

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links			
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
MVKN70	7.5	A	M , Pi	X	E	Advanced Methods within Numerical Fluid Mechanics and Heat Transfer	KS KE U W T	1			
MVKN70			E					1			
MVKP01	7.5	A	E , I , M , W	-	S	District Heating and Cooling	KS KE U W T	1			
MVKN95	7.5	A	E , M	X	E	Environmentally Friendly Power Generation	KS KE U W T	1			
MVKN50	7.5	A	M , W	X	E1	Introduction to Combustion Engines	KS KE U W T	1			
MVKE15	7.5	G2	M	X	E1	Introduction to Vehicle Systems	KS KE U W T	1			
MMVA01	5	G1	BI , I	-	S	Thermodynamics and Fluid Mechanics, Basic Course	KS KE U W T	1			

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				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
MVKN30	7.5	A	E	-	S	Advanced Efficient Energy Systems	KS KE U W T	1	2		
MVKN30			E, I, M, W				X	1	2		
MVKF01	6	G2	M, MD	-	S	Energy and the Environment in Sustainable Development	KS KE U W T	1	2		
MVKP05	7.5	A	C, D, E, F, I, M, MD, N, Pi	X	E1	Project - Formula Student	KS KE U W T	1	2		
MVKP05			C, D, E, F, I, M, MD, N, Pi							3	4
MVKN01	7.5	A	M	-	E1	Projecting Thermal Power Plants	KS KE U W T	1	2		
MMVF01	11	G2	M, MD	-	S	Thermodynamics and Fluid Mechanics	KS KE U W T	1	2		

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									sp1	sp2	sp3	sp4
MVKN55	7.5	A	M	X	E1	Advanced Combustion Engine Concepts		KS KE U W T		2		
MVKP10	7.5	A	E , M , MD , W	X	E1	Energy Engineering		KS KE U T		2		
MVKN35	6	A	I , M , W	-	S	Energy Markets	X	KS KE U W T		2		
MMVF15	6	G2	E , Pi	-	S	Fluid Mechanics		KS KE U W T		2		
MVKN90	7.5	A	E , M , Pi	X	E	Turbulence - Theory and Modelling		KS KE U W T		2		
MVKP15	7.5	A	E , E , M , W	X	E	Wind Power Technology		KS KE U T		2		
MMVN01	7.5	A	M	-	S	Aerodynamics and Compressible Flow		KS KE U W T			3	

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								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4			
MVKN20	7.5	A	E, E, I, M, W	-	S	Energy Utilization		KS	KE	U	W	T	3	
MMVF05	7.5	G2	E, M, MLIV	X	E	Heat Transfer		KS	KE	U	W	T	3	
MVKN80	7.5	A	M	X	E1	Project - Energy Technology	X	KS	KE	U	W	T	3	
MVKN60	7.5	A	M, W	X	E1	Theory of Turbo Machinery		KS	KE	U	W	T	3	
MVKN85	7.5	A	E, M	X	E	Turbulent Combustion	X	KS	KE	U	W	T	Course on hold	
MVKN15	7.5	A	E, E, I, M, W	-	S	Energy Supply Systems		KS	KE	U	W	T		4
MVKF25	7.5	G2	E, M, W	X	E1	Hydrogen, Batteries and Fuel Cells		KS	KE	U	W	T		4
MMVN05	7.5	A	E, M, Pi	X	E1	Numerical Fluid Dynamics and Heat Transfer		KS	KE	U	W	T		4

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									20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4		
MVKN75	7.5	A	M		X	E1	Steam and Gas Turbine Engineering		KS	KE	U	W	T	4

[MVKN30](#) (W) Advanced Efficient Energy Systems: *Only one of the following two Project Courses - [FMIN50](#) Environmental Issues, Project Course and [MVKN30](#) Advanced Efficient Energy Systems - may be included in the Energy System Specialisation*

[MVKN35](#) (I) Energy Markets: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2015. The course is also an optional programme course.*

[MVKN80](#) (M) Project - Energy Technology: *The course start is decided by the department.*

[MVKN85](#) (E, M) Turbulent Combustion: *The course is offered every other academic year and will next be offered in 2021/22.*

Bachelor's Projects of the Department

The list contains the bachelor's projects which are given by the department and which programme each bachelor's project is included in.

Links

Course Code	Credits	Programme	Course Name	Links
MVKL01	15	E , M , N	Bachelor Project in Energy Sciences	KS KE U W

Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

Links

Course Code	Credits	Programme	Course Name	Links
MVKM01	30	E, I, M, N, W	Degree Project in Energy Sciences	KS KE U W