

# Opasraportti

## FTech - Courses in English for exchange students, Oulu School of Architecture (2020 - 2021)

University's new study guide for academic year 2020-2021 is published at <https://opas.peppi oulu.fi>

The study guide includes information on degrees, curriculums, courses and course timetables. Course registrations are still done in Oodi.

If you have questions on information in the study guide, please contact the study field's Academic Affairs Service Team <https://www oulu.fi/forstudents/faculty-study-affairs>

### Courses in English for exchange students at the Oulu School of Architecture

This Course Catalogue lists courses taught in English that are available for exchange students at the Oulu School of Architecture during academic year 2020-21.

When preparing your study plan please use the information provided under the **Courses** tab in this catalogue. Read carefully the information of each course you wish to take (language of instruction, target group, course content, timing, preceding studies, additional information etc.).

For information on the exchange application process please see [www oulu.fi/university/studentexchange](http://www oulu.fi/university/studentexchange). All exchange applicants must submit their exchange application through SoleMOVE by the deadline given, proposed study plan is attached to the on-line application.

Accepted exchange students are required to register to all courses. Course registration takes place once you have received your University of Oulu login information, this takes place close to the start of your exchange period. When registering you will be able to find detailed information on teaching and schedule under the **Instruction** tab.

### Teaching periods for 2020-21

#### Autumn term 2020

Period 1: Sept 1 - Oct 25, 2020

Period 2: Oct 26 – Dec 18, 2020

#### Spring term 2021

Period 3: Jan 5 – March 14, 2021

Period 4: March 15 – May 9, 2021

For arrival and orientation dates see [www oulu.fi/university/studentexchange/academic-calender](http://www oulu.fi/university/studentexchange/academic-calender)

Any questions on courses at the Oulu School of Architecture should be addressed to:

Name

study.architecture@ oulu.fi

Further information on application process and services for incoming exchange students:  
[www oulu.fi/university/studentexchange](http://www oulu.fi/university/studentexchange) or international.office(at) oulu.fi

## Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

455561S: Advanced Studies in Architectural Design, 2 - 10 op  
 455517S: Architectural Lighting, 5 op  
 900013Y: Beginners' Finnish Course 1, 3 op  
 452504A: Contemporary Architecture IV, 15 op  
 455522S: Design in Urban Context, 10 op  
 900020Y: Finnish for Advanced Students, 4 op  
 455517A: Interior Design, 5 - 10 op  
 900015Y: Intermediate Finnish Course 1, 5 op  
 900016Y: Intermediate Finnish Course 2, 5 op  
 453533A: Large scale structures, 5 op  
 450552S: Research in Architecture, 5 - 10 op  
 900023Y: Structures of the Finnish Language, 4 op  
 900017Y: Survival Finnish, 2 op  
 454522S: Urban Space Design, 10 op  
 455521S: Urban Space Detailing, 10 op  
 452550S: Varying Courses of Contemporary Architecture, 2 - 10 op  
 454540A: Varying Courses of Urban Design, 2 - 10 op

## Opintojaksosten kuvaukset

### Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksosten kuvaukset

#### **455561S: Advanced Studies in Architectural Design, 2 - 10 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Aulikki Herneoja

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2-10

**Language of instruction:**

English

**Timing:**

Autumn term 1-2

**Learning outcomes:**

After completing the course the student is able to fairly independently carry out a project work related to architectural design. The student is able to implement the previously learned knowledge through particular issues defined individually together with the teacher. The student is able to apply the principles of sustainability. Student is able to apply research skills in his / her exercise (for example research by design).

**Contents:**

The aim of the course is to offer the student the possibility to advance his/her knowledge of a special issue of design through a literary and /or a visual thesis and in design exercise according to his / her own choice. The chosen design issue should be attached to the theme of Contemporary Architecture V exercise. The content of the course is defined individually in co-operation with the teacher. The student completes a literary and /or a visual thesis and design exercise according to an agreed program.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

Personal or / and group tutoring maximum 20-80 hours.

**Target group:**

2nd year master students

**Prerequisites and co-requisites:**

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**Recommended optional programme components:**

The course belongs to the Advanced Architectural Design study module. The Advanced Studies in Architectural Design course is suggested to proceed together with course Contemporary Architecture V.

**Recommended or required reading:**

Course literature will be selected according to the chosen issue of design.

**Assessment methods and criteria:**

The student completes a design exercise according to given instructions. The evaluation is made based on outcome of the exercise work. No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Lecturer Aulikki Herneoja

**Working life cooperation:**

Concentrating on design contents of architecture in written and / or in visual form belong to demanding architectural design tasks in work life context..

**Other information:**

This course is intended for registered master level students of the Oulu School of Architecture, including the international students of the school.

**455517S: Architectural Lighting, 5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Henrika Pihlajaniemi

**Opintokohteen kielet:** English

**ECTS Credits:**

5

**Language of instruction:**

English

**Timing:**

Spring term 1 & 2

**Learning outcomes:**

After completing the course the student commands the concepts of natural and artificial lighting, in order to be able to analyze the relationship between architecture and light, using basic concepts of lighting. The student can prepare a lighting scheme for his/her own design project and make a CAD-visualized lighting design based on the scheme, utilizing both natural light and various artificial light sources. The student is able to apply the principles of sustainability in his/her design solutions, in utilizing natural light and in selection of light sources.

**Contents:**

The objective of the course is to study the relationship between architecture and light. The studies cover both natural and artificial light. The lectures deal with architecture and light, concepts of light, modes of lighting as well as different sources of artificial light and types of light fixtures. Both indoor and outdoor lighting solutions are studied. Aspects of sustainability and energy efficiency are included in the contents of the course, in connection with designing and controlling natural light, as well as in relation to selection of light sources and designing

controllable lighting solutions, using artificial lighting. The project work comprises a lighting analysis of a selected interior and a concept level CAD-visualized lighting design, which is connected to the exercise work in contemporary architecture. The course includes visits to places and interiors of interest within lighting design.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

12h lectures and/or contact teaching and 36h personal or/and group tutoring.

**Target group:**

1st year master students

**Prerequisites and co-requisites:**

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**Recommended optional programme components:**

Course is part of module Design of Public Buildings. Architectural Lighting course is suggested to proceed together with Interior Design course.

**Recommended or required reading:**

Course literature will be announced separately.

**Assessment methods and criteria:**

The student attends the lectures and completes a design exercise according to the instructions. The evaluation is made based on the outcome of the exercise work. No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Teacher Henrika Pihlajaniemi

**Working life cooperation:**

The design of buildings from the perspectives of daylighting and energy-efficiency belongs to the tasks of an architect. Additionally, the tasks include designing the principles and realization of artificial lighting in a way that it supports the functions, use and architectural character of the building. There is a wide demand for expertise of lighting design in the field of architectural design. The teachers of the course have experience as practicing architects and design professionals and they have direct relation to the professional working life.

**Other information:**

This course unit is intended for registered master level students of the Oulu School of Architecture, including the international students of the school.

## 900013Y: Beginners' Finnish Course 1, 3 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900013Y Beginners' Finnish Course 1 (OPEN UNI) 2.0 op

**Proficiency level:**

A1 (target level A1.2)

**Status:**

The course is intended for the international students in every faculty of Oulu University.

**Required proficiency level:**

A1.1, Completion of the Survival Finnish course (900017Y) or the equivalent language skills.

**ECTS Credits:**

3 ECTS credits

**Language of instruction:**

As much Finnish as possible; English will be used as a help language.

**Timing:**

-

**Learning outcomes:**

By the end of the course the student can understand and use some familiar and common everyday expressions relating to her/himself and everyday situations. S/he can interact in a simple way provided the other person talks slowly and clearly and is willing to help. The student is able to read short simple texts and messages dealing with familiar topics. S/he also deepens her/his understanding of the Finnish language and communication styles.

**Contents:**

This is lower elementary course which aims to help students to learn communication skills in ordinary everyday situations. During the course, students broaden their vocabulary and knowledge of grammar and principles of pronunciation. They also practise to understand easy Finnish talk about everyday subjects, and reading and writing short and simple texts/messages.

The topics and communicative situations covered in the course are: talking about oneself, one's family, studies and daily routines, as well as asking about these things from other person; expressing opinions; food, drink and transactions in the grocery; accommodation and describing it; colours and adjectives.

The structures studied are: verb types, basics of the change of the consonants k, p and t in verbs and nouns, basics of the partitive and genitive cases, possessive structure, some declension types for nouns (word types) and the basics of the local cases.

**Mode of delivery:**

Contact teaching and guided self study

**Learning activities and teaching methods:**

Lessons 2 times a week (26 h, including the final exam) and guided self study (55 h)

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University.

**Prerequisites and co-requisites:**

Completion of the Survival Finnish Course

**Recommended optional programme components:**

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**Recommended or required reading:**

Kuparinen, K. & Tapaninen, T. Oma suomi 1 (chapter 2 - 5)

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (twice a week), homework assignments and written exam at the end of the course will be observed in assessment.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading scale is 1-5.

**Person responsible:**

Anne Koskela

**Working life cooperation:**

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**Other information:**

Sign-up in WebOodi or Tuudo. The course will start right after the Survival Finnish course.

## 452504A: Contemporary Architecture IV, 15 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Anssi Lassila

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

15

**Language of instruction:**

English / Finnish

**Timing:**

spring term

**Learning outcomes:**

The objective of the course is to initiate the students through lectures and exercises into the architecture and design of public buildings.

After completing the course the student has the skills to sketch a medium- size (approx. 1000–8000 m<sup>2</sup>) public building, taking into account the structural, technical and important security requirements (exercise). Furthermore, the student recognizes the social and technical background, as well as and trends of contemporary architecture related with public buildings (lectures).

**Contents:**

The course is a studio course with emphasis on the design exercise. The lectures deal with current features of architecture and specific issues related to the topic of the design exercise. The task of the exercise is to design a medium-size public building, including the principles of fire safety, acoustics, load bearing structures and technical installations. Guest lectures are an integral part of the course program.

**Mode of delivery:**

Lectures and face-to-face teaching

**Learning activities and teaching methods:**

The course comprises a design exercise and lectures. The exercise is tutored in common studio sessions and intermediate critiques. The completed works are presented in an open critique. Evaluation is based on the architectural quality and implementation of the objectives of the design project.

**Target group:**

1<sup>st</sup> year master students. The course is intended for students in the Architectural Design and Building Design orientations.

**Prerequisites and co-requisites:**

Contemporary architecture III or bachelor's degree.

**Recommended optional programme components:**

Teachings of structural technology and building techniques are implemented in the exercise. The exercise is linked with the courses of interior design and architectural lighting.

**Recommended or required reading:**

Summary of the lectures. List of readings will be handed out at the lectures.

**Assessment methods and criteria:**

Exercise (design project and possible exam). The form of the exam will be announced each year. The grading is based on evaluation of the achieved goals of the task, quality of the exercise and exam

**Grading:**

1 - 5, pass / fail

**Person responsible:**

Professor Rainer Mahlamäki

**Working life cooperation:**

The project work trains the student's design skills needed in the architect's profession.

**Other information:**

This studio course is intended for registered master level students of the Oulu School of Architecture, including the international students.

## 45522S: Design in Urban Context, 10 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Aulikki Herneoja

**Opintokohteen kielet:** English

**ECTS Credits:**

10

**Language of instruction:**

English

**Timing:**

Autumn term 1 & 2

**Learning outcomes:**

After completing the course the student is able to recognize an industrially designed product and to analyze its design related substance, and is able to make a commentary literary synopsis or short article. The student can carry out an exercise work of designing an object related with urban context, making use of the contents of the

course as well as history of industrial design and contemporary design. The student is able to apply the principles of sustainability in his / her design solutions and material selection.

**Contents:**

To give a general overview of history, theory and praxis of industrial design in the urban context and to develop the student's facility for research. The lectures deal with main issues of the history of industrial design and recent features of design, with emphasis on urban context. Research skills are on display, when the students make a commentary synopsis of a book on contemporary design / designer or a short article of topical theme concerning design in urban context. The viewpoints of sustainability are included in the lectures and discussions held during the course. The emphasis of the course is on the design exercise work, which is a design task object related to the Urban Space Detailing course.

**Mode of delivery:**

Contact teaching and independent study.

**Learning activities and teaching methods:**

16h lectures and/or contact teaching and maximum 80 h personal or/and group tutoring

**Target group:**

1st year master students

**Prerequisites and co-requisites:**

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**Recommended optional programme components:**

The course is part of the Design-Led Urban Renewal study module. The design project is connected with the Urban Space Detailing course.

**Recommended or required reading:**

Course literature will be announced separately during the course.

**Assessment methods and criteria:**

The student participates in lectures, makes a lecture diary, a commentary synopsis or short article and delivers a design exercise made by given instructions. The evaluation is based on the outcome of the design project (2/3) and the lecture diary, and the commentary synopsis altogether (1/3). No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Lecturer Aulikki Herneoja

**Working life cooperation:**

The Design in Urban Context course is design-oriented of its nature, but the course has also background and research oriented contents. The exercise assignment of the Design in Urban Context course, dealing with object design in urban environment, is simulating one of the tasks practicing architect faces in her/his career.

**Other information:**

This study unit is intended for registered master level students of the Oulu School of Architecture, including international students of the school.

## 900020Y: Finnish for Advanced Students, 4 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900020Y Finnish for Advanced Students (OPEN UNI) 4.0 op

**Proficiency level:**

B1, according to the Common European Framework

**Status:**

The course is intended for the international students in every faculty at the University of Oulu.

Also students of the Oulu University of Applied Sciences (OAMK) may participate to this cross-institutional study.

See courses, student quota and applying for OAMK students <https://www oulu fi/forstudents/crossinstitutionalstudy>

**Required proficiency level:**

A2.2 Completion of the Intermediate Finnish course 2 (900016Y) or the equivalent language skills.

**ECTS Credits:**

4 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

-

**Learning outcomes:**

By the end of the course the student can deal with most situations in Finnish. S/he can understand clear standard input on familiar matters regularly encountered in work, school and leisure and also the main points of messages and conversations in colloquial Finnish. The student is able to produce simple coherent and logical text on different topics. S/he can describe experiences and events, dreams, hopes and ambitions, and also explain and justify her/his opinions better than before.

**Contents:**

During the course students acquire the knowledge and skills for communicating also in more formal situations and learn to understand formal and official texts. In the course students develop their Finnish skills for everyday living, study and work purposes. In addition, they also study in more detail the differences between spoken and written language.

The topics and communicative situations covered in the course are: the social welfare and political system in Finland (e.g. family life, working life, culture, history, environmental matters) giving a presentation on a topic within one's own field or of personal interest.

The structures studied are: more about conditional (perfect tense of conditional), more about passive (past, perfect and pluperfect of passive), the imperative, the essive and translative cases, more about comparison of adjectives, more case government.

**Mode of delivery:**

Contact teaching and guided self study

**Learning activities and teaching methods:**

Contact teaching twice a week (46 h), self study (ca. 60 h).

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University. Students of the Oulu University of Applied Sciences (OAMK) may also participate to this cross-institutional study. The quota principle is as follows: at least two OAMK students in a course and if there are more places, they are filled according to the queuing principle.

See more information <https://www oulu.fi/forstudents/crossinstitutionalstudy>

**Prerequisites and co-requisites:**

Completion of the Intermediate Finnish course 2 or equivalent skills in Finnish

**Recommended optional programme components:**

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**Recommended or required reading:**

Gehring, S., Heinzmann, S., Päivärinne, S. & Udd, T.: Suomen mestari 3 (chapters 1–6) and material in the Moodle learning environment

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (once a week), self study tasks, other homework assignments and written exam at the end of the course will be observed in assessment.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading scale is 1-5.

**Person responsible:**

Anne Koskela

**Working life cooperation:**

-

**Other information:**

Sign-up in WebOodi or in Tuudo.

## 455517A: Interior Design, 5 - 10 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Aulikki Herneoja



**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay455517A Interior Design (OPEN UNI) 5.0 op

**ECTS Credits:**

5-10

**Language of instruction:**

English

**Timing:**

Spring term 1 & 2

**Learning outcomes:**

After completing the course the student can analyze space and make sketches for an interior, utilizing various sectors of interior design in a creative manner. The student can implement the basic concepts of interior design when presenting his / her design work. The student is able to apply the principles of sustainability in his / her design solutions and material selection. When extending the course to 10 ECTS credits, after completing the course the student can prepare working drawings and identify quality factors, displaying his / her command of the basics of designing of fixed furniture. The student is able to apply the principles of sustainability in his / her design solutions and material selection, e.g. taking into account sorting of waste and principles of life-cycle housing.

**Contents:**

The objective of the course is to provide students with basic skills of interior design and to guide the students to practical design work. When extending the course to 10 ECTS credits the aim of the lectures and the exercise work of the course is to deepen the students' knowledge in special issues within interior design, in particular designing fixed furniture. Lectures deal with basic concepts of interior design and the connection between architecture and interior design, including aspects of sustainable development. The focus is on materials, colours and lighting of the space, basics of design of fixed furniture and textiles. The exercise work is a sketch level design of an interior. When extending the course to 10 ECTS credits lectures deal with special issues within interior design and aspects of sustainability, with focus on fixed furniture design. The student is initiated to practices of fixture design and quality factors through analyzing two kitchens. The exercise work is a working drawing level fixture design. Visits to professionally designed interiors are included in the course.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

12h lectures and/or contact teaching and 36h personal or/and group tutoring. When extending the course to 10 ECTS credits additional lectures and/or contact teaching and personal and/or group tutoring altogether maximum 50 h is included.

**Target group:**

1st year master students

**Prerequisites and co-requisites:**

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**Recommended optional programme components:**

The course is part of Design of Public Buildings study module. Interior Design is suggested to proceed together with the course in Architectural Lighting.

**Recommended or required reading:**

Course literature will be announced separately during the course.

**Assessment methods and criteria:**

The student attends the lectures and completes a design exercise according to instructions. The evaluation is made based on the outcome of the exercise work. No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Lecturer Aulikki Herneojä

**Working life cooperation:**

Interior design in general and designing fixed furniture belong to the tasks of an architect practicing in the field of building design.

**Other information:**

This course is intended for registered master level students of the Oulu School of Architecture, including the international students of the school.

**900015Y: Intermediate Finnish Course 1, 5 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900015Y Intermediate Finnish Course 1 (OPEN UNI) 4.0 op

**Proficiency level:**

A2.1

**Status:**

The course is intended for the international students in every faculty at the University of Oulu.

**Required proficiency level:**

A1.3, Completion of the Beginners' Finnish course 2 (900053Y) or the equivalent language skills.

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Mainly Finnish

**Timing:**

-

**Learning outcomes:**

By the end of the course the student can communicate in ordinary everyday situations when the topics are familiar or connected with everyday matters. S/he can search for and locate key informational content in different kinds of texts. The student can also identify the topic and some details of the discussion around her/him. S/he can describe activities and personal experiences both orally and in writing and s/he also knows the difference between spoken/colloquial and written/standard language. The student knows how things can be expressed with different degrees of politeness and can apply that information in her/his own communication.

**Contents:**

The course is a lower intermediate course. During the course students strengthen their communication skills in ordinary everyday situations and acquire a wider vocabulary and more thorough knowledge of grammar. In addition, students practise understanding and producing Finnish talk and reading newspaper articles.

The topics and communicative situations covered in the course are: requesting different kinds of requests, expressing politeness, making appointments with friends, giving directions, doing the shopping, talking about the past and talking about his/her future plans, hobbies, transactions e.g. in the doctor's and post office.

The structures studied are: more about the imperative, the verb rections, the deverbal noun (-minen), passive present tense, part of the plural declension of nouns, the third infinitive (ma-infinitive), more about sentence types, perfect tense, more about object cases.

**Mode of delivery:**

Contact teaching and guided self-study.

**Learning activities and teaching methods:**

Lessons 2 times a week (52 h, including the tests) and guided self-study (83 h)

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University

**Prerequisites and co-requisites:**

Completion of the Beginners' Finnish Course 2

**Recommended optional programme components:**

-

**Recommended or required reading:**

Gehring, S. & Heinzmann, S.: **Suomen mestari 2**, (chapters 1 - 5)

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (twice a week), homework assignments and the tests will be taken into consideration in the assessment.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading scale is 1-5.

**Person responsible:**

Anne Koskela

**Working life cooperation:**

**Other information:**

Sign-up in WebOodi or Tuudo.

**900016Y: Intermediate Finnish Course 2, 5 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Proficiency level:**

A2.2

**Status:**

The course is intended for the international students in every faculty at the University of Oulu.

Also students of the Oulu University of Applied Sciences (OAMK) may also participate to this cross-institutional study. See courses, student quota and applying for OAMK students <https://www oulu fi/forstudents/crossinstitutionalstudy>.

**Required proficiency level:**

A2.1, Completion of the Intermediate Finnish course 1 (900015Y) or the equivalent language skills.

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

-

**Learning outcomes:**

By the end of the course the student can communicate in various informal situations in Finnish. The student understands the main points of messages and talk around her/him. S/he can produce simple connected text on topics which are familiar or of personal interest and describe experiences and also report heard content to others.

**Contents:**

The course is an upper intermediate course. During the course students learn the necessary written and oral skills to be able to cope in informal situations arising during everyday life, work and study. In the course, students practise understanding more Finnish talk and written texts, and finding information and talking about it to other people. In the classes the main stress is on oral exercises and group work.

The topics and communicative situations covered in the course are: transactions e.g. in clothes shops and on the phone, Finnish small talk, reacting in different situations, information and facts about Finnish celebrations and features of colloquial/spoken language.

The structures studied are: the perfect and pluperfect, revision of all the verb tenses, comparison of adjectives, conditional, more about the plural declension of nouns (particularly the plural partitive case), more about object and predicative cases, the passive imperfect.

**Mode of delivery:**

Contact teaching and guided self-study

**Learning activities and teaching methods:**

Lessons (52 h, including the tests) and guided self-study (83 h).

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University.

Students of the Oulu University of Applied Sciences (OAMK) students and OAMK's international and exchange students may also participate to this cross-institutional study. The quota principle is as follows: at least two OAMK students in a course and if there are more places, they are filled according to the queuing principle.

See more information <https://www oulu fi/forstudents/crossinstitutionalstudy>.

**Prerequisites and co-requisites:**

Completion of the Intermediate Finnish Course 1 or equivalent skills

**Recommended optional programme components:**

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**Recommended or required reading:**

Gehring, S. & Heinzmann, S.: **Suomen mestari 2 (chapters 6 - 8)**.

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (twice a week), homework assignments and the tests will be taken into consideration in the assessment.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading scale is 1-5.

**Person responsible:**

Anne Koskela

**Working life cooperation:**

-

**Other information:**

Sign-up in WebOodi or Tuudo.

## 453533A: Large scale structures, 5 op

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Pihlajaniemi

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish / English

**Timing:**

Spring term

**Learning outcomes:**

Upon completion of the course the student identifies the qualities of concrete, steel and wood as structural material and is able to use these materials to design the frame of a public building.

**Contents:**

Lectures comprise the qualities of concrete, steel and wood including their strength properties, products and structural detailing with them. The design studio comprises structural design project of a large scale building.

**Mode of delivery:**

The course is based mainly on independent studies.

**Learning activities and teaching methods:**

Lectures and demonstrations 24 h, independent working 111 h.

**Target group:**

1st year master students.

**Prerequisites and co-requisites:**

Bachelor level courses in structures and building sciences.

**Recommended optional programme components:**

Design work is linked to the Contemporary architecture IV-assignment.

**Recommended or required reading:**

Study compendiums. Other course literature will be announced separately.

**Assessment methods and criteria:**

Lectures and design project. The course is based mainly on independent studies. In the project assignment students work together with the students of construction engineering. The evaluation is based on the design project.

**Grading:**

1-5

**Person responsible:**

professor Janne Pihlajaniemi, NN

**Working life cooperation:**

-

**Other information:**

This studio course is intended for registered master level students of the Oulu School of Architecture

## 450552S: Research in Architecture, 5 - 10 op

**Voimassaolo:** 01.09.2020 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Aulikki Herneoja

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5-10 ECTS

**Language of instruction:**

English

**Timing:**

Autumn terms 1-2

**Learning outcomes:**

During the course student becomes familiar with the basic concepts of architectural research and is able to apply the methods of architectural research in his / her academic study to produce new knowledge. The academic study assignment is entirely written or student may also apply research by design approach in his / her assignment. After completing the course, student will be able to write academic study by outlining the research problem of his / her research topic, identifying the appropriate research strategy(s) and using applicable data collection and analysis methods.

**Contents:**

The joint course of the Oulu School of Architecture introduces the basics of architectural research and provides the student with essential information on the topical themes of architectural theory and research. During the course student will deepen his / her epistemological understanding and strengthen the research basis of his / her architecture studies. During the course the student learns the interaction between research, theory and practice, as well as methodology based on his / her own research topic and interest. In accordance with a jointly agreed program, the student prepares a written or design research paper on his / her field of study.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

Personal or / and group tutoring maximum 20-60 hours.

**Target group:**

2nd year master students

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

The course belongs to the Advanced Module. The course is suggested to proceed together with 450551S Advanced Course in Architecture.

**Recommended or required reading:**

Course literature will be selected according to the chosen issue of design.

**Assessment methods and criteria:**

The student completes a exercise according to given instructions. The evaluation is made based on outcome of the exercise work. No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Lecturer Aulikki Herneoja, together with teachers represented from each subject field of Oulu School of Architecture

**Working life cooperation:**

Concentrating on design contents of architecture in written and / or in visual form belong to demanding architectural design tasks in work life context.

**Other information:**

This course is intended for registered master level students of the Oulu School of Architecture, including the international students of the school.

## 900023Y: Structures of the Finnish Language, 4 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Proficiency level:**

B2, according to the Common European Framework

**Status:**

The course is intended for the international students in every faculty of University of Oulu.

**Required proficiency level:**

Completion of the Finnish for advanced students or the equivalent language skills.

**ECTS Credits:**

4 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

-

**Learning outcomes:**

By the end of the course the student has a general overview of the structures of the Finnish language. S/he has gained a deeper understanding of the special nature and features of the Finnish language and can apply structures in her/his own communication.

**Contents:**

During the course, students will extend their knowledge of Finnish grammar and improve their skills by practising a variety of structures until they become second nature. The course consists of sections on phonology, morphology and syntax. Each of these sections includes a theoretical component and exercises. The course consists of sections on phonology, morphology and syntax. Each of these sections includes a theoretical component and exercises.

**Mode of delivery:**

The course will be held online using an Optima environment.

**Learning activities and teaching methods:**

One contact lesson and after that guided independent studying using online.

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University

**Prerequisites and co-requisites:**

Completion of the Finnish for advanced students or the equivalent language skills.

**Recommended optional programme components:**

-

**Recommended or required reading:**

Web based material

**Assessment methods and criteria:**

To pass the course, the students must complete all the required assignments.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading is on a pass/fail basis.

**Person responsible:**

Anne Koskela

**Working life cooperation:**

-

**Other information:**

Sign-up in WebOodi.

## 900017Y: Survival Finnish, 2 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Languages and Communication

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900017Y Survival Finnish Course (OPEN UNI) 2.0 op

**Proficiency level:**

A1.1

**Status:**

The course is intended for the international students in every faculty at the University of Oulu.

**Required proficiency level:**

No previous Finnish studies.

**ECTS Credits:**

2 ECTS cr

**Language of instruction:**

Finnish and English.

**Timing:**

-

**Learning outcomes:**

By the end of the course the student can understand and use some very common everyday expressions and phrases, and s/he can locate informational content in simple texts and messages. The student also knows the basic characteristics of Finnish language and Finnish communication styles.

**Contents:**

This is an introductory course which aims to help students to cope with the most common everyday situations in Finnish. During the course, students learn some useful everyday phrases, some general features of the vocabulary and grammar, and the main principles of pronunciation.

The topics and communicative situations covered in the course are: general information about the Finnish language, some politeness phrases (how to greet people, thank and apologize), introducing oneself, giving and asking for basic personal information, numbers, some time expressions (how to tell and ask the time, days of the week, time of day), food, drink and asking about prices.

The structures studied are: personal pronouns and their possessive forms, forming affirmative, negative and interrogative sentences, the conjugation of some verbs, the basics of the partitive singular and some local cases for answering the 'where'-question.

**Mode of delivery:**

Contact teaching, on-line learning and independent work. There will be organized also one on-line group in each semester.

**Learning activities and teaching methods:**

Lessons 2 times a week (26 h, including the final exam) and guided self study (24 h).

**Target group:**

International degree and post-graduate degree students, exchange students and the staff members of the University.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Will be provided during the course.

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (twice a week), homework assignments and written exam at the end of the course will be observed in assessment.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Grading scale is on a pass/fail basis.

**Person responsible:**

Arja Haapakoski

**Working life cooperation:**

-

**Other information:**

Sign-up in WebOodi or in Tuudo.

## 454522S: Urban Space Design, 10 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** English

**ECTS Credits:**

10 ECTS

**Language of instruction:**

English

**Timing:**

Autumn term 1-2

**Learning outcomes:**

After completing the study unit the student is able to recognize features of contemporary and future interests within the design of public urban space, and to identify interaction between the built environment, society, business and innovations, culture, technology, and nature. The student is able to demonstrate various programmes, plans, and aims for development of the functional and physical environment. The student is able to carry out a thematic analysis, set design goals, and to produce multifunctional development plans for urban spaces and areas.

**Contents:**

The lectures deal with the design of public urban spaces, and procedures of integrative urban design, planning and development. Operational models and practices for enhancing competitiveness and vitality of urban areas are introduced. The exercise work focuses on thematic urban design and development of the functional and physical environment in the urban context.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

16 h lectures + 80 h contact teaching in design studio (including workshop) + 174 h independent studying.

**Target group:**

1<sup>st</sup> year master level students.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

The study unit is part of the module "Design-Led Urban Renewal". The design project is connected with Urban Space Detailing (455521S).

**Recommended or required reading:**

Literature will be announced separately.

**Assessment methods and criteria:**

Exercise (design project). Grading is based on the exercise. Exercise (design project). Grading is based on the exercise.

**Grading:**

1-5

**Person responsible:**

Professor Tarja Outila, Postdoctoral Researcher Sari Hirvonen-Kantola

**Working life cooperation:**

As the planning project may be commissioned by a city or another party, the student will work on future development prospects in the area. Then, the collaboration simulates the procedures of public-private-partnerships in urban development.

**Other information:**

This studio course is intended for registered master level students of the Oulu School of Architecture, including the international students.

## 455521S: Urban Space Detailing, 10 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course



**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Aulikki Herneoja

**Opintokohteen kielet:** English

**ECTS Credits:**

10

**Language of instruction:**

English

**Timing:**

Autumn term 1 & 2

**Learning outcomes:**

After completing the course the student can make a detailed plan for an urban space, taking into account various sectors and approaches of urban space detailing, including material alternatives and different lighting options. In the project work the student can apply the use of large variations of scale to an instrument of urban space detailing. Student is able to take into account sustainable development aspects when choosing materials and making the lighting design solutions, for example, by designing control methods for lighting.

**Contents:**

The aim of the course is to go deeply into issues of detailing of urban space with focus on over-all concept. The purpose is to initiate the students to utilize outdoor furniture, accessories and lighting in outdoor design and to acquaint the students with materials and requirements of designing green areas. Lectures introduce students to the requirements of detailing outdoor areas according to the course objectives. The students make a detailed design for the site studied as an exercise work within the Urban Space Design course. It is possible to take the urban lighting related part of the course also separately as a 5 credit units course under the title Varying Courses in Contemporary Architecture (Urban Lighting). The urban lighting part of the course includes excursions to realized urban lighting projects and environments and a workshop, where students design and carry out lighting tests and/or create lighting installations. The urban lighting part includes lectures about basic principles of lighting design, urban lighting and façade lighting.

**Mode of delivery:**

Contact teaching and independent studying.

**Learning activities and teaching methods:**

16h lectures + maximum 80 h contact teaching

**Target group:**

1st year master students

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

The course is part of the Design-Led Urban Renewal study module. The design project included is connected with the Urban Space Design -course.

**Recommended or required reading:**

Course literature will be announced separately during the course.

**Assessment methods and criteria:**

The student attends the lectures and completes a design exercise according to given instructions. The evaluation is made based on the outcome of the exercise work. No exam is included in the course.

**Grading:**

1-5

**Person responsible:**

University Lecturer Aulikki Herneoja. Person responsible for Urban Lighting part is Post-Doctoral Researcher Henrika Pihlajaniemi

**Working life cooperation:**

Urban space detailing is a sector of urban space design practices. The contents of Urban Space Detailing course belong to the work scope of a practicing architect focusing on designing urban environments.

**Other information:**

This course unit is intended for registered master level students of the Oulu School of Architecture, including the international students of the school.

## 452550S: Varying Courses of Contemporary Architecture, 2 - 10 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Anssi Lassila

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

2-10

**Language of instruction:**

Finnish/English

**Timing:**

not specified

**Learning outcomes:**

The objective of the course is to initiate the student into contemporary tendencies in architecture, to new ways and methods of building and new building types, both in domestic and international architecture. During the course one can learn how to make a proposal for an architectural competition, or attend a workshop. The workshops train students in combining the phases of designing and building, and constructing in particular. Learning outcomes: After completing the course the student is able to deal with the specific topic of his / her work either through writing or designing. The student has adequate skills for making a proposal for an architectural competition. After completing a workshop the student distinguishes the connection between design and construction and can at least assist in construction work.

**Contents:**

The course comprises short lectures and case studies dealing with the respective topic. The project is a design exercise for a public building selected by the student. The exercise may also be participation in an open architectural competition or an architectural workshop.

**Mode of delivery:**

Face-to-face teaching, workshops.

**Learning activities and teaching methods:**

The completed works are presented in an open critique. Evaluation is based on the processing of the exercise.

**Target group:**

master level students

**Prerequisites and co-requisites:**

bachelor's degree

**Recommended optional programme components:**

-

**Recommended or required reading:**

List of articles on contemporary architecture and projects (will be announced at the beginning of the course).

**Assessment methods and criteria:**

The course is completed by participating the lectures and performing the design task.

**Grading:**

1 - 5, fail or pass / fail

**Person responsible:**

Professor Rainer Mahlamäki

**Working life cooperation:**

The project work trains the student's design skills needed in the architect's profession.

**Other information:**

This studio course is intended for registered master level students of the Oulu School of Architecture.

## 454540A: Varying Courses of Urban Design, 2 - 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Oulu School of Architecture

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

2-10 ECTS

**Language of instruction:**

Finnish or English

**Timing:**

Autumn term 1-2 / Spring term 1-2

**Learning outcomes:**

After completing the study unit the student can identify current features in planning and urban design as well as describe their impacts to functional and spatial planning of human settlements. The student can implement learning outcomes in different planning and urban design tasks.

**Contents:**

Current features of planning, urban design, and urban development, such as urban design in a northern context.

**Mode of delivery:**

Mostly independent studying + contact teaching.

**Learning activities and teaching methods:**

8-64 h contact teaching in design studio + 46-206 h independent studying.

**Target group:**

Bachelor level students.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Moodle-learning platform. Study material is announced separately

**Assessment methods and criteria:**

Exercise (design project). Basic options are participation in a competition (student competition, open competition), summer school or thematic design studio. The assessment is based on the design project. Grading is based on the exercise.

**Grading:**

1-5

**Person responsible:**

Professor Tarja Outila, Postdoctoral Researcher Leena Soudunsaari.

**Working life cooperation:**

The course trains skills needed in the architect's profession within urban design and planning.

**Other information:**

This study unit is intended for registered master level students of the Oulu School of Architecture, including the international students. The student can include the study unit into her / his optional studies.