

Machine Elements

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 10/11 | 10/11 | 10/11 | 10/11 |
|------------------------|---------|-------|-----------------------|-------------|----------|-----------------------------|----------|---------------------------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| MMEF05 | 7.5 | G2 | M, MD | - | S | Transmissions | | KS KE U W | 1 | | | |
| MME070 | 7.5 | A | I, M | X | S | Transmissions, Dimensioning | | KS KE U | | 2 | | |
| MMEF01 | 5 | G2 | M, MD | - | S | Tribology | | KS KE U W | | | 3 | |
| MME080 | 7.5 | A | M | X | S | Transmissions, Dynamics | | KS KE U W | | | | 4 |

Materials Engineering

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 10/11 | 10/11 | 10/11 | 10/11 |
|------------------------|---------|-------|--------------------------------|-------------|----------|-------------------------------------|----------|---------------------------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| FKM090 | 7.5 | A | I, M | X | S | Fatigue | | KS KE U W | 1 | | | |
| FKMN01 | 7.5 | A | I, M, MD | X | E1 | Polymer Materials | | KS KE U W | 1 | | | |
| FKM070 | 7.5 | A | E, I, M, MD, N | X | E1 | Advanced Materials Technology | | KS KE U W | | 2 | | |
| FKMN15 | 7.5 | A | I, M, MD | - | S | Light Materials | | KS KE U W | | | 3 | |
| FKM015 | 7.5 | G1 | E, I, M, MD | - | S | Materials Engineering, Basic Course | X | KS KE U W | | | 3 | |
| FKM065 | 7.5 | A | M | X | E1 | Project - Materials Engineering | | KS KE U W | | | 3 | |
| FKM050 | 6 | G1 | KID | - | S | Materials | | KS KE U W | | | | 4 |

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|------------------------|---------|-------|---|-------------|----------|-------------------|----------|---|--------------|--------------|--------------|---|
| | | | | | | | | 10/11 sp1 | 10/11 sp2 | 10/11 sp3 | 10/11 sp4 | |
| FKMN05 | 7.5 | A | I , M , N | X | E1 | Powder Technology | X | KS KE U W | | | | 4 |

[FKM015](#) (I) Materials Engineering, Basic Course: *Kursen är obligatorisk i teknikprofilen Industriell produktframtagning för antagna H08. Kursen är också valfri på programmet.*

[FKMN05](#) (I, M) Powder Technology: *Ges vartannat år.*

[FKMN05](#) (N) Powder Technology: *Kursen ges vartannat år.*

Mechanics

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 10/11 | 10/11 | 10/11 | 10/11 |
|------------------------|---------|-------|--------------------------|-------------|----------|---|----------|---|--------------------------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| EMEN20 | 8 | A | V | X | E2 | Continuum Mechanics | | KS KE U W | Examinations only | | | |
| EMEN20 | | | E, M, Pi | | | | | | 1 | | | |
| FMEA20 | 6 | G1 | F | - | S | Mechanics - Dynamics | | KS KE U W | 1 | | | |
| EMEN10 | 8 | A | E, M, Pi | X | E2 | Mechanical Vibrations | | KS KE U W | | 2 | | |
| FMEA25 | 7 | G1 | M, MD | - | S | Mechanics - Dynamics | | KS KE U W | | 2 | | |
| FMEA10 | 9 | G1 | I | - | S | Engineering Mechanics, Basic Course | | KS KE U W | | | 3 | |
| EMEN01 | 8 | A | E, I, M | X | E2 | Multibody Dynamics | | KS KE U W | | | 3 | |
| FMEA05 | 6 | G1 | F | - | S | Engineering Mechanics - Statics and Particle Dynamics | | KS KE U W | | | 3 | 4 |

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|------------------------|---------|-------|--|-------------|----------|---|---|--------------|--------------|--------------|--------------|
| | | | | | | | | 10/11 sp1 | 10/11 sp2 | 10/11 sp3 | 10/11 sp4 |
| EMEA15 | 7.5 | G1 | Pi | - | S | Mechanics - Statics and Dynamics | KS KE U W | | | 3 | 4 |
| EMEA01 | 5 | G1 | M , MD | - | S | Engineering Mechanics - Statics and Particle Dynamics | KS KE U W | | | | 4 |
| EMEN05 | 7.5 | A | M | - | S | Project - Engineering Mechanics | KS KE U W | | | | 4 |

Productions and Materials Engineering

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 10/11 | 10/11 | 10/11 | 10/11 |
|------------------------|---------|-------|--------------------------|-------------|----------|--|----------|---------------------------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| MMT125 | 7.5 | A | M, MD | - | S | Applied FEM ☒ project | | KS KE U W | 1 | | | |
| MMT015 | 7.5 | A | I, M, MD | - | S | Material and Process Selection | | KS KE U W | 1 | | | |
| MMTA05 | 6 | G1 | I | - | S | Production Systems | | KS KE U W | 1 | | | |
| MMT031 | 7.5 | A | I, M | - | S | Production Technology | | KS KE U W | 1 | | | |
| MMTN01 | 7.5 | A | I, M | - | S | Project - Production and Materials Engineering | X | KS KE U W | 1 | | | |
| MMTN01 | | | I, M | | | | X | | | 2 | | |
| MMTN01 | | | I, M | | | | X | | | | 3 | |

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| | | | | | | | | 10/11 sp1 | 10/11 sp2 | 10/11 sp3 | 10/11 sp4 | |
| MMTN01 | | | I, M | | | | X | | | | | 4 |
| MMTA02 | 6 | G1 | M, MD | - | S | Introduction to Mechanical Engineering | | KS KE U W | 1 | 2 | | |
| MMTF01 | 6 | G2 | KID | X | E | Production | | KS KE U W | | 2 | | |
| MMT195 | 7.5 | A | M, MD | - | S | Recycling Technology | | KS KE U W | | | 3 | 4 |
| MMT160 | 7.5 | G2 | I, M, MD | - | S | Computer Aided Design/Computer Aided Manufacturing | | KS KE U W | | | | 4 |
| MMT045 | 7.5 | A | I, M | - | S | Flexible Manufacturing Systems | X | KS KE U W | | 2 | | |
| MMT045 | | | I, M | | | | X | | | | | 4 |

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| | | | | | | | | 10/11 sp1 | 10/11 sp2 | 10/11 sp3 | 10/11 sp4 |
| MMTF220 | 7.5 | A | M | - | S | Metal Cutting, Advanced Course | KS KE U W | | | | 4 |
| MMT012 | 7.5 | G2 | M , MD | - | S | Production and Manufacturing Methods | KS KE U W | | | | 4 |
| MMTF05 | 5 | G2 | MID | X | E | Production and Materials | KS KE U W | | | | 4 |

[MMTN01](#) (I, M) Project - Production and Materials Engineering: *Kursstart enligt överenskommelse med kursansvarig.*

[MMT045](#) (I) Flexible Manufacturing Systems: *Kursen är obligatorisk i teknikprofilen Industriell produktframtagning för antagna H08. Kursen är också valfri på programmet.*

Solid Mechanics

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 10/11 | 10/11 | 10/11 | 10/11 |
|------------------------|---------|-------|------------------------------------|-------------|----------|--|----------|---------------------------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| FHL110 | 7.5 | A | E, E, M, MD, N, Pi | X | E | Biomechanics | | KS KE U W | 1 | | | |
| FHLN05 | 7.5 | A | E, I, M, Pi, V | - | E2 | Computational Inelasticity | | KS KE U W | 1 | | | |
| FHL025 | 7.5 | A | M | X | E1 | Project - Solid Mechanics | X | KS KE U W | 1 | | | |
| FHL025 | | | M | | | | X | | | 2 | | |
| FHL025 | | | M | | | | X | | | | 3 | |
| FHL025 | | | M | | | | X | | | | | 4 |
| FHL066 | 7.5 | A | E, M, Pi, V | X | E2 | Finite Element Method for Non-linear Systems | | KS KE U W | | 2 | | |

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| | | | | | | | | KS | KE U W | sp1 | sp2 | sp3 | sp4 |
| FHL105 | 4.5 | G1 | E, Pi | - | S | Solid Mechanics, Basic Course | | KS | KE U W | | 2 | | |
| FHLA01 | 6 | G1 | I | - | S | Solid Mechanics, Basic Course | X | KS | KE U W | | 2 | | |
| FHL055 | 7.5 | G1 | W | - | S | Engineering Mechanics | | KS | KE U W | | 2 | | |
| FHL055 | | | B, E, K, N | | | | | | | | | 3 | |
| FHLN01 | 7.5 | A | E, I, M, MD, Pi | X | E2 | Structural Optimization | | KS | KE U W | | | 3 | |
| FHL013 | 15 | G2 | M, MD | - | E1 | Solid Mechanics, Basic Course | | KS | KE U W | | | 3 | 4 |
| FHL064 | 7.5 | G2 | E, I, M, MD, N | X | E2 | Finite Element Method | | KS | KE U W | | | | 4 |

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| | | | | | | | | 10/11 sp1 | 10/11 sp2 | 10/11 sp3 | 10/11 sp4 |
| FHLE01 | 6 | G2 | E | - | S | Finite Element Method | KS KE U W | | | | 4 |
| FHL090 | 7.5 | A | I, M | X | E2 | Fracture Mechanics, Advanced Course | KS KE U W | | | | 4 |

[FHL025](#) (M) Project - Solid Mechanics: *Kursstart enl ök med avdelningen. Uppgifterna om timmar förutsätter att kursen går över en läsperiod.*

[FHLA01](#) (I) Solid Mechanics, Basic Course: *Kursen är obligatorisk i teknikprofilen Industriell produktframtagning för antagna H08. Kursen är också valfri på programmet.*

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 |
|-------------|---------|--|--|--|
| MME820 | 30 | M | Degree Project in Machine Elements for Engineers | KS U |
| FKM820 | 30 | I , M , N | Degree Project in Engineering Materials | KS U W |
| FME820 | 30 | E , I , M | Degree Project in Mechanics for Engineers | KS U W |
| MMTM01 | 30 | I , M | Degree Project in Production and Materials Engineering | KS U W |
| FHL820 | 30 | E , I , M , N , Pi | Degree Project in Solid Mechanics for Engineers | KS U W |