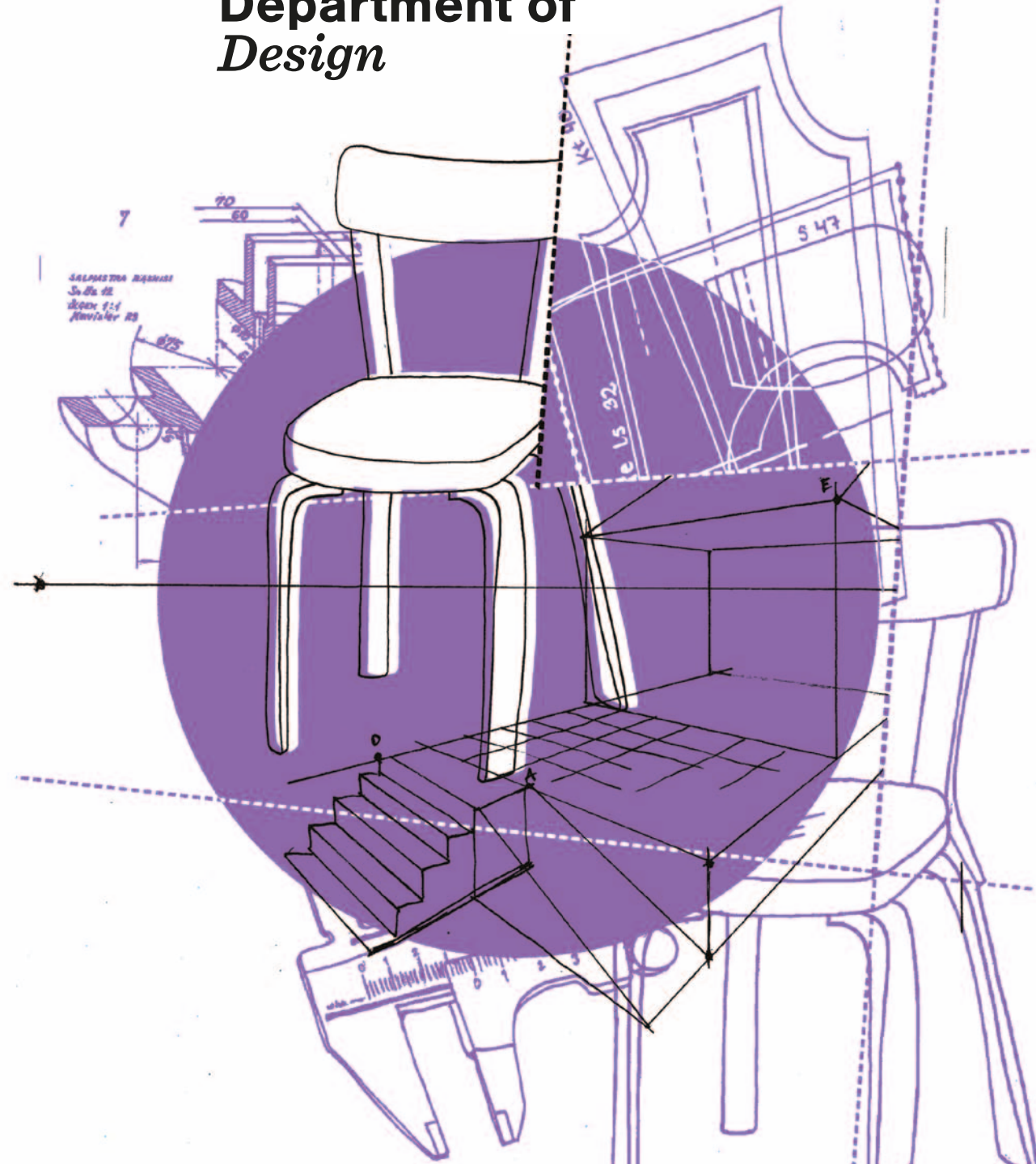


# Department of *Design*



## Department of Design

**Head of Department:** Pirjo Hirvonen

### Degree programmes of the Department of Design

Bachelor's Degree Programmes

- *Degree Programme in Ceramic and Glass Design*
- *Degree Programme in Interior Architecture and Furniture Design*
- *Degree Programme in Textile Art*
- *Degree Programme in Industrial and Strategic Design*
- *Degree Programme in Fashion and Clothing Design*

Master's Degree Programmes

- *Master's Degree Programme in Furniture Design*
- *Master's Degree Programme in Applied Art and Design*
- *Degree Programme in Textile Art and Design*
- *Degree Programme in Industrial and Strategic Design*
- *Master's Degree Programme in Spatial Design*
- *Degree Programme in Fashion and Clothing Design*

Aalto University's joint MA degree programmes

- *Master's Degree Programme in Creative Sustainability (CS)*
- *Master's Degree Programme in International Design Business Management (IDBM)*

Minor studies in the Department of Design

- *CS - Creative Sustainability (MA)*

- *IDBM – International Design Business Management (MA)*
- *Basics of Ceramic and Glass Design (BA)*
- *Usability School (MA)*
- *Design and Culture (MA)*
- *The Wood Studio (MA)*
- *Textile Art (BA)*
- *Fashion and Clothing Design (BA)*

### Studies

#### Aims of the studies

The teaching, research and artistic activities of the Department of Design cover the diverse field of design extensively. The values of the Department include humanism, sustainable development, quality of the residential and living environment as well as effectiveness that targets social and business life. We work in an expert and unprejudiced manner, tap our national culture and aim for internationality. The Department of Design offers the personnel, students and partners an environment where teaching, artistic activities and research support each other.

The core tasks of the Department are teaching, research and artistic activity related to design. The Department conducts research in cooperation with other departments of Aalto University, other universities and third-level institutions as well as companies representing various industries, both nationally and internationally. Studies in the various degree programmes of the Department give the students a capacity to work as a designer for the industries, trade, cultural institutions or media, in expert tasks of design

management or as an independent entrepreneur or a researcher in the field.

### Studies and study guidance

Studies at the Department of Design are mainly structured around guided assignments and multiform teaching. The courses typically end with a joint critical discussion.

In MA degree programmes, the teaching is arranged around 12-ECTS modules, the timing of which follows the schedules of the academic year (two periods will be arranged during the spring term 2014). MA students also have the possibility of including MA level modules of other degree programmes in their personal study plans (PSP). The students should check the curriculum of each degree programme for the procedures for registering in modules.

Research-centred courses and participation of researchers in teaching and tutoring guide students towards research and possible further studies.

### Student feedback

Course feedback is an important part of developing the teaching offered by the degree programmes. At the end of each course, course feedback is collected from the students. Oral and written feedback can also be given throughout the academic year to persons responsible for the degree programmes, study coordinators and amanuenses, teachers and department heads.

Typically, a feedback and review discussions are held in connection with the courses, in which the student can receive personal feedback, ask questions about his/her work and receive peer feedback from fellow students.

## Bachelor of Arts Degrees

### Future scenarios of the BA programmes at the Department of Design

The most important aim of the BA programmes at the Department of Design is learning about the personal design process. Reducing our carbon footprint and a radical change in our lifestyles is a great social challenge. Through his/her work, a designer of the future will take part in making this change happen. Increasingly, the work of a designer is international and immaterial; it consists of designing ideas, processes or services. The role of digital processes and the media are highlighted in the work of a designer. A wider perspective to design than the traditional approach focusing on a material or a production technique must be offered from the BA stage on. This will enable us to respond to future needs of change better.

### Joint practices of the BA programmes at the Department of Design

#### Minor and optional studies

Optional studies make it possible for the students to follow individual study paths and to develop their personal areas of strength. Optional studies may include a minor subject, an international student exchange, a traineeship or other optional studies. Decisions on optional studies are made within the degree programme in connection with study guidance (personal study plans).

### Projects

Project assignments help the student to en-

hance his/her abilities in design and artistic processes guided by his/her own interests. Projects are completed either alone or in a group, mainly as independent work or in cooperation with a business, however under the guidance of a teacher.

### **BA diploma work 10 ECTS**

In the diploma work, the student proves his/her skills in independently completing a production and analysing his/her own work both orally and in writing. The diploma work comprises the completion of a project from planning to implementation, documenting the work in writing and images and its oral presentation. The Diploma Work Seminar (approx. 2 ECTS) is included in the scope of the diploma project.

## ***Degree Programme in Ceramic and Glass Design (BA)***

**Head of Degree Programme:**  
**Heikki Määttänen**

### **Objectives**

The objective of the degree programme is to educate designers and artists in the field of ceramics and glass. The studies can be continued in the Master's Degree Programme in Applied Art and Design. The degree programme aims to improve the competitiveness of the ceramics and glass sector and to produce new information for the field through research. MA studies lay a foundation for further education, which provides the highest level of teaching and research in Finland.

The changing job descriptions of the field are taken into account in the planning of the degree programme. Evolution of design methods, material technology innovations, changes in production processes and the necessity of internationalisation

are reflected in the programme.

The degree programme in particular aims to promote applied knowledge of materials that supports product design and artistic practice. Drawing on material aesthetics and ecology and striving to apply them in the industrial sector, studio production and artistic activities in this field are essential aims of the degree.

### **Modules**

#### **Competence Areas**

Ceramic and glass design studies impart the students a capacity to work in various tasks of industrial design, high standard crafts and short-run production as well as art and research.

BA studies are in particular structured around material environments, product design, ceramic and glass art and material studies. BA level teaching interacts with research in the field. Such areas as table top design, short-run production and crafts as well as ceramics and glass as part of spatial design and architecture play a key role in BA studies. These areas are supported by studies in production and material technologies.

Studies of artistic expression highlight understanding the social and cultural context of art and design. In their projects, the students examine questions related to the philosophy of design and art and learn to work independently. They complete an extensive project alone or in groups.

The students can complement their degree with minor and optional studies. They are particularly encouraged to select courses from the offer of the other degree programmes at the Department of Design.

#### ***Basic Studies 61 ECTS***

Basic studies support the students in design practices and artistic competence, and reinforce their theoretical understanding

## **Structure of the Degree Programme in Ceramic and Glass Design (BA) 180 ECTS**

Module	Scope	Courses
Language and communication studies module	15 ECTS	Foreign language, 6 ECTS Native language, 3 ECTS Second national language, 3 ECTS Basics of information and communication technology, 2 ECTS Information literacy, 1 ECTS
Arts and theory module	25 ECTS	Form and space I, 4 ECTS Colour and Perception I, 4 ECTS Introduction to Drawing and painting I, 4 ECTS Shared Environment, 3 ECTS Optional art and theory studies from the YoYo course selection 10 ECTS, ( <i>Drawing and painting courses and the Art Since 1945 course are recommended</i> )
Design practices	10 ECTS	Introduction to the Basics of Design, 3 ECTS Basics of Design Workshop, 2 ECTS Professional and Legal Practices, 2 ECTS History of Modern Art and Design, 3 ECTS Cultural Environment, 2 ECTS ( <i>optional</i> )
Basic studies in ceramic and glass design	11 ECTS	CULTURAL KNOWLEDGE AND RESEARCH 11 ECTS Art History I, 4 ECTS Art History II, 4 ECTS History of Ceramics and Glass, 3 ECTS
Subject studies in ceramic and glass design	95 ECTS	DESIGN AND ARTISTIC EXPRESSION 30 ECTS Introduction to Ceramic and glass design and Art, 4 ECTS Introduction to Ceramics Design, 6 ECTS Introduction to Glass Design, 6 ECTS Product Design, 7 ECTS Art Expression and Process, 7 ECTS Workshop, 3 ECTS ( <i>optional</i> ) Sculpture Workshop, 6 ECTS ( <i>optional</i> )  EMPIRICAL MATERIAL STUDIES 13 ECTS Ceramic Materials I, 3 ECTS Glass Materials I, 3 ECTS Ceramic Materials II or Glass Materials II, 4 ECTS Material Studies in Ceramics or Material Studies in Glass II, 3 ECTS  PRODUCTION TECHNOLOGY 16 ECTS Mould Techniques I, 4 ECTS Mould Techniques for Ceramics II, 2 ECTS Production Techniques for Ceramics, 2 ECTS Surface Techniques for Ceramics, 2 ECTS Glass Design and Production, 6 ECTS  PRESENTATION TECHNIQUES AND COMMUNICATION 17 ECTS Photographic Techniques, 2 ECTS Sketching Techniques, 3 ECTS Information Technology, 3D 3 ECTS Portfolio, 3 ECTS Marketing Communications, 3 ECTS Graphic Design, 3 ECTS  PROJECTS 9 ECTS BACHELOR'S DIPLOMA WORK 10 ECTS
Optional and/or minor subject studies	24 ECTS	

of art and design. Language studies are an obligatory part of a BA degree and thus give the students a basic capacity for linguistic expression. In the joint studies of the department, the students are introduced to the basics of design and get to know the operating environment of the department. These studies are completed together with other students aiming for a BA degree.

#### *Subject Studies 95 ECTS*

##### **Design and Artistic Expression 30 ECTS**

The aim of this module is to build an identity as a designer/artist in the context of a changing information society and the increasingly fragmented modern culture. Creative competence and professional skills are supported by reflecting on one's own actions. The students are encouraged to observe interaction between the virtual and the material world and to reflect on the significance of skill. The students seek the basics of a high-quality material environment and human well-being through making things with their own hands.

The teaching introduces the students to the tools, working methods and techniques of design, crafts and artistic expression. The students investigate the possibilities of experimental artistic expression and technological innovations in design. The significance of personality and story-telling are introduced in short-run production. In this module, the students learn to control and document art, design and product development processes, organise exhibitions and take part in competitions.

##### **Empirical Material Studies 13 ECTS**

An essential aim is to understand material concepts and the chemical properties of materials. The students apply the possibilities of expression given by ceramic and glass materials using the methods of design. In terms of professional competence,

it is important to learn to develop working material alternatives for the needs of mass production, short-run production and artistic expression alike. The significance of the students' own choices are examined as the basis of sustainable development and energy-efficient recycling.

The teaching emphasises empirical study of the aesthetic, ecological and economic properties of materials. Assignments include linking the acquired knowledge of materials to creative activities and personal ideas and expression. The students are encouraged in versatile material choices to maintain the nuances and vitality of ceramic and glass design. In a global material environment, it is also important to be familiar with the production of raw materials, transport, recycling and occupational safety.

##### **Production Technology 16 ECTS**

This module focuses on the production technologies of ceramics and glass. The aim is to get to know the tools, production techniques and kilns and to master kilning techniques. The studies also include the design and production of models and moulds needed in the industry, short-run production and applied art. The module also covers the latest technological innovations, various production strategies and process control. Examining the life span of the product and production leads the students towards the themes of sustainable development.

##### **Presentation Techniques and Communication 17 ECTS**

Mastering the means and tools of presentation techniques plays a key role both in analysing skills and designing product images, packaging and objects. In this module, the students are introduced to sketching, photography and ICT. In addition, they will look at the aims of graphic design, product

profiling and marketing. The students also receive individual tutoring in preparing their professional portfolios.

#### *Minor or Optional Studies 24 ECTS*

Through minor or optional studies, the students can expand the contents of their degrees. Such as minor subject modules from the Degree Programmes in Industrial and Strategic Design, Spatial and Furniture Design, Textile Art, or Fashion and Clothing Design, or at the Department of Art, would be an appropriate addition to a degree in Ceramic and Glass Design, depending on the student's personal professional orientation.

**Optional and alternative subject studies**  
**Ceramic Materials II** is alternative to **Glass Materials II**. **Material Studies in Ceramics** is alternative to **Material Studies in Glass**.

**08132 Workshop 3 ECTS**

**08145 Sculpture Workshop 6 ECTS**

**08135 Ceramic Materials II 4 ECTS**

**08136 Glass Materials II 4 ECTS**

**08137 Material Studies in Ceramics 3 ECTS**

**08138 Material Studies in Glass 3 ECTS**

**08113 Art Project 9 ECTS**

**08114 Design Project 9 ECTS**

**08029 Traineeship 6 ECTS**

## **Degree Programmes in Spatial and Furniture Design**

### *Degree Programme in Interior Architecture and Furniture Design (BA)*

**Head of Degree Programme:**  
**Heikki Määttänen**

The Degree Programmes in Spatial and Furniture Design form an entity consisting of a BA level programme in Interior Architecture and Furniture Design and MA level programmes in Spatial Design and Furniture Design, which are complemented by the minor subject modules of the Wood Studio.

Spatial design as a major subject, which focuses on architecture, and furniture design as a major subject both work within the frame of reference of applied art and design. The degree programmes look at the human living environment as an entity that is culturally and artistically diverse. The scope of the studies covers interior and exterior spaces and the way in which they are linked to their functional and historical context, or architecture, with emphasis on a smaller scale and details as well as the immediate environment of the human. The competence area includes the scale, starting from furniture and extending to small-scale building design. The teaching and research areas of the degree programmes are the built and immediate environment, architecture and furniture of interior and exterior spaces, atmosphere and functionality, detailed design in private and public spaces as well as knowledge of architecture, design, materials and structures.

### **Future vision of the Degree Programmes in Spatial and Furniture Design**

When specifying future skills needs, focusing the education to face the major challenges of sustainable development and ecological changes plays a key role. The challenge of the education lies in an ability to see the impacts of these changes on the immediate environment and every-



## Structure of the Degree Programme in Interior Architecture and Furniture Design (BA) 180 ECTS

Module	Scope	Courses
Language and communication studies module	15 ECTS	Foreign language, 6 ECTS Native language, 3 ECTS Second national language, 3 ECTS Basics of information and communication technology, 2 ECTS Information literacy, 1 ECTS
Arts and theory module	25 ECTS	Introduction to Drawing and painting I, 4 ECTS Form and space I, 4 ECTS Colour and Perception I, 4 ECTS Shared Environment 3 ECTS Optional arts and theory studies from the YoYo course selection, 10 ECTS ( <i>Colour and Perception 2 and Form and space 2 are recommended</i> )
Design practices	10 ECTS	Introduction to the Basics of Design 3 ECTS Basics of Design Workshop 2 ECTS Professional and Legal Practices 2 ECTS History of Modern Applied Art and Design 3 ECTS
Basic studies in interior architecture and furniture design	17 ECTS	DEGREE PROGRAMME ART AND THEORY STUDIES 17 ECTS Post-war Art 4 ECTS History of Architecture and Art 4 ECTS History of Interior Design 5 ECTS History of Art II, 4 ECTS
Subject studies in interior architecture and furniture design	93 ECTS	DEGREE PROGRAMME SUBJECT STUDIES <u>Spatial Expression Skills and Understanding the Building Design Process 49 ECTS</u> Spatial Design I A 5 ECTS Spatial Design I B 4 ECTS Spatial Design II A 6 ECTS Spatial Design II B 6 ECTS Spatial Design III A 6 ECTS Construction Studies and Technology I, 4 ECTS Construction Studies and Technology II, 4 ECTS Construction Technical Arrangements 4 ECTS CAD A 4 ECTS CAD C 6 ECTS <u>Understanding the aspects and design process of furniture design 34 ECTS</u> Furniture Design I A 6 ECTS Furniture Design I B 4 ECTS Furniture Design II A 6 ECTS Furniture Design II B 6 ECTS Furniture Design III A 6 ECTS CAD B 4 ECTS Ergonomics 2 ECTS BA DEGREE DIPLOMA WORK 10 ECTS ( <i>includes a Diploma Work Seminar, approx. 2 ECTS</i> )
Optional and/or minor subject studies	20 ECTS	Spatial Design II B 6 ECTS Construction Studies Seminar 4 ECTS Furniture Design III B 6 ECTS Exhibition planning 4 ECTS Traineeship 5–10 ECTS Competitions 6 ECTS Minor subject OPTIONAL STUDIES OF SPATIAL AND FURNITURE DESIGN

day activities of humans. The degree programmes take into account the changing of our existing environment, complementary building and infill development, and evaluating and preserving cultural environments. Knowledge of materials and structures in line with sustainable development and increased use of wood in building will be areas of growing importance in our teaching in the future.

The education provided by the Degree Programmes in Spatial and Furniture Design emphasises traditional professional skills related to the human immediate environment, such as design of furniture and spaces, and coaches the students for meeting the new demands in the profession of a designer brought about by a changing society.

### Objectives

The aim of the BA programme in Interior Architecture and Furniture Design is to impart basic professional knowledge and skills needed for further studies in the MA programme and for participating in working life. In this education, spaces and furniture form an architectural whole, together influencing their immediate environment. This interaction is an important part of the Scandinavian tradition of architecture and design.

The aims of the programme also include mastering the design process, understanding the basic principles of construction technology and material knowledge.

### Modules

#### Language and communication studies module

See page 39.

#### Arts and theory module

See page 32.

#### Joint studies of the Department of Design

This module contains joint courses for all BA students of the Department of Design.

#### Basic and subject studies of the degree programme

The BA degree in Interior Architecture and Furniture Design contains 17 ECTS of basic studies and 83 ECTS of subject studies.

The subject studies consist of modules made up with spatial and furniture design courses and studies that complement these. (see table on page 162.)

#### Spatial Design

The aim of the module is to teach the students to process and create meaningful and functional architectural spaces and environments. A key objective is to develop the students' analytical thinking when defining the character of a space and assessing its impact. An additional aim is to introduce the students to the basic principles, operating environment and operating practices of building design.

#### Furniture Design

A key aim is to develop the students' creative thinking and expressive power as well as their functional and structural 3D perception. The objective of the module is to impart knowledge and skills in the design of an industrial, serially produced piece of furniture that is sustainable in all aspects and based on a strong vision.

The credits reserved for a minor subject in this degree can be used for optional and credit transfer studies and a traineeship.

## Degree Programme in Textile Art and Design (BA)

Head of Degree Programme:  
Pirjo Kääriäinen

### Future scenarios of the Degree Programme in Textile Art and Design

Graduates of the Degree Programme in Textile Art and Design are specialists in textiles: designers, entrepreneurs or researchers. Globally, the textile and clothing industry is the fourth biggest sector. Textiles are a significant part of the human living environment as clothing, materials or works of art in spaces or in various technical applications. New materials, advancement of technology and the increasing role of sustainable development will necessitate many types of cooperation between various fields in the future. Those gradua-

ting from the Degree Programme in Textile Art and Design must master not only the artistic and technical design process but also the design of concepts and collections and generating ideas for and producing associated services. Good visualisation and communication skills are vital.

#### Objectives

Those graduating from the Degree Programme in Textile Art and Design have basic knowledge and skills enabling them to work in various tasks of the field and to continue their studies in the MA programme. The students familiarise them-

### Structure of the Degree Programme in Textile Art (BA) 180 ECTS

Module	Scope	Courses
Language and communication studies module	15 ECTS	Foreign language, 6 ECTS Native language, 3 ECTS Second national language, 3 ECTS Basics of information and communication technology, 2 ECTS Information literacy, 1 ECTS
Arts and theory module	25 ECTS	Introduction to Drawing and painting I, 4 ECTS Form and space I, 4 ECTS Colour and Perception I, 4 ECTS Shared Environment 3 ECTS Optional arts and theory studies from the YoYo course selection 10 ECTS
Design practices	10 ECTS	Introduction to Basics of Design 3 ECTS Basics of Design Workshop 2 ECTS Professional and Legal Practices 2 ECTS History of Modern Art and Design 3 ECTS
Basic studies in textile art	18 ECTS	History of Textiles 2 ECTS Art History II 4 ECTS Post-war Art 4 ECTS Finnish Textile Art 2 ECTS Introduction to Design Research 2 ECTS Research and Reporting in Design 2 ECTS Design Thinking 2 ECTS
Subject studies in textile art	84 ECTS	Surface Design 4 ECTS Weaving I 4 ECTS Knitwear Design I 4 ECTS Printed Fabrics and Dyeing 4 ECTS Textile and the Human Being 12 ECTS Textile technology and Knowledge of Materials I 2 ECTS Textile Technology and Knowledge of Materials II 2 ECTS Textile and the Space 8 ECTS Presentation Technique 4 ECTS Artistic Expression I 1 ECTS Artistic Expression II 4 ECTS Artistic Expression III 6 ECTS Design Project 10 ECTS Conceptualisation 6 ECTS Marketing 3 ECTS  BACHELOR'S DEGREE DIPLOMA WORK, 10 ECTS
Optional and/or minor subject studies	28 ECTS	Minor subject Printed Fabric Workshop 3–9 ECTS Jacquard Workshop 3–9 ECTS Knitwear Workshop 3–9 ECTS Traineeship 3–9 ECTS Projects/competitions 3–9 ECTS Other optional studies

selves with the design of interior textiles and clothing materials as well as the operating principles of the textile industry and commerce. The studies include surface, colour and material design, basics of collection design and conceptualisation, introduction to production methods and presentation technique and marketing of one's own work. Sustainable development is a cross-cutting theme in all teaching.

After completing a BA degree, the students can continue in the MA programme and enhance their skills in the area of textile design.

### Modules

#### Basic studies

The students familiarise themselves with the professional field of textile design and art and understand it as part of the wider context of design.

#### Subject studies

The students acquire professional skills and a capacity for working in the profession and enhance their artistic expression.

### Structure of the Degree Programme in Fashion and Clothing Design (BA) 180 ECTS

Module	Scope	Courses
Language and communication studies module	15 ECTS	Foreign language, 6 ECTS Native language, 3 ECTS Second national language, 3 ECTS Basics of information and communication technology, 2 ECTS Information literacy, 1 ECTS
Arts and theory module	25 ECTS	Introduction to Drawing and painting I, 4 ECTS Form and space I, 4 ECTS Colour and Perception I, 4 ECTS Shared Environment 3 ECTS Optional arts and theory studies from the YoYo course selection 10 ECTS
Design practices	10 ECTS	Introduction to Basics of Design 3 ECTS Basics of Design Workshop 2 ECTS Professional and Legal Practices 2 ECTS History of Modern Art and Design 3 ECTS
Basic studies in fashion and clothing design	10 ECTS	History of Clothing 2 ECTS History of Fashion 2 ECTS Art History I 4 ECTS Research and Reporting in Design 2 ECTS
Subject studies in fashion and clothing design	95 ECTS	Clothing Design 7 ECTS Presentation Technique 3 ECTS ICT 2 ECTS Patterns and Pattern Design 6 ECTS Textile Technology and Knowledge of Materials I 2 ECTS Clothing Materials and Technology 4 ECTS Presentation Technique II 2 ECTS Pattern-making for Ladies' Wear I 4 ECTS Pattern-making for Ladies' Wear II, 3 ECTS Pattern-making for Men's Wear I 3 ECTS Pattern-making for Men's Wear II, 3 ECTS Knitwear Design I 4 ECTS Knitwear Design II 4 ECTS Printed Fabrics and Dyeing 4 ECTS Special Printing Techniques 4 ECTS Design of Ladies' Wear 6 ECTS Design of Men's Wear 6 ECTS Fashion Illustration 3 ECTS Design of Children's Wear 4 ECTS Design of Sportswear 4 ECTS Conceptualisation 4 ECTS Marketing 3 ECTS  BACHELOR'S DEGREE DIPLOMA WORK, 10 ECTS
Optional and/or minor subject studies	25 ECTS	Ladies' Wear Workshop 3–9 ECTS Men's Wear Workshop 3–9 ECTS Presentation/production of a show 3–6 ECTS Traineeship, 3–9 ECTS Projects/competitions 2–9 ECTS Minor subject

### Optional studies

Optional studies or a minor subject enable the students to choose individual study paths and strengthen their personal skills.

## Degree Programme in Fashion and Clothing Design (BA)

### Head of Degree Programme:

Pirjo Kääriäinen

### Future scenarios of the Degree Programme in Fashion and Clothing Design

The aim of the Degree Programme in Fashion and Clothing Design is to educate creative, critical, responsible and independent actors for the international field of clothing and fashion. Future scenarios of the degree programme include responding to the demands of a changing operating environment while observing the principles of sustainable development and ethical action. The advancements of materials and technology open up new possibilities for designing clothing and developing the sector. The scenario emphasises creativity, passion for new discoveries, openness and ethical action as values of Aalto University.

Aims of the degree programme in a nutshell:

- creativity
- a critical approach
- openness
- wealth of ideas
- ability to cooperate
- internationality

### Objectives

In the Degree Programme in Fashion and Clothing Design, the students are introduced to professional skills in the field and personal artistic expression in a versati-

le manner. The students learn to understand the role of their own work as part of a larger whole.

The studies emphasise creativity, design process skills, visual and verbal expression and application of skills and knowledge. The studies impart a capacity to work in various clothing sector tasks that require visual expertise.

After completing a BA degree, the students can continue in the MA programme and improve their skills in the area of clothing design.

### Modules

#### Basic Studies

Basic studies of the degree programme provide a theoretical foundation for studying vocational subjects.

#### Subject Studies

The aim of subject studies in the degree programme is to impart basic professional skills in the field and to enhance the students' personal artistic expression.

#### Optional Studies

The aim of optional studies is to enable each student to find his/her individual study path and area of strength.

## Degree programme in Industrial and Strategic Design (BA)

### Head of Degree Programme:

Raimo Nikkanen

### Objectives

In the three-year degree programme leading to a BA degree, the students develop an overall idea of design as part of product development. They learn to put to practice design

## Structure of the Degree Programme in Industrial and Strategic Design (BA) 180 ECTS

Module	Scope	Courses
Language and communication studies module	15 ECTS	Foreign language, 6 ECTS Native language, 3 ECTS Second national language, 3 ECTS Basics of information and communication technology, 2 ECTS Information literacy, 1 ECTS
Arts and theory module	25 ECTS	Introduction to Drawing and painting I, 4 ECTS Form and space I, 4 ECTS Colour and Perception I, 4 ECTS Shared Environment 3 ECTS Optional arts and theory studies from the YoYo course selection 10 ECTS
Design practices	10 ECTS	Introduction to the Basics of Design 3 ECTS Basics of Design Workshop 2 ECTS Professional and Legal Practices 2 ECTS History of Modern Art and Design 3 ECTS Cultural Environment 2 ECTS (optional)
Basic studies in industrial and strategic design	106 ECTS	Degree programme art and theory studies 22 ECTS <ul style="list-style-type: none"> <li>• Basics of Design Research 3 ECTS</li> <li>• Ergonomics and Usability 4 ECTS</li> <li>• Art History I 4 ECTS</li> <li>• Art History II 4 ECTS</li> <li>• Cultural Sociology 3 ECTS</li> <li>• Introduction to Aesthetics and Philosophy of Art 4 ECTS</li> </ul>
Subject studies in industrial and strategic design		Subject studies 84 ECTS <ul style="list-style-type: none"> <li>• 2D Visualisation and Communication 3 ECTS</li> <li>• Industrial Design I, 15 ECTS               <ul style="list-style-type: none"> <li>• Work and Identity of a Designer 2 ECTS</li> <li>• Design Project 2 ECTS</li> <li>• Portfolio 2 ECTS</li> <li>• Object/architectural analysis 2 ECTS</li> <li>• Shaping 2 ECTS</li> <li>• Presentation Technique 3 ECTS</li> <li>• Workshop Courses 2 ECTS</li> </ul> </li> <li>• CAD I 6 ECTS</li> <li>• Industrial Design II, 17 ECTS               <ul style="list-style-type: none"> <li>• Glass/Metal Studio 4 ECTS</li> <li>• Product Description 1 ECTS</li> <li>• Design Processes 6 ECTS</li> <li>• Problem-oriented Product Design 6 ECTS</li> </ul> </li> <li>• Mechanical Technology 4 ECTS</li> <li>• Plastic Technology 4 ECTS</li> <li>• CAD II, 3 ECTS</li> <li>• CAM 3 3 ECTS</li> <li>• Industrial Design II, 16 ECTS               <ul style="list-style-type: none"> <li>• Service Design 6 ECTS</li> <li>• Product Development Project PDP 10 ECTS</li> </ul> </li> <li>• Interactive Design 3 ECTS</li> <li>• Diploma Work (BA) 10 ECTS</li> </ul>
Optional and/or minor subject studies	24 ECTS	Optional courses of the Degree Programme in Industrial and Strategic Design <ul style="list-style-type: none"> <li>• Design Research 15 ECTS</li> <li>• Introduction to Media Skills 2 ECTS</li> <li>• Optional traineeship, 6-9 ECTS</li> <li>• Design competition / personal project 2-8 ECTS</li> <li>• minor subject</li> </ul>

suggestions aiming to develop the functional and aesthetic properties of serially produced industrial products.

Professional production comprises skills in information retrieval, problem-solving and analysis methods as well as knowledge and skills contents that are vital in the profession. The students learn to control their own work processes and to make justified choices.

The competence areas of the Degree Programme in Industrial and Strategic Design are:

- product design
- user-centred design
- design and culture
- design management
- design research

#### Modules

##### *Language and communication studies module*

See page 39.

##### *Arts and theory module*

See page 32.

##### *Design practices*

This module contains the joint courses of all BA students at the Department of Design.

##### *Basic and subject studies of the Degree Programme in Industrial and Strategic Design*

Basic studies include 22 ECTS of degree programme art and theory studies. The BA degree in Industrial and Strategic Design contains 74 ECTS of subject studies and a diploma work amounting to 10 ECTS. The aim of the subject studies is learning to manage the design process in conceptualisation and product development. Teaching in design process skills is included in the studies each year and each term.

##### *Optional and/or minor subject studies*

Minor subject studies can be completed at the student's own university or, based on JOO study rights, at another university or third-level institution. Having a minor subject accepted as part of the degree takes place in connection with the drawing up of the personal study plan (PSP). The credits reserved for a minor subject in the degree can be used for optional and credit transfer studies and a traineeship.

## Master of Arts degrees

- *Master's Degree Programme in Applied Art and Design 120 ECTS*
- *Master's Degree Programme in Furniture Design 120 ECTS*
- *Master's Degree Programme in Spatial Design 120 ECTS*
- *Master's Degree Programme in Textile Art and Design 120 ECTS*
- *Master's Degree Programme in Fashion and Clothing Design 120 ECTS*
- *Master's Degree Programme in Industrial and Strategic Design 120 ECTS*
- *Master's Degree Programme in Creative Sustainability 120 ECTS*
- *Master's Degree Programme in International Design Business Management 120 ECTS*

#### Teaching

In Master's programmes, the teaching is arranged around 12-ECTS modules whose schedules are based on the periods of the academic year.

Joint studies in the master's degree programmes of the Department of Design are:

#### INTROduction to Joint Master Studies

4 ECTS (compulsory)

#### Structure of the *Master's Degree Programme in Applied Art and Design (MA) 120 ECTS*

Module	Scope	Content
Advanced studies of the degree programme	96 ECTS	Intro 4 ECTS Thesis Seminar I 4 ECTS
		COMPULSORY MODULES Applied Art and Design Studio 12 ECTS Experimental Design Studio 12 ECTS Two modules from the offer of the Department of Design, total 24 ECTS
Voluntary and/or minor subject studies	24 ECTS	OPTIONAL MODULES Ceramic and Glass Design Studio 12 ECTS Art and Design Boundaries 12 ECTS Project module 5–15 ECTS
		Thesis 40 ECTS (incl. Thesis Seminar II)

#### Thesis Seminar I 4 ECTS (compulsory)

A thesis accounting for 40 ECTS is a compulsory part of the MA degree. The aim of the thesis is to demonstrate learning and an ability to apply what has been learnt. From the professional and academic perspective, the thesis gives the student practice in independent acquisition of knowledge and skills and their application in demanding design, research and teaching assignments and other professional tasks in his/her field, creative problem-solving and the use of methodology and presentation technology tools.

#### Recommended order of studies in an MA programme

The recommended time for completing the studies is two years, and the degree programme structures the teaching offer so that it is possible for the student to take the required modules and courses in this time.

The students should have completed at minimum 56 ECTS of advanced Master's studies (4 advanced modules and/or projects, and the joint compulsory studies of the Department of Design – INTRO and Thesis Seminar I) before they can seek approval for the theme and the tutor of the thesis that is part of the degree.

## Master's Degree Programme in Applied Art and Design (MA)

#### Head of Degree Programme:

Heikki Määttänen

#### Objectives

In the Master's Degree Programme in Applied Art and Design, the students improve their design skills acquired at the BA level and familiarise themselves with defining the aims of their design work in the wider operating environment of culture, business and product development. The objective of the MA Programme in Applied Art and Design is to give the students a capacity to act as an independent professional of design in the areas of culture, promotion of arts and concept marketing. The Applied Art and Design education helps the students to perceive cultural links and to develop their ability to see their own work as part of a cultural whole.

#### Modules

##### *Advanced Modules of Applied Art and Design 48 ECTS*

The MA programme in Applied Art and Design contains two compulsory modules: the Applied Art and Design Studio module and



the Experimental Design Studio module. In these modules, the students can focus on the areas of mass production, experimental design or art studio activities. The working methods of the modules include lectures, discussions, workshops, module journals and exhibitions.

#### **Applied Art and Design Studio Module** **12 ECTS**

The module aims to offer the students an up-to-date and comprehensive image of the work and opportunities of an applied arts designer in a changing society. The design process is approached through the methods of creative problem-solving. From conceiving the content, the students progress to making an object and presenting it through art promotion. Key professionals of selected themes are invited to be part of the studio teaching team in the areas of experimental design, industrial product design and studio production.

#### **Experimental Design Studio Module** **12 ECTS**

The aim of the module is to enhance the students' skills and working methods. Creative ideas are developed by studying ma-

terials and structures in the context of the material culture. As the starting point, a shared theme is selected, based on which the students design object concepts. Based on designs selected for further development, prototypes suitable for exhibiting are produced, which are presented in the manner selected by the group. New forms and alternative spaces are sought for traditional exhibitions.

#### **Ceramic and Glass Design Studio** **12 ECTS**

The Ceramic and Glass Design Studio module supports advanced studio work and imparts a capacity to plan and manage projects.

#### **Art and Design Boundaries 12 ECTS**

Applied Art as a key word of dynamics of creation. The module offers a variety of possibilities. It allows something experimental which explores the edge of latest applied art creativity that boundary art and design coexists.

#### **Transfer rules**

The Design Research course listed in the 2009-11 degree requirements will in the future be included in Thesis Seminar I.

### **Structure of the *Master's Degree Programme in Furniture Design (MA) 120 ECTS***

Module	Scope	Content
<b>Advanced studies of the degree programme</b>	96 ECTS	Intro 4 ECTS Thesis Seminar I 4 ECTS  MODULES (a minimum of 3 to be chosen)  MA in Furniture Design: Module A 12 ECTS Principles of Modern Furniture Design MA in Furniture Design: Module B 12 ECTS Functional Furniture MA in Furniture Design: Module C 12 ECTS Sustainable Furniture MA in Furniture Design: Module D 12 ECTS Furniture and Space MA in Furniture Design: Module E 12 ECTS Product Development
		Thesis 40 ECTS (incl. Thesis Seminar II)
<b>Voluntary and/or minor subject studies</b>	24 ECTS	

## ***Master's Degree Programme in Spatial Design and Master's Degree Programme in Furniture Design (MA)***

**Head of Degree Programme:**  
**Heikki Määttänen**

#### **Future visions of the MA Programmes in Spatial and Furniture Design**

When defining future skills needs, focusing education to respond to the major challenges of sustainable development and ecological changes plays a key role. The challenge for education is to be able to see the effect of these changes in human surroundings and our everyday actions. The education takes into account changes in our existing environment, complementary building and infill development, and evaluating and preserving existing cultural environments. Knowledge related to construction and materials suitable for sustainable development as well as the increased use of wood in construction are growing areas in this field of education.

The education provided by the Degree Programmes in Spatial and Furniture Design emphasises traditional professional skills in the design of the immediate human environment. This includes aspects such as fur-

niture and spatial design, as well as preparing to face the new demands in the design profession brought about by a changing society.

We strive to educate independent designers, capable of demanding design tasks, who have their own vision and who are able to work as members of various teams and in different tasks.

#### **Objectives of the MA Programmes in Spatial and Furniture Design**

The Master's Degree Programmes in Spatial and Furniture Design form a package that comprises the Master's Degree Programme of Spatial Design and Master's Degree Programme in Furniture Design as well as the Wood Studio minor subject modules.

Spatial design as a major subject, which teaches architecture, and furniture design as a major subject operate within the frame of reference of applied art and design.

The MA programme builds on the design skills acquired at the BA level and looks at the human living environment in a wider sense as a diverse cultural and artistic entity.

The teaching and research areas of the degree programmes are the built environment and the immediate environment, ar-

### **Structure of the *Master's Degree Programme in Spatial Design (MA) 120 ECTS***

Module	Scope	Content
<b>Advanced studies of the degree programme</b>	96 ECTS	Intro 4 ECTS Thesis Seminar I 4 ECTS  MA-MODULES IN SPATIAL DESIGN (a minimum of 3 to be chosen)  Context 12 ECTS Space in practice 12 ECTS Content / Identity of Space 12 ECTS Advanced Projects (variable) 6-12 ECTS Spatial Design Module E 12 ECTS
		Thesis 40 ECTS (incl. Thesis Seminar II)
<b>Voluntary and/or minor subject studies</b>	24 ECTS	

chitecture and furniture of interior and exterior spaces, atmosphere and functionality, detailed design in private and public spaces as well as knowledge of architecture, design, materials and structures. The scope of the studies covers interior and exterior spaces and the manner in which these are linked to their functional and historical context, or architecture, with emphasis on a smaller scale and details as well as the human immediate environment.

The objective is to educate designers who are able to combine in their work social needs and responsibility, creative interpretation of the beauty ideas of their own time and skilfully using various production methods. The Department recognizes its role and assumes its responsibility as both a national and an international influence and actor in the field of design.

The aim is to highlight the idea of an interior designer as a designer of the human immediate environment with an extensive professional scope and an understanding of its cultural context. It also raises the professional profile of an interior designer as someone skilled in architectural details and a professional of renovation building. The competence area includes the scale, starting from furniture and extending to small-scale building design.

The aims of the programme also include mastering the design process, understanding the basic principles of construction technology and knowledge of materials.

The Wood Studio aims at high standards and extensive application of wood as a material in interior design, furniture and small artefacts.

## Modules

### **Spatial Design**

The aim of the module is to teach the students to process and create meaningful and

functional architectural spaces and environments. A key objective is to develop the students' analytical thinking when defining the character of a space and assessing its impact. Additionally, the module aims to introduce the students to the basic principles, operating environment and operating practices of building design.

### **Furniture Design**

A key aim is to develop the students' creative thinking and expressive power as well as their functional and structural 3D perception. The objective of the module is to impart knowledge and skills in the design of an industrial serially produced piece of furniture that is in all aspects sustainable and reflects a strong vision.

### **The Wood Studio**

The Wood Studio increases the students' interest in wood as a material and their knowledge of using wood as well as promotes various ways of using wood in the entire area of the wood culture. In project assignments, the Wood Studio approaches wood as a material with an innovative attitude. The Wood Studio aims at high standards and extensive application of wood as a material in interior design, timber furniture and small artefacts.

### *MA modules in Furniture Design*

*A student in the Master's Degree Programme in Furniture Design chooses a minimum of three of the following modules as compulsory studies and the remaining three modules are chosen according to the student's personal study plan from the degree programme's or from other degree programmes' offer.*

### **MA in Furniture Design: module A**

#### **12 ECTS**

Principles of Modern Furniture Design

The aim of the course is to introduce students to the principles and processes of modern furniture design.

The course introduces and allows students to practise the presentation methods, tools and work forms used in furniture design. Students become familiar with modern furniture types and the basic structures and materials used in them. Another objective is for students to master the three-dimensional composition and modeling that is essential to furniture design.

### **MA in Furniture Design: module B**

#### **12 ECTS**

#### **Functional furniture**

The aim is to give the student a better idea of the visual and functional links of a piece of furniture and its scale as an entity.

### **MA in Furniture Design: module C**

#### **12 ECTS**

#### **Sustainable Furniture**

The aim is to enhance the student's understanding of the interconnected effects of material and structural solutions and to stress the significance of the original idea as the design work progresses.

### **MA in Furniture Design: module D**

#### **12 ECTS**

#### **Furniture and Space**

The aim is to teach the students to master the design process and have an in-depth idea of the designer's role in a comprehensive project.

### **MA in Furniture Design: module E**

#### **12 ECTS**

#### **Product Development**

The course aims to help the student to master the entire design and product development process.

### *MA modules in Spatial Design*

*A student in the Master's Degree Programme in Spatial Design chooses a minimum of three of the following modules as compulsory studies and the remaining three modules are chosen according to the student's personal study plan from the degree programme's or from other degree programmes' offer.*

### **Context 12 ECTS**

Contextual understanding of the built environment as a complex entity is vital for new intervention. Spatial, cultural and social phenomena define the circumstances and influence our perception and experience of the place. Both analytical and proactive tools are introduced to pursue the rising potential of the new interventions.

### **Space in Practice 12 ECTS**

The aim of this course is to simulate the spatial design process. The course follows the whole design path from the commission all the way to the final outcome. By presenting your imaginary design company, doing the offer, creating the concept in order to sell your idea, developing the concept into a concrete project and calculating the budget will be simulated during the module. As the outcome the project will include architectural plans and sections, lightning and furniture concept, material and colour principles plus the estimated budget.

The understanding of the whole span and different stages of a spatial design project leads into a better comprehension of the profession as well as better design decisions in the future projects

### **Content / Identity of Space 12 ECTS**

The aim is to help the students to master the design process and acquire an in-depth understanding of the designer's role in a comprehensive project.

**Advanced Projects (variable) 6–12 ECTS**

The project module in the field of spatial planning is carried out in cooperation with companies. The projects focus on themes of urban culture, sustainable development and experimental design. Working as part of a multi-disciplinary and multi-cultural design team is a central part of working in this field.

**MA in Spatial Design: module E 12 ECTS**

A project module that deals with topical themes of spatial design. The students focus on a building design assignment, the contents, implementation and working methods of which vary annually. Implemented as necessary.

**The Wood Studio Minor**

**The Wood Studio: project module 1**  
12 ECTS

**The Wood Studio: project module 2**  
12 ECTS

The contents vary annually depending on project assignments. The projects focus on innovative, high standard and comprehensive application of wood as a material in interior decoration, furniture and small artefacts. The students develop a capacity for material-oriented design and improve their knowledge of the wood material through practical work.

**Degree programme in Textile Art and****Degree Programme in Fashion and Clothing Design (MA)**

**Head of Degree Programme:**  
Pirjo Kääriäinen

**Objectives**

The aim of these degree programmes is to

educate creative specialists of textile and/or fashion clothing design for the changing needs of society and business life.

The operating environments of those graduating from the degree programme include the field of international fashion and design and multi-professional cooperation networks. They will design or coordinate collections and materials, act as visual designers, anticipate trends, work as experts in the media or cultural organisations, or as entrepreneurs, researchers, artists or in managerial tasks. Success in various tasks of the field requires not only artistic and professional competence but also knowledge of the principles of business operations, societal change and technical development. Key competence areas of both degree programmes include entrepreneurship and business skills, functional design, artistic expression, trend forecasting and research related to this professional field.

**Modules****Functional Design 12 ECTS (fashion and clothing)**

Professor N.N

The student familiarises him/herself with the possibilities offered by the latest technology in design work of this field and investigates their creative application in his/her own work. The main themes are user-centred textile and clothing design for demanding conditions and material development and finishing.

**Functional Design 12 ECTS (textile)**

Professor Pirjo Kääriäinen

The aim of this course is to introduce the student to new textile technologies and materials and to explore their new applications. The theme and the content of the course varies each year.

**Structure of the Degree Programmes in Textile Art and in Fashion and Clothing Design (MA) 120 ECTS**

Module	Scope	Content
Advanced studies of the degree programme	84 ECTS	<p>Joint studies of the Department of Design</p> <ul style="list-style-type: none"> <li>• INTRO 4 ECTS</li> <li>• Thesis Seminar I 4 ECTS</li> </ul> <p>Degree programme joint module (compulsory)</p> <ul style="list-style-type: none"> <li>• Design Tools 12 ECTS</li> </ul> <p>Degree programme advanced modules (at least two to be selected by each student)</p> <ul style="list-style-type: none"> <li>• Functional Design 12 ECTS</li> <li>• Entrepreneurship and Business Skills 12 ECTS</li> <li>• Trend Forecasting 12 ECTS</li> <li>• Artistic Expression 12 ECTS</li> <li>• Designing a Collection Concept (clothing) 12 ECTS</li> <li>• Surface and Colour Design 12 ECTS</li> </ul> <p>Thesis 40 ECTS</p>
Voluntary and/or minor subject studies	36 ECTS	<p>Optional Department of Design modules, for example</p> <ul style="list-style-type: none"> <li>• Sustainable Product Design 12 ECTS</li> <li>• Design and Culture 12 ECTS</li> </ul> <p>Collection project 12 ECTS (clothing)</p> <p>Pattern Lab project 12 ECTS</p> <p>Argos project 6–12 ECTS</p> <p>Wearable technology I &amp; II, 6+6 ECTS</p> <p>Functional and Aesthetic Treatment Environment 6–12 ECTS</p> <p>Varying advanced projects 6–12 ECTS</p> <p>Minor subject 20–30 ECTS</p>

**Entrepreneurship and Business Skills 12 ECTS**

Professors Pirjo Hirvonen and Pirjo Kääriäinen

The aims of the module include understanding the principles of business operations and developing into an entrepreneur as well as familiarity with the operating methods of international commercial/industrial design and the fashion industry. The module also covers the marketing and branding of design and fashion.

**Trend Forecasting 12 ECTS**

Lecturer Heidi Paavilainen

The students familiarise themselves with research methods suited for trend anticipation, generating ideas, trend thinking and the trend concept as well as consumer behaviour. The students can include future studies as a minor subject in this module.

**Artistic Expression 12 ECTS**

Professor Pirjo Hirvonen

Examining cultural backgrounds with ar-

tistic perception and developing a personal interpretation reflected in material and colour as well as shape and concept are at the basis of the creative design process. The aim of the module is to grasp and master overall artistic expression both in textile and / or fashion and clothing design. The module combines a research-orientated approach with subjective creation.

**Designing a Fashion Collection Concept 12 ECTS**

Professor Pirjo Hirvonen

The aim of the module is to develop conceptual thinking and thereby both challenge and reinforce creative personal vision. All students create a fashion collection concept based on meaningful values reflected against the possibilities and challenges of contemporary society and the fashion business. Also the understanding of fashion marketing within the context of international clothing collections is deepened in Fashion Marketing - cour-

ses executed in co-operation with Aalto Business School. After this module, the student can continue to the Fashion Collection Project to realize the developed concept and its ideas as well as enhance the entire design process in the context of industrial / commercial clothing collections starting from collection and material research and finalizing in a commercial collection presentation. This project includes adopting the professional goals of a designer and improving project management and teamwork skills within a scheduled project.

### **Surface and Colour Design 12 ECTS**

Professor Pirjo Kääriäinen

The aim is to introduce the students to the design of themes and colours for collections and to focus on surface design and its techniques regardless of the material. The module helps the students become aware of their personal strengths as designers and draw on their specialist skills. The module lays a foundation for the Pattern Lab project module, in which the students create a joint surface design collection and learn practices relevant to work as a freelancer and fairs abroad.

## **Degree Programme in Industrial and Strategic Design (MA)**

**Head of Degree Programme:**  
**Raimo Nikkanen**

The objectives of the MA in Industrial and Strategic Design is to provide participants with a profound and critical awareness as to the value and practical use of design as a creative and productive resource for cultural, economic and social improvement.

The MA Programme focuses on creating, developing and utilizing contemporary ap-

proaches in the design, development and management of products (incl., associated media), services and systems.

There are various opportunities for specialization in the MA Degree, including participation in one of the minor studies programme options, such as:

- International Design Business Management IDBM
- Usability School
- Creative Sustainability

### **Future scenarios of the programme and the required competence**

The competence areas covered in the Industrial and Strategic Design programme are:

- advanced product design
- user-inspired design
- design and culture
- design strategy and innovation
- service design
- contemporary design discourse

### **Modules**

#### **Core Modules of the MA programme in Industrial and Strategic Design**

Core Modules are based on the degree programmes core competence areas, which are product design, strategic design, interactive design and culture. Core modules are intensive 8 weeks teaching periods that approaches the topic both from theoretical and practical point of view. Studies in core modules include lectures, exercises, design assignments, reading material etc.

#### **Advanced Product Design 12 ECTS**

The module empowers students to work as independent or in-house industrial designers in contemporary design teams. The studies involve a combination of individual and team-based methodologies

### **Structure of the Degree Programmes in Industrial and Strategic Design (MA) 120 ECTS**

Module	Scope	Content
<b>Advanced studies of the degree programme</b>	96 ECTS	<p>Studies by the Department of Design</p> <ul style="list-style-type: none"> <li>• INTRO 4 ECTS</li> <li>• Thesis Seminar 4 ECTS</li> </ul> <p>Studies by the degree programme Core Modules (min 3 core modules has to be included to the degree):</p> <ul style="list-style-type: none"> <li>• Advanced Product Design 12 ECTS</li> <li>• User Inspired Design 12 ECTS</li> <li>• Experience Driven Design 12 ECTS</li> <li>• Designing Services 12 ECTS</li> <li>• Design Experimentation and Exploration 12 ECTS</li> <li>• Design Strategy and Innovation 12 ECTS</li> <li>• Design and Culture 6–12 ECTS</li> <li>• Interactive Prototyping in Design 12 ECTS</li> </ul> <p>Final Thesis 40 ECTS</p>
<b>Voluntary and/or minor subject studies</b>	24 ECTS	<p>Advanced Project 12 ECTS</p> <p>Optional core module from the offering of the Department of Design 12 ECTS</p> <p>Optional minor studies 20–30 ECTS</p> <ul style="list-style-type: none"> <li>• IDBM</li> <li>• Usability School</li> <li>• Creative Sustainability</li> <li>• Customized minor studies</li> </ul> <p>International Studies</p> <p>Design Competition 2–8 ECTS</p> <p><u>Theoretical Insights and Frames – book exams</u> Design and Creative Teamwork 3 ECTS <i>replaces course 10128 in the degree requirements of 2009-11</i> Action Research 3 ECTS <i>replaces course 10114 in the degree requirements of 2009-11</i> Presentation Techniques / Business Communication 2 ECTS <i>replaces course 10139 in the degree requirements of 2009-11</i> Intellectual Property Rights 2 ECTS <i>replaces course 10149 in the degree requirements of 2009-11</i></p>

or assignments. The Advanced Product Design core module emphasizes a variety of opportunity identification and assessment methods for future technologies.

Professor Raimo Nikkanen

#### **User Inspired Design 12 ECTS**

In the User Inspired Design core module, the traditional design-related problem solving and novel approaches to involve users into design decision-making are applied to find out and describe users' emerging practices and corresponding design opportunities. User Inspired Design projects do not aim at proposing feasible designs but propose decision-making options and stimuli for a range of different business purposes.

Professor Jack Whalen

#### **Experience Driven Design 12 ECTS**

This module aims to familiarize students with experience design paradigm and how it could be implemented in product design and development. The concepts of user experience and customer experiences and their role in business-to-business environment, as well as the relation of experience design approach to other design methods are introduced in the module. Students learn how to utilize user experience targets in early phases of product development and how to conduct user experience evaluation.

Professor Virpi Roto

#### **Designing Services 12 ECTS**

Newer areas for the application of design thinking and making include supporting



human-centred innovation as a strategy, setting ground and supporting various kinds of collaborations beyond the more traditional design fields, designing services being one of them. The topics address transformations in public and private organisations, changes in technology as well as requirements and potentials of open or shared innovation and networking. The focus is on 'designing good life culture' through a holistic, human-centred, co-design approach i.e. the application of design competence and experiential engagement in the emerging and experimental topics in service design. The project-based module is open to students from various fields of art and design.

Professor, DA Tuuli Mattelmäki

### **Design Exploration and Experimentation** **12 ECTS**

The module provides designers with the freedom and possibility for self-initiated research and experimentation in the rapidly changing field of design. It affords fertile ground for the exploration, development and expression of new design typologies, new languages, new models of experiencing and expressing or essentially taking inspiration from contemporary advances in technology, culture and design.

Professor Maarit Mäkelä

### **Design Strategy and Innovation** 12 ECTS

The module offers contemporary insights into design leadership and design management emphasis and differences in new product development and business planning processes. It gives tools to actively participate in the process of creating and shaping design and business strategy, to optimize differentiation according to strategic objectives, and to assure the form and experiential quality of products (services) and brands, over time.

Professor Peter McGrory

### **Design and Culture** 12 ECTS

The module develops students' abilities to see their design work as part of wide cultural entities as well as to illustrate the cultural connections that practices and products have as part of product environment, consumption and cultural aspirations. The module leads to a professional image, where design studies create a basis for a wide range of tasks in service for the design field.

Professor Pekka Korvenmaa

### **Interactive prototyping in Design** **12 ECTS**

The research-oriented module teaches how to explore design ideas through building interactive prototypes. The module addresses various roles prototyping plays in design research, design research theory, a practical exercise, and a technical part. The technical part introduces students to the basics of electronics, microcontrollers and the basics of programming necessary for building embedded systems.

Laboratory manager Jussi Mikkonen

## ***Master's Degree Programme in Creative Sustainability (MA)***

### **Programme Director: Tiina Laurila**

The International Master's Degree Programme in Creative Sustainability (CS) was commenced in autumn 2010 at Aalto University. It is a joint master's degree programme at the School of Arts, Design and Architecture, School of Business and School of Engineering. The Creative Sustainability programme is a multidisciplinary learning platform in the fields of architecture, business, design, landscape

## **Structure of the Degree Programme (MA) in Creative Sustainability in Department of Design at School of Arts, Design and Architecture**

Module	Scope	Content
<b>Compulsory Joint Studies of CS</b>	10 ECTS	Creative Teamwork 2 ECTS Creating the Mindset of Sustainable Societies 2 ECTS Continuous Transformation 2 ECTS Systems Thinking 1, 2 ECTS Systems Thinking 2, 2 ECTS
<b>Compulsory Studies by the Dept. of Design</b>	72 ECTS	Studies by the Department of Design: • INTRO 4 ECTS • Thesis Seminar 4 ECTS  Studies by the CS degree programme:  Sustainable Product and Service Design 12 ECTS; a module includes: • Sustainable Product and Service Design 6 ECTS • Sustainable Design Case 6 ECTS  Design Ethics 12 ECTS; a module includes: • Design Ethics Theory 6 ECTS • Design Ethics Project 6 ECTS or • Values in Design 6 ECTS (will be arranged in academic year 2014–2015)  Master's Thesis 40 ECTS
<b>Elective courses</b>	18 ECTS	<u>School of Arts, Design and Architecture, Department of Design:</u> • CS Thesis Development and Methods Workshop 3 or 5 ECTS • Participatory Methods and Facilitation Skills 2 ECTS • Creative Cooperation Methods and Skills 2 ECTS • Design for Government, Theory 6 ECTS • Design for Government, Case 6 ECTS  <u>School of Arts, Design and Architecture, Department of Architecture:</u> • Sustainable Building Design 10 ECTS • Sustainable Urban Design 10 ECTS • Sustainable Landscape - EIA 9–12 ECTS • City in Transition 16 ECTS; a module includes: • State of the World and Development 2 ECTS (Aalto ENG) • City in Transition Theory 2 ECTS • City in Transition Studio 12 ECTS  <u>School of Business:</u> • Corporate Responsibility in Global Economy 6 ECTS • Sustainability Politics and CSR- Reading Seminar 6 ECTS • How to change the world: Innovation toward Sustainability 6 ECTS • Business Ethics 6 ECTS • Responsibility Management, book exam 6 ECTS • Sustainable business & consumption 6 ECTS • CAPSTONE in Creative Sustainability 6 ECTS (will be arranged in academic year 2014–2015)  <u>School of Engineering, Department of Surveying and Planning:</u> • Corporate Real Estate Management 5 ECTS • Real Estate Development 5 ECTS • Real Estate in Theory and Practice 5 ECTS • Sustainable Real Estate Business 5 ECTS • International Land Management 6 ECTS • Game in Urban Planning & Development 4-6 ECTS  <u>School of Engineering, Department of Civil and Environmental Engineering:</u> • State of the World and Development 2 ECTS • Sustainable Communication 2 ECTS • Sustainable Global Technologies; Changing Course 6 ECTS • Sustainable Technologies Studio 10 ECTS  <u>Changing courses and projects:</u> • Theoretical Changing Courses 1–12 ECTS • CS Projects 1–12 ECTS  <u>Other:</u> Creative sustainability studies in other universities
<b>Optional Studies or Minor Studies</b>	20 ECTS	

Language studies according to the School requirement

planning, real estate and urban planning. The CS programme provides an international context of study, in student and teaching groups and study subjects. The CS programme offers students opportunities to collaborate with research projects, companies, and students from other disciplines.

The students will graduate with degrees of Master of Arts or Master of Science in Architecture. The CS Programme is also offered as minor subject studies.

### Future Challenges

The most significant development challenges of sustainability are associated with climate change, global poverty, social and economic inequality, population growth as well as demographic changes and adaptation to rapid global economic changes. Global and local challenges and the complexity of future scenarios require strengthening the multidisciplinary approach and the inter-linkage of environmental, economic, socio-cultural aspects in education. This raises the role of higher education and research as an essential catalyst of sustainable development in society.

### Multidisciplinary approach to sustainability

The Master's Degree Programme in Creative Sustainability brings together students from different fields to study in multidisciplinary teams that increases understanding of different disciplines and enables adapting a holistic approach. This activates students to create new sustainable solutions for human, urban, industrial and business environments.

The pedagogical approach is based on integrating teaching and research, problem-based learning, blended learning and strong connection to practical outcomes.

Creative Sustainability studies prepare students to work as sustainability experts in organizations that have a strategic view on transformation towards sustainability. These include the private and public sectors as well as a wide range of NGO's.

### The competence areas covered in the Master's Degree Programme in Creative Sustainability:

- **Multidisciplinary approach:** developing capabilities in adapting knowledge, skills and new approaches to reach collaborative solutions based on ecological, economical and socio-cultural sustainability.
- **Systems approach:** integrating analytic and systemic thinking into critical problem solving that creates new holistic understanding about complex situations in society. The emphasis is on global awareness within the context of local communities and simultaneous modification of different aspects of sustainability.
- **Design thinking:** enhancing creative problem solving capabilities that utilise the methods of the design process in defining the problem, generating ideas and obtaining solutions.
- **Project management:** enhancing capabilities in multidisciplinary team leadership and communication in versatile industrial, urban and business environments that promotes sustainability in various cultural contexts.
- **Business management:** developing new approaches and skills for creating sustainable business models and improvement of business ethics and corporate responsibility.

### Studying in Creative Sustainability at Aalto School of Arts, Design and Architecture

### Department of Design

Creative Sustainability studies at the Department of Design empower and encourage students to create new roles for designers in the professional fields. Design Ethics and Sustainable Product and Service Design courses deepen the basis for professional skills in methods and responsibilities of design. The wide network enables participation in courses and projects that are organized in collaboration with international partner universities and research institutes. Contents of the projects can vary from material innovation to enhancement of social sustainability in challenging contexts.

In teaching, different aspects of sustainability are covered in collaboration with the Sustainable Design Research team (NODES) and other relevant research groups, which professors, post-doc researchers and doctoral students participate in planning and teaching courses/projects and tutoring students during their studies. Students from the Department of Design graduate as Master of Arts.

Contact persons at the Department of Design are M.Sc., MA, Tiina Laurila (CS programme director) and Aalto ARTS, CS design programme director and MA Naoko Nakagawa (CS programme coordinator)

### *Creative Sustainability Modules offered by the Department of Design*

#### **Sustainable Design 12 ECTS**

The module includes two courses, a lecture course **Sustainable Product and Service Design (6 ECTS)** and **Sustainable Design Case (6 ECTS)**. The learning outcomes is understanding the principles of sustainable product service design, applying methods and tools to estimate the ecological impact of design, understand the links and connections of ecological product service design to sustainable business and social development

and ecologically sustainable implementation of design process of material innovation. In Sustainable Design Case students work independently in multidisciplinary groups and tutored sessions are arranged once a week. Students outside the Department of Design will participate in the project case in roles defined by their professional background.

Programme Director Tiina Laurila

#### **Design Ethics 12 ECTS**

The module includes two courses, a lecture course **Design Ethics Theory (6 ECTS)** and **Design Ethics Project (6 ECTS)**. The Design Ethics Theory course gives a short overview to the history, legacies, values and responsibilities of design. A series of lectures, case-based assignments and intensive working sessions train the students to understand and champion everchanging conditions in corporate and international community. Students find, explore, discuss and analyze examples from the cultural history of art, architecture and design and learn how to participate in and lead design debate and evaluate and give critics on design. The Design Ethics Project course explores the contemporary business and globality related conditions such as global economy, sustainability, political context and social context in the design project. Professor Eero Miettinen

#### **CS Projects 1–12 ECTS**

Projects are carried out within topics of interest for partner organizations that can be e.g. private companies, NGOs or other associations or public organizations. Projects are launched to solve a real and practical problem of a partner. A project can be a group project or an independent work as a research paper. Projects can take place in Finland or abroad and are tutored by experts.

### Structure of the IDBM Degree Programme (MA) for students of Department of Design in School of Arts, Design and Architecture

Module	Scope	Content
Advanced studies	98 ECTS	<p><u>Studies by the Department of Design:</u> Introduction to Joint Master Studies (1<sup>st</sup> year) 4 ECTS Thesis Seminar (2<sup>nd</sup> year) 4 ECTS</p> <p><u>Studies by the degree programme:</u> Theories in IDBM (1<sup>st</sup> year) 5 ECTS</p> <p><u>Business Module (School of Business) 1<sup>st</sup> year</u> International Design Business Management 5 ECTS Business Modeling and Management 5 ECTS IDBM Industry Project (Business) 5 ECTS</p> <p><u>Design Module (School of Arts, Design and Architecture) 1<sup>st</sup> year</u> Design Thinking in Business 5 ECTS Designing Open Innovation 5 ECTS IDBM Industry Project (Design) 5 ECTS</p> <p><u>Technology Module (Schools of Technology) 1<sup>st</sup> year</u> Interdisciplinary Product Development 5 ECTS Innovation and Project Management 5 ECTS IDBM Industry Project (Technology) 5 ECTS</p> <p>Master's Thesis (2<sup>nd</sup> year) 40 ECTS</p>
Elective courses and/or minor subject studies	22 ECTS	<p>Elective Studies 22 ECTS 1<sup>st</sup> year-2<sup>nd</sup> year</p> <ol style="list-style-type: none"> <li>Any elective courses / minor subject entity offered at student's home school. Expressive Innovations and Design 12 ECTS Exchange university studies. Students may complete their elective studies during an exchange semester/ year abroad.</li> <li>Other minor subject entity/ elective module at the other Aalto University Schools or in other Finnish university. The elective study entity must be approved in student's HOPS (personal study plan) in advance.</li> </ol>

In addition to 120 ECTS, students from the School of Art and Design must complete 6 ECTS in Foreign Language studies. Besides Foreign Language studies, Finnish students have to complete native language 3 ECTS + another native language 3 ECTS if not completed yet in their bachelor's level.

### Master's Degree Programme in International Design Business Management (MA)

The IDBM master's degree programme is a 120 ECTS credit joint offering between the Aalto University School of Arts, Design and Architecture, School of Science, and School of Business. The programme is taught completely in English. The first year of studies consists of a set of intensive compulsory study modules in all three schools and requires full time commitment from the students. The second year of studies is more flexible to individual needs.

#### Objectives

The overarching learning outcome is seen

to be achievable through developing systemic and integrative competences within the two-year programme.

The objective is for learners to gain competence in multiple dimensions on both strategic and operational levels; also to develop and enhance individual abilities to recognize and acknowledge the value in tools, practices and mental models of other professions. This is seen to be needed in complex development projects and turbulent operational environments. Achieving systemic competence is seen to require a deep understanding of multidisciplinary aptitudes in the globalised context, in addition to well developed abilities in strategic foresight and agile working methods.

#### Learning outcomes and competences

In terms of knowledge:

- Individuals must widely understand and be critically able to approach the knowledge that is needed to undertake new business ventures in global environments.
- This includes understanding and having the best current knowledge of the systemic nature of global issues and the impact of globalisation; of the multidisciplinary nature of responses needed to address these issues; of the need to possess the best knowledge projections of the future through foresight; and the need to understand agile and flexible operational practices.
- Furthermore, they must master professional specialized concepts, applications and knowledge linked to their own business, design or technology background that are relevant to global business development.
- Additionally, they must be able to understand the issues related to the creation and application of new knowledge within and in between domains.

In terms of skills:

- Operating independently and in teams, individuals must be able to arrive at successful cross-cutting solutions within complex, ambiguous and demanding problem settings and environments.
- Furthermore, individuals must be able to create new knowledge and practices, while applying it in multidisciplinary settings.
- Individuals must be able to execute demanding tasks in expert and entrepreneurial roles, while also being able to develop new strategic and operational approaches in complex and unforeseeable circumstances.

- Within global business settings, individuals must be able to manage and lead initiatives and other individuals.
- While demonstrating abilities to accumulate personal expertise and knowledge, the individual must also possess the ability to evaluate the action of self and of teams/groups and be responsible for the professional development of others.
- The individual must have excellent written and oral communication skills within the professional sphere, as well as outside of it.

Programme Director Prof. Mikko Koria  
Programme Committee Prof. Mikko Koria, Prof. Kalevi Ekman, Prof. Peter McGrory

#### Core Modules

##### **Business Module 15 ECTS**

##### **Design Module 15 ECTS**

##### **Technology Module 15 ECTS**

In the three compulsory core IDBM modules, the objective is to build up the systemic knowledge and skill-sets of the students, through intensive courses that are linked to an academic year-long joint industry project and linked teamwork. The Business component of the joint IDBM project ensures that the students gain the necessary business perspective within the joint project, through extensive senior faculty supervision, business modeling and incorporating best business practices. The Design component of the joint IDBM project ensures that the students gain the necessary design thinking perspective within the joint project, through extensive senior faculty supervision and incorporating best design management practices. The Technology component of the joint IDBM project ensures that the students gain the necessary engineering and innovation ma-

agement perspectives within the joint project, through extensive senior faculty supervision and incorporating best business practices within the project scope.

The expectation is that, through integrative thinking, design processes, diversity and cross-cultural elements, the students learn how to operate successfully in multidisciplinary environments and to manage effectively the ambiguity that surrounds the real-life project contexts.

As a key learning outcome, students are expected to gain an understanding of and an ability to manage the three modes of learning offered in the programme: individual learning, team-situated learning and community-wide learning.

Each module is structured in two 5 ECTS courses and a joint Business/ Design/Technology 5+5+5 ECTS industry project. Parallel to lecture courses, the ID-BM industry project deepens the understanding of the participants of the real-life processes of firms that are engaged in global design intensive businesses. Developing new business, product, and service concepts with the firms enables a deep understanding of the business enterprise context, and allows the students to develop their multidisciplinary skills and abilities. Skills in project management and business planning are also developed through the projects.

#### **Possibility for a Double Degree Programme**

Master's Degree Programme in International Design Business Management can be completed also as a double degree programme organised together with Tongji University in Shanghai, China.

After the first academic year of the compulsory studies in Aalto, student will study in Tongji University for several months. When the student comes back

to Aalto, he/she will complete the master's thesis

which will be accepted both to Aalto and to Tongji. Upon completion of the double degree, the graduate is to receive a separate degree certificate also from Tongji University.

## **Minor Subjects**

### **Creative Sustainability (MA-level)**

A possibility for Minor studies in Creative Sustainability is offered to Master's degree students of Aalto University. The main objectives in minor studies are broadening sustainability knowledge and offering multidisciplinary approach during master degree studies. The Creative Sustainability Programme offers and recommends a course palette from which students can choose relevant courses to make an individual study plan (20-30 ECTS) following the requirements of each department of the Aalto University.

### **Elective courses (20–30 ECTS)**

School of Arts, Design and Architecture, Department of Design:

- Systems Thinking 1 (2 ECTS)**
- Systems Thinking 2 (2 ECTS)**

### **Sustainable Product and Service Design 12 ECTS:**

#### **a module includes:**

- **Sustainable Product and Service Design 6 ECTS**
- **Sustainable Design Case 6 ECTS**

### **Design Ethics 12 ECTS :**

#### **a module includes:**

- **Design Ethics Theory 6 ECTS**  
(and one of the following courses)
  - **Design Ethics Project 6 ECTS**
- or
- **Values in Design 6 ECTS** (will be organised in the autumn of 2014)

### **Participatory Methods and Facilitation Skills 2 ECTS**

### **Creative Cooperation Methods and Skills 2 ECTS**

- Design for Government, Theory 6 ECTS**
- Design for Government, Case 6 ECTS**

School of Arts, Design and Architecture, Department of Architecture:

- Sustainable Building Design 10 ECTS**
- Sustainable Urban Design 10 ECTS**
- Sustainable Landscape - EIA 9–12 ECTS**

### **City in Transition 16 ECTS:**

#### **a module includes:**

- **State of the World and Development 2 ECTS**
- **City in Transition Theory 2 ECTS**
- **City in Transition Studio 12 ECTS**

School of Business:

- Corporate Responsibility in Global Economy 6 ECTS**
- Sustainability Politics and CSR- Reading Seminar 6 ECTS**
- How to change the world: Innovation toward Sustainability 6 ECTS**
- Business Ethics 6 ECTS**
- Sustainable Business & Consumption 6 ECTS**

School of Engineering, Real Estate:

- Corporate Real Estate Management 5 ECTS**
- Real Estate Development 5 ECTS**
- Real Estate in Theory and Practice 5 ECTS**
- Sustainable Real Estate Business 5 ECTS**
- International Land Management 6 ECTS**
- Game in Urban Planning & Development 4–6 ECTS**

School of Engineering, Sustainable Global Technologies programme:

- State of the World and Development 2 ECTS**
- Sustainable Communication 2 ECTS**
- Sustainable Global Technologies; Changing Course 6 ECTS**
- Sustainable Technologies Studio 10 ECTS**



Changing courses and projects:

**Theoretical Changing Courses 1–12 ECTS**  
**CS Projects 1–12 ECTS**

Other:

Creative sustainability studies in other universities.

<http://www.creativesustainability.info>

**Contact person:** Study Coordinator Naoko Nakagawa: [naoko.nakagawa@aalto.fi](mailto:naoko.nakagawa@aalto.fi)

**IDBM – International Design Business Management (MA-level)**

International Design Business Management (IDBM) minor programme is a shared master-level minor study offered by the Aalto University School of Arts, Design and Architecture, School of Business and Schools of Technology.

**Scope:** 30 ECTS for students of art and design field of School of Arts, Design and Architecture

**Time:** from one year to two years

**Intake:** max. 10 students from art and design field of School of Arts, Design and Architecture

**Language:** English and Finnish depending on courses

**Objectives of the Minor Programme**

IDBM minor programme is a joint teaching programme of Aalto University. The studies take place in Aalto University School of Arts and Design and Architecture, School of Business and Schools of Technology. The purpose of the minor programme is to bring together experts in different fields within the concept of design business management. The objective of the IDBM minor programme is to train skilled professionals for key roles in international design business. The minor programme emphasises the importance of design as a competitive factor, linked with state-of-the-art technology and business models.

**Content: Industry Project 15 ECTS**  
**+ Courses 15 ECTS**

**Industry Project (15 ECTS)**

The core of the IDBM minor programme consists of a project commissioned by industry and is lasting for one academic year. Within the industry project a multidisciplinary team of students addresses problems related to the marketing operations, product development, logistics and/or design operations of the company concerned.

**Courses (15 ECTS)**

Students in IDBM minor programme complete courses in other Schools of Aalto to the extent of 15 ECTS. The courses concerned are mostly usual studies at the respective Schools, familiarising students with studies in other fields and helping them broaden their own perspectives. Some of the courses are in intensive study periods with problem-solving exercises in practical business through case studies and projects.

**Courses for the students of art and design field of School of Arts, Design and Architecture**

(*Max. 15 ECTS all together from courses of Schools of Technology and School of Business.*)

Course Examples in Schools of Technology:

- **Interdisciplinary Product Development**
- **Design of Production Systems**
- **Introduction to Project Management**
- **Product Development Project**

Course Examples in School of Business:

- **Theories in IDBM**
- **International Design Business Management**
- **Global Business Environment**
- **Entrepreneurship and Marketing Innovations**

<http://idbm.aalto.fi/>

**Contact person:** Study Coordinator Naoko Nakagawa: [naoko.nakagawa@aalto.fi](mailto:naoko.nakagawa@aalto.fi)

**Introduction to Ceramic and Glass Design (BA)**

Contact person: Professor Tapio Yli-Viikari: [tapio.yli-viikari@aalto.fi](mailto:tapio.yli-viikari@aalto.fi)

**Usability School (MA)**

Usability School is a joint module of the School of Science and School of Arts, Design and Architecture at Aalto University and the University of Helsinki, which imparts the students specialist skills in user-centred design.

Technology plays an increasing role in our everyday lives. Some of it is hidden from the ordinary user, while sometimes it is right in our faces. Most of us have had to assist our parents in using a digi box or a mobile phone. To ensure that technology will in the future meet user needs better, we need people who understand the multi-disciplinary nature of usability and master its basics both in theory and in practice. In the Usability School, the students focus on these problems from the perspectives of cognition science, industrial design and information technology.

<http://www.soberit.hut.fi/kaytettavyyskoulu/>

For more information contact: Amanuensis Aila Laakso: [aila.laakso@aalto.fi](mailto:aila.laakso@aalto.fi)

**Design and Culture (MA)**

The design, industrial design and use of products are determined by cultural factors. This applies both to the goals set for a product by the manufacturer and the designer and those aspects related to selection, reception and connections of use that influence the way in which the product reaches the consumer. The competence required of a designer also includes cultural

knowledge and its application to improving the quality of the end product or service. The aim of this minor subject is to improve the students' ability to see their own work as part of a more extensive cultural and social context and illustrate the cultural links that the designer, design practices and products have as part of the material environment, consumption and cultural ambitions of humans.

For more information contact: Professor Pekka Korvenmaa: [pekka.korvenmaa@aalto.fi](mailto:pekka.korvenmaa@aalto.fi)

**The Wood Studio Minor**

**The Wood Studio: project module 1**

**12 ECTS**

**The Wood Studio: project module 2**

**12 ECTS**

The contents vary annually depending on project assignments. The projects focus on innovative, high standard and comprehensive application of wood as a material in interior decoration, furniture and small artefacts. The students develop a capacity for material-oriented design and improve their knowledge of the wood material through practical work.

**Textile Art as a minor subject (BA)**

In textile art studies taken as a minor subject, the students are introduced to the basics and production methods of textile design and get to know various materials and their uses. The following courses can be included in a student's individual minor subject through the personal study plan (20-25 ECTS).

**Contact person:** Study Coordinator

- **History of Textiles 2 ECTS**
- **Finnish Textile Art 2 ECTS**
- **Surface Design 4 ECTS**
- **Textile Technology and Materials I 2 ECTS**
- **Textile Technology and Materials II 2 ECTS**
- **Weaving I 4 ECTS**

- **Knitwear Design I 4 ECTS**
- **Printed Fabrics and Dyeing 4 ECTS**
- **Artistic Expression I 1 ECTS**
- **Artistic Expression II 4 ECTS**
- **Textile and the Humans 12 ECTS**
- **Textile and Space 8 ECTS**
- **Basic Knitting 3 ECTS**
- **Basic Printing 2 ECTS**
- **Weaving - Material and Structure 4 ECTS**

### **Fashion and Clothing Design as a minor subject (BA)**

In minor studies of fashion and clothing design, the student familiarises him/herself with the basics of clothing design. The following courses can be included in a student's individual minor subject through the personal study plan (20–25 ECTS).

**Contact person:** Study Coordinator

- **Clothing Design 7 ECTS**
- **Presentation Technique 3 ECTS**
- **ICT 2 ECTS**
- **Patterns and Pattern Design 6 ECTS**
- **Textile Technology and Knowledge of Materials I 2 ECTS**
- **Clothing Materials and Technology 4 ECTS**
- **History of Clothing 2 ECTS**
- **History of Fashion 2 ECTS**
- **Research and Reporting in Design 2 ECTS**
- **Presentation technique II 2 ECTS**

### **MEDes – Master of European Design – minor studies programme /BA and MA minor 120 ECTS**

The Master of European Design (MEDes) is a study programme offered by a network of six leading European design schools. MEDes in Finland is a minor studies programme for Industrial and Strategic Design students that spans over the whole study time. During the five years of studies, eve-

ry student lives and studies in three different places. One of the rules is that the studies must end where they began. MEDes offers to its students means to gain insight into different design approaches, ability to adapt to various systems whilst remaining critical and testing own thoughts and methods in these multifaceted working environments. Spending two years abroad and studying in three different educational systems helps to build confidence: language competencies are extended and professional and social skills are improved.

#### **Study Structure**

The first and second year the students study at their home institution. The third year is the first exchange year in abroad, which results in the Bachelor's degree. The second year abroad is the first year of the Master's degree. After the two years abroad, the students return to their home institution in the fifth year to reflect upon and to synthesise the diverse experiences and to work on their final MA thesis. During their stay abroad, the students follow the curriculum of the particular partner universities.

#### **MEDes community**

Important part of the MEDes activities is the network itself. MEDes students, coordinators and alumni gather together once a year for an annual workshop in one of the participating schools. MEDes gives students both professional and social network which carries over the study years.

#### **MEDes partners**

- GSA The Glasgow School of Art, Department of Product Design – Glasgow, UK
- LES ATELIERS École nationale supérieure de création industrielle – Paris, France

- POLIMI Politecnico di Milano – Milano, Italy
- KISD Köln International School of Design – Cologne, Germany
- KONSTFACK University College of Arts, Crafts and Design – Stockholm, Sweden
- AALTO School of Arts, Design and Architecture, Department of Design, Industrial and Strategic Design programme – Helsinki, Finland