

Department of Technology and Society

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 15/16 | 15/16 | 15/16 | 15/16 |
|------------------------|---------|-------|--|-------------|----------|---------------------------|---|-------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| VGME15 | 5 | G2 | V | - | S | Geodetic Surveying | KS KE U W T | 1 | | | | |
| VGME10 | 7.5 | G2 | L , V | - | S | Geodesy | KS KE U W T | | | | | 4 |
| VGM630 | 6 | G1 | IBYA , IBYI , IBYV | - | S | Introduction to Geomatics | KS KE U W | | | | | 4 |

Environmental and Energy Systems Studies

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 15/16 | 15/16 | 15/16 | 15/16 |
|------------------------|---------|-------|---|-------------|----------|--|----------|-----------------------------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| EMI031 | 6 | G2 | V | - | S | Environmental Science, Especially Environmental Chemistry | | KS KE U W T | 1 | | | |
| EMI050 | 7.5 | A | BME, C, D, E, F, I, Pi, W | - | S | Energy Systems Analysis: Energy, Environment and Natural Resources | | KS KE U W T | 1 | 2 | | |
| EMIF20 | 7.5 | G2 | BME, E, M, MD, MLIV, Pi, RH | X | E | Environmental Issues | X | KS KE U W T | 1 | 2 | | |
| EMI110 | 7.5 | A | W | - | S | Environmental Management Systems | X | KS KE U W T | 1 | 2 | | |
| EMIF01 | 6 | G2 | I | - | S | Environmental System Studies: Management for Sustainable Development | | KS KE U W T | 1 | 2 | | |
| EMI055 | 7.5 | A | E, F, V, W | - | S | Environmental Systems Studies: Life Cycle Analysis | | KS KE U W T | 1 | 2 | | |
| EMI090 | 15 | G2 | W | - | S | Solid Waste Management | | KS KE U W T | 1 | 2 | | |

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| | | | | | | | | | sp1 | sp2 | sp3 | sp4 | |
| EMIF10 | 6 | G2 | Pi | - | S | Environmental Systems Studies and Sustainable Development | | KS KE U W T | | | 2 | 3 | |
| EMIA01 | 4 | G1 | IBYA , IBYI , IBYV | - | S | Environmental Technology | | KS KE U W T | | | | 3 | |
| EMI040 | 7.5 | A | BI , C , D , E , E , I , M , MD , Pi , RH , W | - | S | Energy Systems Analysis: Renewable Sources of Energy | X | KS KE U W T | | | | 3 | 4 |
| EMIF05 | 12 | G2 | W | - | S | Environmental Management | | KS KE U W T | | | | 3 | 4 |
| EMIN05 | 7.5 | A | E , I , Pi , W | - | S | Environmental System Studies: Climate, Science and Politics | X | KS KE U W T | | | | 3 | 4 |
| EMI085 | 15 | A | L , W | - | S | Environmental Systems Studies: Environmental Impact Assessment | | KS KE U W T | | | | 3 | 4 |
| VTVA01 | 12 | G1 | L | - | S | Infrastructure Technique | | KS KE U W T | | | | 3 | 4 |

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| | | | | | | | | 15/16 sp1 | 15/16 sp2 | 15/16 sp3 | 15/16 sp4 |
| EMI070 | 7.5 | A | E , M , Pi , W | X | E | Environmental Issues, Thematic Course | KS KE U W T | | | | 4 |
| VTVA05 | 12 | G1 | L | - | S | Sustainable Construction | KS KE U W T | | | | 4 |
| EMIF30 | 3 | G2 | E | - | S | Sustainable Development | KS KE U W T | | | | 4 |
| EMIF35 | 4 | G2 | E | - | S | Sustainable Development from an Electro-technological Perspective | KS KE U W T | | | | 4 |

[FMIF20](#) ([MLIV](#)) Environmental Issues: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [FMIF20](#), [KBTF05](#) or [KMB031](#) in order to qualify for their Master's degree.*

[FMI110](#) ([W](#)) Environmental Management Systems: *The course is offered every other academic year and will next be offered in 2015/16.*

[FMI040](#) ([I](#)) Energy Systems Analysis: Renewable Sources of Energy: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2013. The course is also an optional programme course.*

[FMIN05](#) ([I](#)) Environmental System Studies: Climate, Science and Politics: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2013. The course is also an optional programme course.*

Real Estate Science

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 15/16 | 15/16 | 15/16 | 15/16 |
|------------------------|---------|-------|-----------|-------------|----------|--------------------------------------|----------|---|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| VFVN05 | 7.5 | A | L | - | S | Cadastral Procedure | | KS KE U W T | 1 | | | |
| VFVF01 | 15 | G2 | L | - | S | Economics | | KS KE U W T | 1 | | | |
| VFVN10 | 7.5 | A | L | - | S | Land Planning and Building Permits | | KS KE U W T | 1 | | | |
| VFVN15 | 7.5 | A | L | - | S | Law and Economics | X | KS KE U W T | 1 | | | |
| VFV015 | 7.5 | A | L | - | S | The Real Estate Market | | KS KE U W T | 1 | | | |
| VFVN10 | 7.5 | A | L | - | S | Urban Economics | | KS KE U W T | 1 | | | |
| VFR140 | 15 | G1 | L | - | S | Introductory Law and Real Estate Law | | KS KE U W T | 1 | 2 | | |

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| | | Programme | | | | | | | sp1 | sp2 | sp3 | sp4 | |
| VFR035 | 7.5 | G2 | L | - | S | Co-operative Housing | | KS KE U W T | | 2 | | | |
| VFTN30 | 7.5 | A | L | X | E1 | International Real Estate Planning | X | KS KE U W T | Course on hold | | | | |
| VFR180 | 7.5 | A | L | - | S | Land Use Law | X | KS KE U W T | | 2 | | | |
| VFTN20 | 7.5 | A | L | - | S | Principles of Compensation in Real Estate | | KS KE U W T | | 2 | | | |
| VFTF05 | 15 | G2 | L | - | S | Real Estate Appraisal | | KS KE U W T | | 2 | | | |
| VFR120 | 7.5 | A | L, V | - | S | Real Estate Finance | | KS KE U W T | | 2 | | | |
| VERN05 | 7.5 | A | L | - | S | Purchasing Commercial Real Estate | | KS KE U W T | | | | 3 | |
| VFTN01 | 7.5 | A | L | - | S | Real Estate Appraisal Systems | | KS KE U W T | | | | 3 | |

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| | | | | | | | | sp1 | sp2 | sp3 | sp4 | | | |
| VFETA01 | 18 | G1 | L | - | S | Real Estate and Physical Planning | | KS | KE | U | W | T | 3 | 4 |
| VFTE10 | 15 | G2 | L | - | S | Real Property Formation | | KS | KE | U | W | T | 3 | 4 |
| VFEN25 | 7.5 | A | L | - | S | Seminars in Real Estate Science | | KS | KE | U | W | T | | 4 |
| VERN01 | 7.5 | A | L | - | S | Tenancy | | KS | KE | U | W | T | | 4 |

[VFEN15](#) (L) Law and Economics: *The course is offered every other academic year and will be given 2015/16, 2017/18.*

[VFEN30](#) (L) International Real Estate Planning: *The course is offered every other academic year and will be given 2016/17, 2018/19.*

[VER180](#) (L) Land Use Law: *The course is offered every other academic year and will be given 2015/16, 2017/18.*

Traffic and Roads

| Course Code | Credits | Cycle | Programme | S.Ex. stud. | Language | Course Name | Footnote | Links | 15/16 | 15/16 | 15/16 | 15/16 |
|------------------------|---------|-------|---|-------------|----------|---|---|-------|-------|-------|-------|-------|
| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| VTVA55 | 3 | G1 | IBYI , IBYV | - | S | CAD - Road and Railway | KS KE U W | 1 | | | | |
| VTVN01 | 7.5 | A | IBYV , V | - | S | Highway Design | KS KE U W T | 1 | | | | |
| VVBN05 | 7.5 | A | IBYV , V | - | S | Highway Maintenance | KS KE U W T | 1 | | | | |
| VVB645 | 4.5 | G2 | IBYI | - | S | Railway in a European Perspective | KS KE U W | 1 | | | | |
| VVBF20 | 5 | G2 | V | - | S | Road Construction | KS KE U W T | 1 | | | | |
| VTTF05 | 7.5 | G2 | IBYI , IBYV , L , V | - | S | Traffic Engineering Theory: Accessibility, Level of service, Safety and Environment | KS KE U W T | 1 | | | | |
| VTVA10 | 4 | G1 | V | - | S | Engineering Skills with CAD | KS KE U W T | 1 | 2 | | | |

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| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| VTVF80 | 11 | G2 | IBYI | - | S | Railway Planning and Design Methodology | | KS KE U W T | 1 | 2 | | |
| VTVA35 | 9 | G1 | IBYI | - | S | Track and Permanent Way for Engineers | | KS KE U W T | 1 | 2 | | |
| VTVA50 | 9 | G1 | IBYI , IBYV | - | S | Transports and Society | | KS KE U W T | 1 | 2 | | |
| VTTN01 | 15 | A | V | - | S | Urban Traffic and Road Project | | KS KE U W T | 1 | 2 | | |
| VVBF25 | 8 | G2 | IBYV | - | S | Road Construction and Production Planning | | KS KE U W T | 1 | 2 | 3 | |
| VFR601 | 4.5 | G1 | IBYI , IBYV | - | S | Basic Agreement- and Contract Law | | KS KE U | | 2 | | |
| VTTE10 | 7.5 | G2 | IBYV , V | - | S | Effects of Traffic: Accessibility, Level of Service, Safety and Environment | | KS KE U W T | | 2 | | |

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| | | | | | | | | | sp1 | sp2 | sp3 | sp4 |
| VTVF70 | 7 | G2 | IBYI | - | S | Maintenance of Railway Constructions | | KS KE U W | | 2 | | |
| VTVF85 | 7.5 | G2 | IBYV , V | - | S | Railway Design | | KS KE U W T | | 2 | | |
| VTTF01 | 7.5 | G2 | L , V | - | S | Traffic Engineering | | KS KE U W T | | 2 | | |
| VTTN05 | 7.5 | A | V | X | E | Transport Management | X | KS KE U W T | | 2 | | |
| VTVF45 | 10 | G2 | IBYI | - | S | Electric Power Systems for Electrified Railway | | KS KE U W T | | 2 | 3 | |
| VVBF10 | 7.5 | G2 | IBYI , IBYV , V | - | S | Economics | | KS KE U W T | | | 3 | |
| VVBF15 | 7.5 | G2 | IBYI | - | S | Interaction between Track and Vehicle-trackvehicle Technique | | KS KE U W T | | | 3 | |

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| | | | | | | | | 15/16 sp1 | 15/16 sp2 | 15/16 sp3 | 15/16 sp4 |
| VVBN10 | 7.5 | A | IBYV, V | - | S | Pavement Design and Construction | KS KE U W T | | | 3 | |
| VTVA45 | 7 | G1 | IBYI, IBYV | - | S | Road and Railway Engineering | KS KE U W T | | | 3 | 4 |
| VTVE35 | 12 | G2 | IBYI | - | S | Traffic Control and Telecommunication in Railway Traffic | KS KE U W T | | | 3 | 4 |
| VTTN10 | 7.5 | A | IBYV, V | X | S | Public Transport | KS KE U W T | | | | 4 |
| VVBE30 | 8 | G2 | IBYV | - | S | Road and Street Design | KS KE U W T | | | | 4 |

[VTTN05 \(V\)](#) Transport Management: *The course is offered every other academic year and will be given 2015/16, 2017/18.*

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. The list is not necessarily complete before the academic year 2016/17.

Links

| Course Code | Credits | Programme | Course Name | Links |
|-------------|---------|---|--|---|
| VGML01 | 15 | L , V | Bachelor Project in Geodetic Surveying | KS KE U |
| FMIL01 | 15 | E , V , W | Bachelor Project in Environmental Studies | KS KE U |
| VFTL01 | 15 | L | Bachelor Project in Real Estate Science | KS KE U |
| VVBL01 | 15 | V | Bachelor Project in Road Construction | KS KE U W |
| VTTL01 | 15 | V | Bachelor Project in Traffic Planning and Engineering | KS KE U |

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 |
|-------------|---------|--|--|---|
| VGM820 | 30 | L , V | Degree Project in Geodetic Surveying for Engineers | KS KE U |
| FMI820 | 30 | E , I , M , RH , V , W | Degree Project in Environmental Studies | KS KE U W |
| VFT920 | 30 | L | Degree Project in Real Estate Science | KS KE U W |
| VVB820 | 30 | V | Degree Project in Road Construction for Engineers | KS KE U W |
| VTT820 | 30 | V | Degree Project in Traffic Planning and Engineering | KS KE U |
| VTT616 | 22.5 | IBYA , IBYL , IBYV | Degree Project Infrastructure | KS KE U |