Study programme Renewable Energy and E-Mobility - 4-semester variant without internship semester

Modul-Nr.	Mandatory Module	Regular semester	Exam	1. Alternative	2. Alternative	Shares in % to MN	GN	ECTS-Points
REEMM1300	System Theory	2	K 2	M 30	EA 75	100	6	6
REEMM1400	Renewable Energy Systems	2	K 2 + ÜS	M 30 + ÜS	EA 75	100	6	6
REEMM2130	Power Electronics [A]	2	K 2 + ÜS	M 30 + ÜS	EA 75	100	6	6
REEMM2140	Modelling of Physical Systems	2	K 2 + ÜS	M 30	EA 75	100	6	6
REEMM2200	Methods of Power Engineering	2	K 2 + ÜS	M 30 + ÜS	EA 75	100	6	6
REEMM3600	Quality in Automotive Industry *)	2	K 2	M 20	EA 75	100	5	6
REEMM3800	Energy and Environmental Management *)	2	M 30	K 2	EA 75	100	5	6
REEMM2010	Elective Module (AO) I**)	3	According to selected module			100	5	6
REEMM2020	Elective Module (AO)II**)	3	According to selected module			100	5	6
REEMM2030	Elective Module (AO) III**)	3	According to selected module			100	5	6
REEMM2040	Elective Module (AO) IV**) [B]	3	According to selected module			100	5	6
REEMM2060	Elective Module (F) I***)	3	According to selected module			100	5	6
REEMM2070	Elective Module (F) II***)	3	According to selected module			100	5	6
REEMM2080	Elective Module (F) III***)	3	According to selected module			100	5	6
REEMM4100	Project Work	3	LN				0	12
REEMM3900	Master Thesis with Colloquium Master Thesis Colloquium	4	 see § 5 see § 6				30 80 20	 27 3

Open list elective offer (Application oriented - AO)					Open list elective offer (Application oriented - AO)				
Nr.:	Elective Module	Exam	1. Alternative	2. Alternative	Nr.:	Elective Modules	Exam	1. Alternative	2. Alternative
REEMM3410	Current subjects of renewable energy use I	M 30	K 2	EA 75	REEMM5400	Vehicle Management Systems	K 2 + ÜS	M 30 + ÜS	EA 75
REEMM3420	Current subjects of renewable energy use II	M 30	K 2	EA 75	REEMM3300	Sustainable non-fossil mobility	K 2 + ÜS	M 30 + ÜS	EA 75
REEMM1700	Solar Systems	M 30 + ÜS	K 2 + ÜS	EA 75	REEMM3500	Advanced Power Electronics	K 2 + ÜS	M 30 + ÜS	EA 75
REEMM3000	Wind Power Plants	K 2 + ÜS	M 30 + ÜS	EA 75	REEMM3100	Hydrogen Technology	M 30 + ÜS	K 2 + ÜS	EA 75
REEMM3200	Fuel Cell Systems	M 30 + ÜS	K 2 + ÜS	EA 75	REEMM3400	Project Seminar E-Mobility	EA 90		
REEMM3610	Project RE	EA 90			REEMM3700	Control of Electrical Drives	K 2 + ÜS	M 30 + ÜS	EA 75
REEMM5500	Vehicle Simulation and Test Drive	EA 30	M 20	K 1					

Open list elective offer (Free - F)					Open list elective offer (Free - F)				
Nr.:	**Elective Module**	**Exam**	**1. Alternative**	**2. Alternative**	**Nr.:**	**Elective Module**	**Exam**	**1. Alternative**	**2. Alternative**
REEMM2110	Selected Topics of Control Engineering	K2 + ÜS	M30	EA 75	REEMM2120	Electrical Energy Conversion and Transmission	K2 + ÜS	M30	EA 75
SSDM3500	International Accounting	Siehe FPO SSD			WMSSDM3000	Human Resources Management	Siehe FPO SSD	Siehe FPO SSD	
REEMM2500	German as a foreign Language I	K2 + ÜS			REEMM2510	German as a foreign Language II	K2 + ÜS		

Explanations:

K = Written exam with indication of the duration in hours (hour = 60 minutes), cf. § 11 RPO
K + ÜS = Written exam and exercise certificate as admission requirement, cf. §§ 8, 7 and § 11 RPO
M = Oral examination with indication of duration in minutes, cf. § 10 RPO
M + ÜS = Oral examination and exercise certificate as admission requirement, cf. § 7, 8 and § 10 RPO
EA = Experimental work with indication of the workload in hours, cf. § 9

LN = LN = Performance record, cf. § 7
MN = Module grade
GN = Total grade of the module examinations including master thesis with colloquium
*) = One of these two modules must be chosen.

A) If the students have already taken the subject Power Electronics according to §3 in their bachelor studies, they must choose a module from the list of compulsory elective modules (F) instead. For its examination and alternatives, the specifications for the selected compulsory elective module (F) apply, as well as the specifications for the Power Electronics module with regard to the regular semester and the weighting.

B) If the students according to §3 do not have a Bachelor's degree in Electrical Engineering or a related degree program, they must take the module REMMM 2120 "Electrical Energy Conversion and Transmission" instead of this elective module. In this case, the module may not be chosen again as an elective.

**) Students can choose from the open list of elective modules (AO) of the chosen degree program or, upon application to the examination board, from the pool of subjects of other Master's programs of the faculty or the range of courses offered by the university. The list can be updated annually. (§ 6 Study Regulations of the Master's Program Renewable Energy and E-Mobility at Stralsund University of Applied Sciences).

***) Students can choose from the open list of elective modules (F) and (AO) of the chosen study program or on application to the examination board from the pool of subjects of other Master's degree programs of the faculty or from the course offerings of the university. One of the modules REEMM3600 or REEMM3800 can also be chosen provided that it is not included in the rubric Interdisciplinary qualifications (1 from 2) has been chosen. The list may be updated annually. (§ 6 Study Regulations of the Master's Program Renewable Energy and E-Mobility at Stralsund University of Applied Sciences)