

## Machine Elements

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	21/22																			
				S.Ex. stud.	E1				sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">MMEN10</a>	7.5	A	<a href="#">M</a>	-	E1	Project - Machine Elements		<a href="#">KS KE U W T</a>	0	0	0	20	180															
<a href="#">MMEN10</a>			<a href="#">M</a>											0	0	0	20	180										
<a href="#">MMEN10</a>			<a href="#">M</a>																0	0	0	20	180					
<a href="#">MMEN10</a>			<a href="#">M</a>																					0	0	0	20	180
<a href="#">MMEF05</a>	7.5	G2	<a href="#">MD</a>	-	S	Transmissions		<a href="#">KS KE U W T</a>	42	28	0	0	130															
<a href="#">MMEF05</a>			<a href="#">M</a>						42	28	0	0	130															
<a href="#">MMEN01</a>	7.5	A	<a href="#">M</a>	-	S	Transmissions, Dimensioning	X	<a href="#">KS KE U W T</a>						42	14	0	0	140										
<a href="#">MMEF01</a>	5	G2	<a href="#">MD</a>	-	S	Tribology		<a href="#">KS KE U W T</a>											28	14	0	0	90					
<a href="#">MMEF01</a>			<a href="#">M</a>																28	14	0	0	90					
<a href="#">MMEN05</a>	7.5	A	<a href="#">M</a>	-	S	Transmissions, Dynamics	X	<a href="#">KS KE U W T</a>																42	14	0	0	140

[MMEN01](#) (M) Transmissions, Dimensioning: *With less than 12 participants, the course may be more project based, i.e. given with reduced teaching and more self studies.*

[MMEN05](#) (M) Transmissions, Dynamics: *With less than 12 participants, the course may be more project based, i.e. given with reduced teaching and more self studies.*

## Materials Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	21/22																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">FKMN30</a>	7.5	A	<a href="#">MPRR</a>	X	E	Analytical Microscopy and Sample Preparation		<a href="#">KS KE U W T</a>	20	10	28	20	72															
<a href="#">FKMN30</a>			<a href="#">M</a>																									
<a href="#">FKMN15</a>	7.5	A	<a href="#">MD, MPRR</a>	X	E	Light Materials	X	<a href="#">KS KE U W T</a>	42	28	12	0	70															
<a href="#">FKMN15</a>			<a href="#">M</a>				X		42	28	12	0	70															
<a href="#">FKMN25</a>	7.5	A	<a href="#">M</a>	X	E	Project - Materials Engineering		<a href="#">KS KE U W T</a>	0	0	0	50	150															
<a href="#">FKMN25</a>			<a href="#">M</a>											0	0	0	50	150										
<a href="#">FKMN25</a>			<a href="#">M</a>																0	0	0	50	150					
<a href="#">FKMN25</a>			<a href="#">M</a>																					0	0	0	50	150
<a href="#">FKMN20</a>	7.5	A	<a href="#">K, M, N</a>	X	E	Advanced Materials Technology		<a href="#">KS KE U W T</a>						42	14	8	10	70										
<a href="#">FKMN20</a>			<a href="#">E, MD, MPRR</a>											42	14	8	10	70										
<a href="#">FKMN10</a>	7.5	A	<a href="#">N, MPRR</a>	X	E	High Temperature Materials	X	<a href="#">KS KE U W T</a>											42	14	20	10	70					
<a href="#">FKMN10</a>			<a href="#">M</a>				X												42	14	20	10	70					
<a href="#">FKMA01</a>	7.5	G1	<a href="#">I, M</a>	X	E	Materials Engineering, Basic Course	X	<a href="#">KS KE U W T</a>											56	14	12	0	120					
<a href="#">FKMA01</a>			<a href="#">E, MD</a>																56	14	12	0	120					
<a href="#">FKMA05</a>	6	G1	<a href="#">KID</a>	X	E	Materials		<a href="#">KS KE U W T</a>																30	10	8	0	70
<a href="#">FKMN05</a>	7.5	A	<a href="#">N, MPRR</a>	X	E	Powder Technology	X	<a href="#">KS KE U W T</a>	Course on hold																			
<a href="#">FKMN05</a>			<a href="#">M</a>				X		Course on hold																			

[FKMN15](#) ([M](#), [MD](#), [MPRR](#)) Light Materials: *The course is offered every other academic year and will be given in 2021/22, 2023/24.*

[FKMN10](#) ([M](#), [N](#), [MPRR](#)) High Temperature Materials: *The course is offered every other academic year and will be given in 2021/22, 2023/24.*

[FKMA01](#) ([I](#)) Materials Engineering, Basic Course: *Compulsory course in the elective block 'Product Innovation' for students admitted from autumn 2015. The course is also an optional programme course.*

[FKMN05](#) ([M](#), [N](#), [MPRR](#)) Powder Technology: *The course is offered every other academic year and will be given in 2022/23.*

## Mechanics

Course Code	Credits	Cycle	Programme	Language		S.Ex. stud.	Course Name	Footnote	Links	21/22				21/22				21/22				21/22									
				sp1	sp2					sp3	sp4	sp1	sp2	sp3	sp4	sp1	sp2	sp3	sp4	sp1	sp2	sp3	sp4								
										F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
<a href="#">FMEN21</a>	7.5	A	<a href="#">I, M</a>	X	E		Continuum Mechanics		<a href="#">KS KE U W T</a>	42	14	0	2	142																	
<a href="#">FMEN21</a>			<a href="#">E, Pi</a>							42	14	0	2	142																	
<a href="#">FMEN30</a>	7.5	A	<a href="#">M</a>	X	E1		Fatigue		<a href="#">KS KE U W T</a>	42	0	0	0	158																	
<a href="#">FMEN30</a>			<a href="#">F</a>							42	0	0	0	158																	
<a href="#">FMEN35</a>	7.5	A	<a href="#">M, Pi, MPRR</a>	X	E1		Project - Engineering Mechanics		<a href="#">KS KE U W T</a>	0	0	0	20	180																	
<a href="#">FMEN35</a>			<a href="#">F</a>							0	0	0	20	180																	
<a href="#">FMEN35</a>			<a href="#">M, Pi, MPRR</a>								0	0	0	20	180																
<a href="#">FMEN35</a>			<a href="#">F</a>								0	0	0	20	180																
<a href="#">FMEN35</a>			<a href="#">F</a>														0	0	0	20	180										
<a href="#">FMEN35</a>			<a href="#">M, Pi, MPRR</a>														0	0	0	20	180										
<a href="#">FMEN35</a>			<a href="#">M, Pi, MPRR</a>																					0	0	0	20	180			
<a href="#">FMEN35</a>			<a href="#">F</a>																					0	0	0	20	180			
<a href="#">FMEA30</a>	15	G1	<a href="#">MD</a>	-	S		Engineering Mechanics		<a href="#">KS KE U W T</a>	54	28	12	0	146	42	24	8	4	82												
<a href="#">FMEA30</a>			<a href="#">M</a>							54	28	12	0	146	42	24	8	4	82												
<a href="#">FMEN15</a>	7.5	A	<a href="#">F</a>	X	E		Analytical Mechanics	X	<a href="#">KS KE U W T</a>						42	14	0	0	144												
<a href="#">FMEN11</a>	7.5	A	<a href="#">F</a>	X	E		Mechanical Vibrations		<a href="#">KS KE U W T</a>						42	14	0	0	144												
<a href="#">FMEN11</a>			<a href="#">BME, I, M, Pi</a>												42	14	0	0	144												
<a href="#">FMEA10</a>	9	G1	<a href="#">I</a>	-	S		Engineering Mechanics, Basic Course	X	<a href="#">KS KE U W T</a>	Course on hold																					
<a href="#">FMEA35</a>	6	G1	<a href="#">E, Pi</a>	-	S		Engineering Mechanics I		<a href="#">KS KE U W T</a>											36	28	0	0	96							
<a href="#">FMEN02</a>	7.5	A	<a href="#">BME, E, M, Pi</a>	X	E		Multibody Dynamics		<a href="#">KS KE U W T</a>											36	14	0	4	146							
<a href="#">FMEA21</a>	6	G1	<a href="#">F</a>	-	S		Mechanics II		<a href="#">KS KE U W T</a>																34	24	2	4	96		
<a href="#">FMEN25</a>	7.5	A	<a href="#">E, M, MNAV, N, Pi</a>	X	E1		Nano Mechanics and Multiscale Modelling	X	<a href="#">KS KE U W T</a>																24	0	0	8	168		

[FMEN15](#) (E) Analytical Mechanics: *The course is offered every other academic year and will be given in 2021/22, 2023/24.*

[FMEA10](#) (I) Engineering Mechanics, Basic Course: *The course is moved from year 1 to year 2 and will next be offered in 2022/23.*

[FMEN25](#) (E, M, MNAV, N, Pi) Nano Mechanics and Multiscale Modelling: *The course is offered every other academic year and will be given in 2021/22, 2023/24.*

## **Productions and Materials Engineering**



[MMTN15](#) (I, M, MD) Project - Production and Materials Engineering: *The course start is decided by the department.*

## 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
FKML01	15	<a href="#">M</a> , <a href="#">N</a>	Bachelor Project in Engineering Materials	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMEL01	15	<a href="#">E</a> , <a href="#">I</a> , <a href="#">M</a> , <a href="#">Pi</a>	Bachelor Project in Mechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
MMTL02	15	<a href="#">M</a>	Bachelor Project in Production and Materials Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

## 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
MMEM01	30	<a href="#">M</a>	Degree Project in Machine Elements	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
FKMM01	30	<a href="#">I</a> , <a href="#">M</a> , <a href="#">N</a>	Degree Project in Engineering Materials	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMEM01	30	<a href="#">E</a> , <a href="#">I</a> , <a href="#">M</a> , <a href="#">Pi</a>	Degree Project in Mechanics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
MMTM01	30	<a href="#">I</a> , <a href="#">M</a>	Degree Project in Production and Materials Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
MMTM05	30	<a href="#">MPRR</a>	Degree Project in Production and Materials Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>