

## MASTER'S PROGRAMME IN REAL ESTATE ECONOMICS CURRICULUM 2020-2021, 2021-2022 / COURSE DESCRIPTIONS

*Note that due to the effects of the COVID-19 virus, course descriptions may change.  
Check the latest information on courses on the MyCourses website.*

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REC-E3100: Real Estate Economics D, 6 cr  
REC-E3200: Institutions in Real Estate Economics D, 6 cr  
REC-E3300: Facility and Property Management D, 6 cr  
REC-E3400: Housing Economics D, 6 cr  
REC-E3500: Urban Economics D, 6 cr  
REC-E3600: Real Estate Market Analysis D, 6 cr  
REC-E3700: Sustainable Real Estate and Cities D, 6 cr  
REC-E4100: Real Estate Finance D, 6 cr  
REC-E4200: Real Estate Development D, 6 cr  
REC-E4300: Real Estate Valuation D, 6 cr  
REC-E4500: Land Management D, 6 cr  
REC-E4600: Economic Law D, 6 cr  
REC-E4700: Environmental Law D, 6 cr  
REC-E5100: Special Topics in Real Estate Economics D, 1 - 12 cr  
REC-E5100: Special Topics in Real Estate Economics D, 1 - 12 cr  
REC-E5200: Special Assignment in Real Estate Economics D, 1 - 12 cr  
REC-E5300: Seminars in Real Estate Economics D, 1 - 12 cr

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### REC-E3100 - Real Estate Economics D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory); Master's Programme in Creative Sustainability (Real Estate and Water Management), common studies (compulsory); Master's Programme in Urban Studies and Planning (real estate specialization), common studies (compulsory); Minor in Real Estate Economics (compulsory).

**Level:** Master

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Autumn I / 2021-2022 Autumn I

**Teacher-in-Charge:** N.N. (Programme Director Ari Ekroos)

**SDG goals:** Sustainable cities and communities

**Substitute:** REC-E1010 Real Estate Economics

**Prerequisite:** -

**Outcome:** After the course, the student is familiar with the characteristics of real estate markets and assets. The student understands the basic functions of real estate markets, the role of various actors operating in these markets, and the principles of real estate market dynamics. Further, the student understands value concepts, real estate price and profit formation, and the basic principles of valuation. He/she also is able to perform valuation calculations.

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**Content:** Characteristics of real estate assets and markets, Actors in real estate market, Market dynamics, Principles of real estate valuation, Valuation methods

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures and assignments, option for an exam (preliminary). The assessment methods and criteria will be announced in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** The course is offered only to students in the Master's Programme in Real Estate Economics, Master's Programme Creative Sustainability (Real Estate and Water Management), Master's Programme in Urban Studies and Planning (real estate specialization) and those exchange students who have been pre-admitted to the course.

If the number of students does not exceed 80, students in Minor in Real Estate Economics can be accepted to the course. The minor students will be selected based on motivation letter and GPA of previous studies.

Others than degree students of the Master's Programme in Real Estate Economics should submit a transcript of records and a motivation letter to the MyCourses page of the course two weeks before the course starts.

### REC-E3200 - Institutions in Real Estate Economics D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory); Master's Programme in Creative Sustainability (Real Estate and Water Management), common studies (compulsory), Minor in Real Estate Economics (compulsory).

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Autumn I / 2021-2022 Autumn I

**Teacher-in-Charge:** Kirsikka Riekkinen

**SDG goals:** Sustainable cities and communities, Peace, justice and strong institutions

**Substitute:** REC-E1020 Property Rights, Cadaster and Planning

**Prerequisite:** -

**Outcome:** After the course the student comprehends: the basic content of the cadaster and is able to describe the relations between real estate register, title and mortgage register and legal cadastral surveys land tenure and land administration systems constitutional basis, administrative systems and principles of administrative law land use planning system, public construction law and land use policy legal basis of contract law and real estate purchase legislation outlines of companies legislation

**Content:** Cadastral system, Land administration, Concept of real estate, Constitutional basis, administrative systems and principles of administrative law, Contract law and real estate purchase legislation, Land use planning system Company legislation

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** The assessment methods and criteria will be defined in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu.

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### REC-E3300 - Facility and Property Management D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory); Minor in Real Estate Economics (elective).

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Autumn II / 2021-2022 Autumn II

**Teacher-in-Charge:** N.N. (Programme Director Ari Ekroos)

**SDG goals:** Sustainable cities and communities

**Substitute:** REC-E1030 Facility and Property Management

**Prerequisite:** -

**Outcome:** After the course the students understand the importance and strategic support role of facility and property management to the core operations of different organisations. The students are familiar with the theoretical concepts and able to apply their new knowledge in practice. They can describe, analyse and solve typical issues of real estate as resources to the extent of constructing facility and property management solutions in a given setting and developing appropriate criteria for action.

**Content:** The course introduces students to facility and property management as a strategic support function for the core operations of an organisation. The main topics covered are the real estate needs and strategies of different organisations, service provision in the field, the costs and sustainability issues of space use, and the potential added value of professional corporate real estate management.

**Workload:** 160 hours (6 cr) of lectures and independent work. The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures and assignments (preliminary and subject to change). The assessment methods and criteria will be defined in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu.

### REC-E3400 - Housing Economics D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory); Minor in Real Estate Economics (elective).

**Level:** Master (Digitized)

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Autumn II / 2021-2022 Autumn II

**Teacher-in-Charge:** Elias Oikarinen

**SDG goals:** Sustainable cities and communities

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**Substitute:** REC-E1040 Urban Economics for Real Estate

**Prerequisite:** REC-E3100 Real Estate Economics, REC-E3200 Institutions in Real Estate Economics

**Outcome:** After the course, the student is familiar with the basics of housing market equilibrium and dynamics and of housing valuation. The student will understand basics of: the formation of housing market equilibrium; the relationship between housing prices, rents and supply; the important role of housing supply elasticity; the reasons for and outcomes of regional variations in housing market variables; housing price and rent formation at the macro and micro levels; the role of public sector interventions in the housing market.

**Content :** Key actors in the housing market, basic models for housing market long-term equilibrium and short-term dynamics, basic valuation concepts for housing including hedonic valuation and regression, supply elasticity of housing and land leverage, regional differences in key housing market variables, the role of public sector interventions in the housing market.

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures and assignments, option for an exam (preliminary). The assessment methods and criteria will be announced in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu. The course is offered only to students in the Master's Programme in Real Estate Economics, Master's Programme Creative Sustainability (Real Estate and Water Management) and Master's Programme in Urban Studies and Planning (real estate specialization), students in Minor in Real Estate Economics and those exchange students who have been pre-admitted to the course.

### REC-E3500 - Urban Economics D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory), Master's Programme in Urban Studies and Planning (real estate specialization), Minor in Real Estate Economics (elective).

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring III / 2021-2022 Spring III

**Teacher-in-Charge:** Tuukka Saarimaa, Heidi Falkenbach

**SDG goals:** Sustainable cities and communities

**Substitute:** -

**Prerequisite:** REC-E3100 Real Estate Economic or principles of economics

**Outcome:** After the course, the student understands the main economic forces that lead to the existence of cities. The student is familiar with the theories related to the emergence of cities and their role on agglomeration, productivity, urban amenities, and congestion. The student is familiar with key/main models of urban economics and understands the determinants of urban land values, and how land values vary within and between cities. The student is familiar with methodologies to evaluate urban characteristics, and the challenges of these methodologies. The student is familiar with the role and challenges related to housing and urban policies.

**Content:** Formation of cities, urban labor markets and urban structure, land prices, urban policies.

**Workload:** 160 hours (6 cr). The workload per activity type will be announced in the course syllabus.

**Assessment:** The assessment methods and criteria will be announced in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu.

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### REC-E3600 - Real Estate Market Analysis D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, common studies (compulsory); Minor in Real Estate Economics (elective).

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring III / 2021-2022 Spring III

**Teacher-in-Charge:** Heidi Falkenbach

**SDG goals:** Industry, innovation and infrastructure, Sustainable cities and communities

**Substitute:** REC-E1050 Commercial Real Estate Markets and Analysis

**Prerequisite:** REC-E3100 Real Estate Economics and REC-E3200 Institutions in Real Estate Economics

**Outcome:** After the course the student understands the process and function of market analysis in commercial property markets as well as the dynamics of commercial property markets, including price formation. He/she is familiar with the sources and contents of market data and understands their shortcomings. He/she can apply this knowledge in the valuation of a commercial property using the income approach. In addition to student will be able to analyse, assess and create information by interpreting domestic and foreign research, sources and other information.

**Content:** Market analysis, discounted cash flow, commercial property demand and supply, price formation and price factors of commercial properties, rental dynamics, yields.

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Home assignment, option for a pre- or final exam (preliminary). The assessment methods and criteria will be defined in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu. The course is offered only to students in the Master's Programme in Real Estate Economics, Master's Programme Creative Sustainability (Real Estate and Water Management) and Master's Programme in Urban Studies and Planning (real estate specialization), students in Minor in Real Estate Economics and those exchange students who have been pre-admitted to the course.

### REC-E3700 - Sustainable Real Estate and Cities D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Master

**Also qualifies to postgraduate studies:** Yes

**Course with varying content:** No

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring IV / 2021-2022 Spring IV

**Teacher-in-Charge:** Seppo Junnila

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**SDG goals:** Industry, innovation and infrastructure, Sustainable cities and communities, Climate action

**Substitute:** -

**Prerequisite:** Real Estate Courses

**Outcome:** After the course the student understands (has a good knowledge of) the role of Real Estates and Cities in the mitigation of climate change and other sustainability challenges. Similarly, understands the economic implication and opportunities of sustainable Real Estate can identify and compare management models and sustainability indicators used in Real Estate can evaluate (critically analyse) the significance of long-term strategic management and distinguish and classify the sustainability challenges associated with Real Estate and Cities + Improved academic writing and presentation skills

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures, exercises and exam. The assessment methods and criteria will be defined in course syllabus. Preliminary and subject to change.

**Material:** To be announced in course syllabus and lectures.

**Registration:** Registration via Sisu.

### REC-E4100 - Real Estate Finance D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring IV / 2021-2022 Spring IV

**Teacher-in-Charge:** Heidi Falkenbach

**SDG goals:** Industry, innovation and infrastructure, Sustainable cities and communities

**Substitute:** REC-E3020 Real Estate Finance

**Prerequisite:** REC-E3600 Real Estate Market Analysis

**Outcome:** The student is familiar with the characteristics of real estate investments, both direct and indirect, and understands the role of real estate in a mixed asset portfolio. The student understands how the characteristics of real estate investment and data issues affect application of standard theories in finance to real estate, and is able to conduct basic analyses. The student understands the role of investment strategy in portfolio management and implementation.

**Content:** Principles and practices of real estate finance, real estate in a mixed asset portfolio. Application of financial theories to real estate investment, real estate portfolios and portfolio construction. Indirect real estate investments. Portfolio strategy and implementation.

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment :** The assessment methods and criteria will be announced in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu. The course is offered only to students in the Master's Programme in Real Estate Economics, Master's Programme Creative Sustainability (Real Estate and Water Management) and Master's Programme in Urban Studies and Planning (real estate specialization) and those exchange students who have been pre-admitted to the course.



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### REC-E4200 - Real Estate Development D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional) and Master's Programme in Creative Sustainability (Real Estate and Water Management), advanced studies (compulsory).

**Level:** Master, Doctoral

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring IV / 2021-2022 Spring IV

**Teacher-in-Charge:** Saija Toivonen

**SDG goals:** Reduced inequalities, Sustainable cities and communities, Responsible consumption and production, Climate action, Partnerships for the goals

**Substitute:** REC-E3030 Real Estate Development

**Prerequisite:** REC-E3600 Real Estate Market Analysis L

**Outcome:** After the course the student is able to describe the development process and its phases, different actors and their roles. is familiar with land policy and plan implementation tools. is able to describe the relation between planning and development process and varying scopes of development processes. is able to discuss the multidimensional aspects of development process. is able to analyze the content and purpose of development plans.

**Content:** Development process and its phases Different actors and their roles Planning and the role of public sector  
Scope of development Market analysis and development plan Valuation of feasibility of development project  
Uncertainty and risks in development process Land policy, plan implementation Different aspects in development

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures and exercises. The assessment methods and criteria will be defined in course syllabus. Preliminary and subject to change.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu. The course is offered only to students in the Master's Programme in Real Estate Economics, Master's Programme Creative Sustainability (Real Estate and Water Management) and Master's Programme in Urban Studies and Planning (real estate specialization, students in Minor in Real Estate Economics and those exchange students who have been pre-admitted to the course.

### REC-E4300 - Real Estate Valuation D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring V / 2021-2022 Spring V

**Teacher-in-Charge:** Kauko Viitanen

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**SDG goals:** Sustainable cities and communities

**Substitute:** REC-E3040 Real Estate Investment Analysis

**Prerequisite:** REC-E3600 Real Estate Market Analysis

**Outcome:** After the course students understand the principles of real estate investment markets and valuation especially in the field of commercial property markets and are able to apply their knowledge in practice. They will be able to acquire, analyse, assess and interpret information needed for conduct valuations and analyses for real estate investment decisions, and develop appropriate criteria for actions.

**Content:** Valuation standards, valuation process, valuation report, valuation methods, ethical conduct of valuations.

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** Lectures/Workshops/Seminars, group work and assignments (preliminary). Regular attendance required. One absence may be made up by completing an assignment agreed upon with the teacher. The assessment methods and criteria will be defined in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu. The course is offered only to students in the Master's Programme in Real Estate Economics, and Master's Programme in Urban Studies and Planning (real estate specialization) and those exchange students who have been pre-admitted to the course.

### REC-E4500 - Land Management D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring V / 2021-2022 Spring V

**Teacher-in-Charge:** Kirsikka Riekkinen

**SDG goals:** No poverty, Gender equality, Sustainable cities and communities, Peace, justice and strong institutions

**Substitute:** REC-E5010 Basic Cadastral Surveys (Perustoimitukset)

**Prerequisite:** REC-E3200 Institutions in Real Estate Economics

**Outcome:** After this course, the student can critically analyse different cadastral systems and their functions and elements. The student understands the meaning and purpose of responsible and sustainable land management.

**Content:** Functions and elements of cadastral systems, responsible and sustainable land management.

**Workload:** 160 hours (6 cr). The workload per activity type will be presented in the course syllabus.

**Assessment :** The assessment methods and criteria will be defined in course syllabus.

**Material:** To be announced in course syllabus, MyCourses and lectures.

**Registration:** Registration via Sisu.

### REC-E4600 - Economic Law D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Master's level, doctoral level



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**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5 or pass/fail

**Teaching Periods:** 2020-2021 No teaching / 2021-2022 No teaching

**Teacher-in-Charge:** Antti Palmujoki

**SDG goals:** Decent work and economic growth, Responsible consumption and production

**Substitute:** REC-E4010 Economic Law

**Prerequisite:**

**Outcome:** After the course the student: Recognizes the special matters of the one or several sectors of economic or business law. Comprehends the prerequisites of specific sector economic or business law and the possibilities of property and other kind of development and business provided by it. Comprehends the multiphase administrative procedure in economic law sector, as well as the particular challenges to development posed by it from a business point of view.

**Content:** The purpose is to give in depth knowledge from the field of economic law.

**Workload:** 6 cr, 160 hours. Typically summary of a legal book (133 pages/cr of a book or several books) or task paper on agreed special topic (8 pages/cr).

**Assessment:** Summary paper or Lectures and exam: pass/fail or 0-5

**Material:** Will be announced in MyCourses.

**Registration:** No requirements. Teacher should be contacted by e-mail and books (or other material) should be agreed by the teacher.

### REC-E4700 - Environmental Law D

**Name (FI):** Ympäristöoikeus D

**Name (SV):** Miljö rätt D

**Departments:** Department of Built Environment

**Scope:** 6 cr

**Status:** Master's Programme in Real Estate Economics, major studies (optional courses)

**Level:** Masteritaso, tohtoritaso

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** No

**Teaching language:** Finnish

**Languages of attainment:** Finnish, Swedish

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Spring IV-V / 2021-2022 Spring IV-V

**Teacher-in-Charge:** Ari Ekroos

**SDG goals:** Clean water and sanitation, Affordable and clean energy, Sustainable cities and communities, Climate action, Life below water, Life on land, Peace, justice and strong institutions

**Substitute (FI):** REC-E1060 Business Environmental Law tai REC-E4020 Environmental Law

**Substitute (SV):** REC-E1060 Business Environmental Law eller REC-E4020 Environmental Law

**Substitute (EN) :** REC-E1060 Business Environmental Law or REC-E4020 Environmental Law

**Prerequisite (FI):** Perustiedot Suomen oikeusjärjestyksestä ja ympäristöoikeudellisesta sääntelystä.

**Prerequisite (SV):** Perustiedot Suomen oikeusjärjestyksestä ja ympäristöoikeudellisesta sääntelystä.

**Prerequisite (EN) :** Perustiedot Suomen oikeusjärjestyksestä ja ympäristöoikeudellisesta sääntelystä.

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**Outcome (FI):** Kurssin jälkeen opiskelija ymmärtää ympäristöoikeuden kokonaisuuden ja/tai sen tietyn osa-alueen lainsäädännön ja hallinnollisen päätöksenteon ja menettelyiden problematiikan pääpiirteet kiinteistöliiketoiminnan kannalta keskeisimmät haasteet ja mahdollisuudet

**Outcome (SV):** Studerande skall efter avklarad kurs känna till centrala miljörättsliga normer, begrepp, principer och rättsinstitut inom de områden kursen behandlar. Studerande skall även kunna identifiera och lösa rättsliga problem genom att använda olika rättskällor.

**Outcome (EN) :** Recognizes the special matters of the one or several sectors of environmental law. Comprehends the prerequisites of specific sector environmental law and the possibilities development and business provided by it. Comprehends the multiphase administrative procedure in environmental law sector, as well as the particular challenges to development posed by it from a business point of view.

**Content (FI):** Kurssilla käsitellään: maankäyttö- ja rakennuslainsäädäntöä ympäristönsuojelulainsäädäntöä luonnonsuojelulainsäädäntöä vesilainsäädäntöä ilmastolainsäädäntöä hallinto-, hallintolainkäyttö- ja kuntalainsäädäntöä sekä perustuslakia EU:n lainsäädäntökehikkoa Sisältö keskittyy ajankohtaisiin kysymyksiin.

**Content (SV):** Kursen behandlar valda delar av den miljöjuridik som berör affärsverksamhet.

**Content (EN):** Environmental, climate and administrative procedure legislation in Finland and EU.

**Workload (FI):** 160 h (6 cr) Työmäärä toteutustavoittain kuvataan kurssiesitteessä.

**Workload (SV):** 160 h (6 cr)

**Workload (EN) :** 160 h (6 cr)

**Assessment (FI):** 0-5 tai hyväksytty/hylätty

**Assessment (SV):** 0-5 eller pass/fail

**Assessment (EN) :** 0-5 or pass/fail

**Material (FI):** Ilmoitetaan MyCoursesissa ja luennoilla.

**Material (SV):** Presenteras i MyCourses och föreläsningar.

**Material (EN) :** To be announced in MyCourses and lectures.

### REC-E5100 - Special Topics in Real Estate Economics D

**Departments:** Department of Built Environment

**Scope:** 1 – 12 cr

**Status:** Master's Programme in Real Estate Economics, advanced studies (optional)

**Level:** Maisteriohjelmat, tohtoriohjelmat

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** Yes

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 No teaching / 2021-2022 No teaching

**Teachers-in-Charge:** Seppo Junnila, Kauko Viitanen, Ari Ekroos, Heidi Falkenbach, Kirsikka Riekkinen, Saija Toivonen

**Substitute:** REC-E7010 Special Topics in Real Estate Economics

**Workload:** 27-270 hours (1-10 cr). The workload per activity type will be presented in the course syllabus.

**Assessment:** The assessment methods and criteria will be defined in course syllabus.

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### REC-E5200 - Special Assignment in Real Estate Economics D

**Departments:** Department of Built Environment

**Scope:** 1 – 12 cr

**Status:** Master's Programmes in Real Estate Economics, advanced studies (optional) and Master's Programme in Creative Sustainability (Real Estate and Water Management), advanced studies (compulsory)

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** Yes

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 Autumn I-Summer / 2021-2022 Autumn I-Summer

**Teachers-in-Charge:** Seppo Junnila, Kauko Viitanen, Ari Ekroos, Heidi Falkenbach, Kirsikka Riekkinen, Saija Toivonen

**Substitute:** REC-E7020 Special Assignment in Real Estate Economics

**Outcome:** After the course the student has deepened his/her knowledge on the topic area of the studies. The student can create knowledge through analysis of Finnish and international reference materials and interpret their relevance and content. The student is able to apply the theoretical knowledge and concepts related to the topic.

**Content:** To be agreed with the teacher.

**Workload:** Written assignment 27-270 h (1-12 cr)

**Assessment:** The assessment methods and criteria will be defined in course syllabus.

**Registration:** This is a fit for purpose course offered only for students of Real Estate Economics with special needs for curricula adaptation, such as exchange studies.

### REC-E5300 - Seminars in Real Estate Economics D

**Departments:** Department of Built Environment

**Scope:** 1 – 12 cr

**Status:** Master's Programme in Real Estate Economics, advanced level (optional)

**Level:** Master's level, doctoral level

**Also qualifies to postgraduate studies:** Yes

**Course can be repeated:** Yes

**Teaching language:** English

**Languages of attainment:** English

**Grading scale:** 0-5

**Teaching Periods:** 2020-2021 No teaching / 2021-2022 No teaching

**Teachers-in-Charge:** Seppo Junnila, Kauko Viitanen, Ari Ekroos, Heidi Falkenbach, Kirsikka Riekkinen, Saija Toivonen

**Substitute:** REC-E7020 Special Assignment in Real Estate Economics

**Outcome:** After the course the student has deepened his/her knowledge on the topic area of the studies. The student can create knowledge through analysis of Finnish and international reference materials and interpret their relevance and content. The student is able to apply the theoretical knowledge and concepts related to the topic.

**Content:** To be agreed with the teacher.

**Workload:** 27-270 h (1-12 cr). Seminar participation and/or presentation. Workload per activity type will be presented in the course syllabus.

**Assessment:** The assessment methods and criteria will be defined in course syllabus.