Prüfungsamt übermittelt