Savonia
University of Applied Sciences

SAVONIA UNIVERSITY OF APPLIED SCIENCES
FACULTY OF BUSINESS, TOURISM AND CULTURE, KUOPIO ACADEMY OF DESIGN
DEGREE PROGRAMME IN DESIGN

Study Guide Book for Exchange Students 2011–2012

FACULTY OF BUSINESS, TOURISM AND CULTURE
KUOPIO ACADEMY OF DESIGN
DEGREE PROGRAMME IN DESIGN
BACHELOR OF DESIGN

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1 GENERAL INFORMATION

1.1 Welcome to Savonia University of Applied Sciences and Kuopio Academy of Design

Savonia University of Applied Sciences is a Finnish institution of higher professional education and one of the largest universities of applied sciences in Finland offering a wide range of courses in Finnish. Savonia University of Applied Sciences comprises eight units which are located in the region of North Savo, five of them are located in Kuopio near each other. Those units are Kuopio Academy of Design, Kuopio Academy of Music and Dance, Engineering, Health Professions and Savonia Business.

This guide contains the courses offered by Kuopio Academy of Design in Degree Programme in Design. These courses are provided in autumn 2011 and in spring 2012. The exchange student can build their individual curriculum.

Head of School Mr. Heikki Jylhä-Vuorio, teachers and staff warmly welcomes you to Kuopio Academy of Design.

Foundations of the Degree Programme in Kuopio Academy of Design

The degree programme in Design leads to the Bachelor of Culture and Arts degree; the qualification title is “muotoilija (AMK)” in Finnish. The extent of the degree studies is 240 ECTS credits. It takes four years to complete the degree studies. Competence provided by the degree meets the standards of higher education generally defined in the European Union, which creates prerequisites for the mobility of labour, experts and students.

There are four specialisation options within the degree programme in Design:
Studies in the specialisation option **Jewellery and Precious Metalwork Design** provide the student with the abilities to design and manufacture jewellery and utility articles that are suitable for unique, small-scale and industrial production.

Studies in the specialisation option **Interior Architecture and Furniture Design** provide the student with the abilities for designing built environment, 3D visualisation, information modelling and preparation of building documents and construction drawings. Graduates from this specialisation option are qualified as designers of one-family houses (competence class B). Upon graduation, the occupational title “Interior Architect” can be used by designers with membership in the Finnish Association of Interior Architects (SIO).

Studies of Industrial Design provide the student with the abilities to design the structure, appearance, shape and functionality of products to be manufactured industrially. The studies also include the development of producibility, ergonomics and commerciability of a product, as well as user-driven planning of services and interaction.

Studies in the specialisation option **Clothing and Textile Design** provide the student with the abilities to design and manufacture clothing, collections, fabrics or textile art in industrial or small-scale production.

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Premises

Kuopio Academy of Design is well endowed with studios and workshops, computer laboratories, modern information and library services, all situated in a breath-taking environment in the centre of Kuopio. The premises occupied by Kuopio Academy of Design are located in two buildings.

The 'main school' is at Piispankatu 8 in the Väinölänniemi district. It consists of four buildings. The Piispantalo (Bishop's residence) built in 1856, providing facilities for the student services office and administration. Three other buildings provide the lecture rooms and workshops for Ceramics and Glass Design, product design and graphic design. The Piispankatu buildings comprise the Academy's exhibition rooms: the Taitemia Gallery, the Kellari Gallery, the Library, the Kafetemia cafeteria, the auditorium, and the Design Forum project premises.

The other Academy property, known as the Turo site, is at Niiralankatu 15 in the Niirala district of the city. The teaching premises at the Turo site cover the lecture rooms and workshops for textile, fashion and clothing design, the textiles laboratory, the Materials Library, and the teaching rooms for glass blowing, art studies, visual expression and photography.

Contact Person

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1.2 Academic Calendar 2011–2012

The academic year is divided into four study periods. Each study period has its own timetable. Student exchange is always either a full academic year or one semester.

Dates for Academic Year 2011/2012:

- Autumn semester 11st Aug–21st Dec 2011
- Spring semester 9th Jan–31st May 2012

The Academic Year 2011–2012, Kuopio Academy of Design

- Teaching period one 11st Aug–23rd Oct 2011
- Teaching period two 24th Oct–21st Dec 2011
- Teaching period three 9th Jan– 18th March 2012
- Teaching period four 19th March–31st May 2012

Dates of orientation day(s)/week:

- Autumn semester: 16th Aug 2011
- Spring semester: 9th Jan 2012

Breaks during the Academic Year:

- Autumn break: 17th Oct–21st Oct 2011 (week 42)
- Christmas break: 22nd Dec 2011–8th Jan 2012
- Winter break: 5th March–9th March 2012 (week 10)

1.3 Studies

Structure of studies

The extent of the Bachelor's degree is 240 ECTS credits. The degree studies consist of the basic studies, professional studies, elective studies, practical training and Bachelor's thesis. According to the curriculum, one year of studying yields 60 ECTS credits, which corresponds to a student's workload of 1,600 hours. The student's workload consists of direct contact teaching, distance learning and independent studying, working in a project studio or workshop, online learning and practical training. Furthermore, research and development activities based on the needs of working life are integrated into the studies.

Table 1. Structure of studies in the degree programme in Design

	Extent	Description of studies
Basic studies	47 ECTS	Basic studies are common to all students in the degree programme in Design. During the basic studies, the student will become acquainted with studying at a university of applied sciences, as well as with the objectives and content of studies. The student will acquire the basic knowledge and skills of arts and visual expression, creative work, design and product development. The basic studies create the basis for the development of the student's expertise, responsible work and the development of language and communication skills.
Common professional studies	40 ECTS	During the common professional studies, all students in the degree programme will become acquainted with the planning competence required by the design process. The common professional studies comprise two alternatives, of which the student shall complete one in accordance with the requirements of his or her specialisation option. Some of the professional studies are implemented as studies taking place in projects and project studios. Studies completed abroad can be included in the common professional studies.
Professional studies of specialisation option 68 ECTS **Advanced professional studies 10 ECTS**	78 ECTS	During the professional studies of the chosen specialisation option, the student will deepen his or her design competence and examine the design process in accordance with the specialisation option from the perspective of the design methods, concept design, materials used, manufacturing techniques and professional practices. Applied design method studies as well as research, development and innovation activities will be connected with the professional studies. Studies completed abroad can be included in the professional studies of the specialisation option. Some of the professional studies of the specialisation options will be implemented as studies taking place in projects and project studios. During the advanced studies, the student will develop his or her expertise in accordance with the specialisation option. The advanced professional studies constitute the interface between the studies, thesis and working life, where the student can test and practice his or her abilities before preparing the thesis. Some of the professional studies of the specialisation options will be implemented as studies taking place in projects and project studios.
Alternative professional studies	20–30 ECTS	The alternative professional studies provide the student with the possibility of deepening or widening his or her competence.
Elective studies	0-10 ECTS	The student will widen his or her competence with the elective studies. The elective studies may be provided by the degree programme, or they may be studies that the student has completed elsewhere and that meet the standards of higher education and are suitable for the degree programme. Studies chosen elsewhere shall meet the standards of the universities of applied sciences.

Practical training	30 ECTS	During the practical training, the student will become acquainted with practical work activities, and he or she will acquire the abilities to choose, use and apply various practices and working methods. During the practical training, he or she will also learn to develop new solutions and the quality of the activities, based on the needs of customers and working life. The practical training prepares the student for the requirements of working life by deepening his or her professional competence and helps the student to find employment corresponding to the field of study and specialisation option. As regards practical training, the student is responsible for • searching for a training place and preparing the objectives of the practical training • completing the practical training in accordance with the practical training plan • reporting on the practical training.
Thesis	15 ECTS	In his or her thesis, the student will specialise and deepen his or her professional and research competence in a specialised field of design. The thesis is usually prepared in cooperation with working life, and it involves a practical planning, product development or research project and a written research report. The thesis is the student's working and learning process that is supported, supervised and evaluated by experts. During the thesis process, the student is responsible for • searching for an idea for the thesis and a working life contact • becoming familiar with the task area of the thesis and determining the task • carrying out the determined task • finalising the thesis and preparing the information material. The thesis provides the student with an opportunity for networking in his or her own field and for a smooth entry into working life.
Total	240 ECTS	

Annual topics of instruction

The development of the content of the student's expertise is described with the competence objectives for each year of studies. The annual competence objectives help the students, teachers and working life representatives to understand the various phases in the development of professional expertise.

Table 2. Annual topics and competence objectives in the degree programme in Design

	Annual topic and subtopic	Competence objectives
1st year	***Basics of design competence – As a learner in a planning project 60 ECTS***	The student can perceive his or her position as a professional beginner in the field of design and will understand the significance and possibilities of design in society, industry and commerce.
2nd year	***Development of design competence – As a responsible operator in a planning project 60 ECTS***	The student will find a suitable responsible role in professional teamwork. The student will know the basic process of project work, is able to set objectives for his or her work and can interact with the project team and customers.
3rd year	***Deepening of design competence – Versatility and professional networks 60 ECTS***	The student will know various areas of project work and can act constructively in multiprofessional cooperation. The student can find out about a customer's needs that constitute the basis of customer services. He or she can interact with the members of the project team, the customer or different user groups. The student will know the basic process of user-driven development activities and can set objectives for it.
4th year	***Application of design competence – As an independent expert in planning 60 ECTS***	The student will demonstrate his or her command of design work as a professional beginner. He or she will understand the practices and cultures of different communities. He or she can act as an active member in a work community and as a superior with initiative. The student will demonstrate during the thesis process that he or she commands the investigative approach and can combine theoretical information with the examination of practical phenomena and with creative development work.

The annual topics tell about the student's growth from a novice into an expert in his or her own field. During the studies, the student shall prepare an individual study and career plan (ISCP) to support his or her studies. Previously acquired competence is recognised and the plans concerning the choice of studies are included in this plan. Savonia's electronic ISCP is used in the preparation of the individual study plan. The construction of the student's study path and career development is guided by teachers, peer groups and supervising personnel. For each student, we designate a teacher tutor who, in addition to his or her teaching duties, supervises the development of the student's expertise

throughout the degree studies. The teacher tutor conducts an annual ISCP discussion with the students, specifying the current choices of studies and examining the progress of studies. Before the ISCP discussion with the teacher tutor, the students shall themselves evaluate their development of expertise with the help of the competences and annual competence objectives. Every student at a university of applied sciences is responsible for the planning and progress of his or her studies.

Implementation of degree programme

Education at Savonia is guided by OIS. This way of thinking combines high-quality learning and instruction, as well as research and development activities based on the needs of working life. OIS is short for Open Innovation Space. The student is an active operator, and he or she works in various premises, groups, communities and online learning environments. Students from different fields, teachers, those in charge of research and development tasks and working life representatives all carry out different tasks arising from the professional practice of the field. This way, studying combines both theory and practice.

Youth education leading to a degree in the Design degree programme takes place during the day. It is not possible to complete the studies entirely in addition to a regular job. According to the course schedules, direct contact teaching is usually provided between 8.00 am and 4.30 pm. The student's right and obligation to participate in instruction is determined in the implementation plan of each course.

The implementation of the degree programme comprises several perspectives of learning and instruction. The learning perspectives rely particularly on problem-based learning and project learning where the students have an active role in the construction and creation of information. Elements of project learning include projects close to working life, combining subjects into large integrated entities and learning in a group. The implementation of the degree programme resembles a design process, as well as the work of professionals acting in various roles throughout a project. The implementation of the studies is guided by a continuum of project studios, which advances from one semester to another and whose professional objects deepen in the course of time. In the project studios, the students work in various roles in accordance with their levels of competence.

Learning environment

The learning environment in the degree programme in Design is constituted by various studios, computer rooms, workshops and laboratories, where practical product development and design activities take place. Part of the learning environment is constituted by the network of working life, educational institutions and research institutes. Taitemia's library services are available for independent studying and information retrieval. At Savonia University of Applied Sciences, online instruction is mainly implemented using the web-based Moodle learning environment.

Academic advising and supervision

All advising and student supervision aims to support the student's time management and self-evaluation skills and, hence, to improve his or her abilities for continuous learning. Student supervision is implemented in accordance with the annual schedule of the degree programme.

Student supervision is implemented in four areas: guidance related to learning and studying, professional development and career planning, guidance related to personal growth and development, as well as provision of information and advice.

Assessment and feedback

Evaluation in the degree programme in Design is integrated into learning. It guides and develops learning and continues throughout the study path. The evaluation focuses on competence and learning outcomes, learning process and development of the student's expertise.

Evaluation of the learning process

The evaluation takes place as a self-evaluation by the student, as well as an evaluation made by the teacher. The learning process is evaluated in a comprehensive manner so that the student has, subject to agreement, the possibility of choosing an individual way of examining his or her learning. Feedback obtained from the students is significant in the development of the degree programme.

Evaluation of learning outcomes and competence

The evaluation consists of self-evaluations by the student and groups, peer evaluations and evaluations made by the teachers. As the studies progress, the student will obtain feedback on his or her competence also from representatives of working life and various professional networks. Completion of studies, in accordance with the curriculum, is a prerequisite for the evaluation.

Passed grades are as follows: excellent (5), very good (4), good (3), satisfactory (2) and adequate (1); the expression “pass” (S) may also be used. Previously acquired competence is transferred as such and indicated with the letter H. Data on completed courses is entered into the study record of Savonia University of Applied Sciences.

The ECTS grading scale can be used as tool to convert Savonia’s grades to ECTS grades.

ECTS grading scale	Savonia UAS grading scale
A excellent	5 excellent
B very good	4 very good
C good	3 good
D satisfacotry	2 satisfactory
E sufficient	1 sufficient
FX fail	0 fail
F fail	fail is not specified

Working life contacts

In the degree programme in Design, the contacts and cooperation with working life aim to provide the students with opportunities for acting in professional tasks and networking before graduation. Study-related working life contacts materialise through the project studies, practical training, service activities and thesis, as well as through the Career and Recruitment Services. The Kuopio Academy of Design manages a Design Forum whose project planning officers accept assignments, negotiate on projects, conclude agreements and incorporate new projects into instruction. Assignments are incorporated into instruction also through the academic staff and the students completing their practical training.

Learning Agreement

Learning agreement is an individual study plan made for the exchange student and accepted by the sending and receiving institutions. Exchange students should make preliminary course selections before arriving in Kuopio, if possible. The selection of courses are confirmed at the beginning of the exchange.

The studies proceed according to the time table specified each year. A personal study plan is made for each student in which earlier equivalent studies as well as the studies chosen by the student are taken into account.

Credits

The extent of the course is defined as a number of credits. A full study year equals 60 ECTS credits. One Study Module equals 15 ECTS credits.

Learning Methods

There are several ways of studying at Kuopio Academy of Design. Many traditional methods such as lectures, design exercises, discussions, written individual and group assignments, presentations, etc are used. In addition, some courses are closely linked to projects with real design business and some courses are taught by using the progressive learning method.

Examinations

Students do not need to register for those exams which are part of their ordinary courses they are attending. The teacher informs the students about the date and time and the students can participate without further notice. The results of the examinations are announced within three weeks.

Certificate

After the exchange, the student will receive a transcript of his/ her studies.

INSTRUCTION PROVIDED BY THE KUOPIO ACADEMY OF DESIGN

2 DPPY BASIC STUDIES IN DESIGN 47 ECTS

DPPY10 Orientation to Studies at a University of Applied Sciences 8 ECTS

DPPY100 Development of Study Skills and Expertise 3 ECTS

The student will learn the system used at the universities of applied sciences, become familiar with the learning community and be acquainted with the support services that promote studying and with study guidance. The student will become acquainted with studying at a university of applied sciences, the degree programme in Design, the curriculum, the structure of studies, the evaluation of the study performances, the feedback system, the international activities of the unit and the competence areas of the graduates from the degree programme. The student will become capable of target-oriented studying and utilising the opportunities provided by the learning environment. The student will learn the information retrieval process from the emergence of needs for information up to the use and evaluation of information. The student will learn the information compilation methods that are typical of the field of design. He or she will become capable of using the most essential techniques of information retrieval and applying them in his or her information retrieval process. The student will be able to plan his or her studies (ISCP) and set personal learning objectives. The student will acquire job seeking skills. He or she will become capable of evaluating his or her professional development, as well as presenting and marketing his or her design competence.

DPPY110 Basics of Information and Communication Technology 5 ECTS

The aim of the course is to make the student capable of using the basic tools of information and communication technology in an appropriate manner in his or her own work. The student will learn to analyse information and present his or her competence with digital tools.

A student who has completed the course will (core content)

- use the basic tools of information and communication technology in an appropriate manner in his or her studies and work
- analyse information and present his or her competence with digital tools.

A student who has completed the course will (supplementary content)

- independently update his or her competence in the use of the basic tools of information and communication technology.

DPPY20 Communication Skills 1, 9 ECTS

DPPY200 Basic Communication Skills 4 ECTS

The student will understand the importance of written and oral expression in professional activities. He or she will focus on developing his or her communication skills and his or her competence in written documentation and oral presentation.

A student who has completed the course will (core content)

- learn the basics of written and oral reporting and presentation
- develop his or her own work.

A student who has completed the course will (supplementary content)

- communicate his or her objectives and practices to others both orally and in writing
- contemplate the opportunities provided by his or her professional orientation
- work in a group in an appropriate and interactive manner.

DPPY210 Visual Communication and Photography 5 ECTS

The student will perceive the communicative content and structure of an image and the means of interaction, and understand the significance of the contextuality of an image. He or she will learn expressive and communicative means of visual language. He or she will understand the significance of light, colour, movement and composition as basic elements of the language of photography.

A student who has completed the course will (core content)

- learn the basics of camera techniques and their impact on the expressiveness of photography
- apply what he or she has learned from the perspectives of the use and interpretation of an image.

A student who has completed the course will (core content)

- creatively apply what he or she has learned to the documentation of his or her own work and to his or her professional communication.

DPPY30 Basics of Design 9 ECTS

DPPY300 Visual Skills 1, 3 ECTS

The student will develop his or her skills of observation and perception and learn to express form, movement, light and space by means of drawing. He or she will learn to use drawing as a tool for creative work, design and presentation.

A student who has completed the course will (core content)

- learn basic drawing techniques
- represent space and form as a two-dimensional presentation
- apply drawing techniques in a variety of ways.

A student who has completed the course will (supplementary content)

- learn the principles of visual composition and their impact on the content, expressiveness and form of an image
- perceive visually by means of observation and sketching
- understand the significance of visual thinking.

DPPY310 Basics of Creative Work and Design 3 ECTS

The student will perceive his or her opportunities in creative professions, and his or her individual capabilities for creative work will develop.

A student who has completed the course will (core content)

- use different methods and techniques in the creation and development of ideas
- document and save the ideas for subsequent use.

A student who has completed the course will (supplementary content)

- apply the methods he or she has learnt and develop them further in his or her own work.

DPPY320 English Language and Communication 3 ECTS

The student will understand the importance of oral and written skills in English language and communication and will focus on developing his or her language skills. He or she will understand the significance of formal models of language usage in working life.

A student who has completed the course will (core content)

- express his or her competence in English, both orally and in writing
- edit information obtained from various sources of the field into an oral and written presentation in English
- describe products, product design and manufacture
- use the essential professional terminology.

A student who has completed the course will (supplementary content)

- act in multicultural working life situations of communication and interaction requiring both written and oral skills in English.

DPPY40 Visual Competence and Communication Skills 2, 10 ECTS

DPPY400 Composition of Form and Space 1, 3 ECTS

The student will develop his or her skills for perceiving and composing three-dimensional forms and spaces. He or she will become familiar with the basic materials and methods of plastic composition and sculpture.

A student who has completed the course will (core content)

- observe a three-dimensional form
- learn the basics of three-dimensional composition
- analyse his or her own work.

A student who has completed the course will (supplementary content)

- develop his or her visual thinking and expression by studying the interaction between shape and material, as well as space, light, substance and movement
- utilise his or her skills for the purpose of generating visual perceptions.

DPPY410 Visual Skills 2, 3 ECTS

The student will develop his or her visual thinking capacity and become familiar with colours and phenomena related to them at different levels. The student will learn to apply means of expression through colours.

A student who has completed the course will (core content)

- learn the basics of chromatics and colour composition (observation of colours, colour composition, interaction between colours)
- apply contents related to painting techniques.

A student who has completed the course will (supplementary content)

- apply visual thinking in a creative way
- learn the principles governing the behaviour of colours and their impact on visual narration, expression and environment.

DPPY420 Swedish Language and Communication 4 ECTS

The student will understand the importance of oral and written skills in Swedish language and communication and will focus on developing his or her language skills. He or she will understand the significance of formal models of language usage in working life.

A student who has completed the course will (core content)

- express his or her competence in Swedish, both orally and in writing
- edit information obtained from various sources of the field into an oral and written presentation in Swedish
- describe products, product design and manufacture
- use the essential professional terminology.

A student who has completed the course will (supplementary content)

- act in working life situations of communication and interaction requiring both written and oral skills in Swedish.

DPPY50 Design and Society 11 ECTS

DPPY500 Art History 5 ECTS

The student will obtain a general idea of the history of both Western and Finnish visual art, architecture and design. He or she will understand the importance of history and continuous change to his or her own field and become familiar with the foundations and basic concepts of futurology.

A student who has completed the course will (core content)

- understand how visual art, architecture and design are connected with social and cultural change
- retrieve information on the history of art, design and culture.

A student who has completed the course will (supplementary content)

- distinguish phenomena in the environment under examination that have an impact on the birth of visual, cultural and commercial trends.

DPPY510 Business in the Field of Design 3 ECTS

A student who has completed the course (core content) will

- understand his or her activities from a business perspective
- become acquainted with the basics of marketing, business administration and entrepreneurship
- acquire abilities to analyse enterprises and his or her own field
- become capable of preparing a competitive business idea
- be prepared to act as a professional who is familiar with commercial thinking.

A student who has completed the course will (supplementary content)

- understand what customer orientation is and what a competitive advantage consists ofknow the measures related to the establishment of an enterprise and the various areas related to business activitieslearn to design and implement an independent sales event that includes customer-oriented, comprehensive product design, pricing and practical training in sales
- be prepared to act as a determined entrepreneur who is capable of negotiating or as an employee with an entrepreneurial spirit.

DPPY520 Composition of Form and Space 2, 3 ECTS

A student who has completed the course will (core content)

- learn the principles of spatial composition
- observe and study the material and natural environment as a source of ideas
- represent and compose space and form as sketches, presentations and three-dimensional handmade mock-ups.

A student who has completed the course will (supplementary content)

- use and apply observations with an insight in design tasks.

3 DAYT COMMON PROFESSIONAL STUDIES IN PRODUCT DESIGN 40 ECTS

Study Modules Common to all Jewellery Design, Interior Architecture and Furniture Design and Industrial Design Students

DAYT10 Experimental Material Workshop 10 ECTS

DAYT100 Construction Design 2 ECTS

The course aims to provide the student with the abilities to design and manufacture different material constructions.

A student who has completed the course will (core content)

- design simple, realistic constructions
- dimension and calculate materials.

A student who has completed the course will (supplementary content)

- examine the possibilities of the construction and material in respect to form
- design constructions in accordance with the principles of sustainable development.

DAYT110 Wood Workshop 2 ECTS

The student will understand the significance and possibilities of wood materials as production material.

A student who has completed the course will (core content)

- learn to recognise the most common wood types and wood materials and know their characteristics and uses
- work on and shape wood materials.

A student who has completed the course will (supplementary content)

- examine the characteristics of wood materials in respect to form and structure
- design and use wood materials in accordance with the principles of sustainable development.

DAYT120 Metal Workshop 2 ECTS

The student will understand the significance and possibilities of metal materials as production material.

A student who has completed the course will (core content)

- learn to recognise the most common metal wood materials and know their characteristics and uses
- work on, shape and join metal materials.

A student who has completed the course will (supplementary content)

- examine the characteristics of metal materials in respect to form and structure
- design and use metal materials in accordance with the principles of sustainable development.

DAYT130 Plastic Workshop 2 ECTS

The student will understand the significance and possibilities of plastic as production material.

A student who has completed the course will (core content)

- learn to recognise the most common plastic materials and know their characteristics and uses
- work on and shape plastic materials.

A student who has completed the course will (supplementary content)

- examine the characteristics of plastic materials in respect to form and structure
- design and use plastic materials in accordance with the principles of sustainable development.

DAYT140 Glass Workshop 2 ECTS

The student will understand the significance and possibilities of glass as production material.

A student who has completed the course will (core content)

- learn to recognise glass and know its characteristics and uses
- work on, shape and join glass.

A student who has completed the course will (supplementary content)

- examine the characteristics of glass in respect to form and structure
- design and use glass in accordance with the principles of sustainable development.

DAYT20 Product Design 10 ECTS

DAYT200 Product Design 7 ECTS

The student will understand the concept of a product, the significance of product design and the role of design in product development. It is essential to understand the operations and challenges of versatile product development.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- act in a process-like manner in a product design task
- apply visual representation methods during the design process

A student who has completed the course will (supplementary content)

- analyse the stages of product design and the resources needed for the work
- define a product design assignment.

DAYT200A Basics of Product Design 4 ECTS

The student will be able to define the objective of a product design task, know various creative work methods and produce alternative solutions, taking the principles of sustainable development into consideration.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- apply visual representation methods during the design process.

A student who has completed the course will (supplementary content)

- acquire information on existing solutions and evaluate them
- analyse the stages of product design and the resources needed for the work.

DAYT200B Theory of Design (literature) 2 ECTS

The student will understand the content and significance of written material dealing theoretically with design and will be interested in developing his or her knowledge of design.

A student who has completed the course will (core content)

- search for and read material dealing with design
- develop his or her own work.

A student who has completed the course will (supplementary content)

- compile and compare materials
- contemplate the opportunities provided by his or her professional orientation.

DAYT200C Applied RDI Method Exercises 1 ECTS

The student will learn and understand why research, development and innovation (RDI) activities are important and how different methods can be applied in the field of design.

A student who has completed the course will (core content)

- learn to recognise different methods
- act in a group
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define what methods can be used in the design process
- actively use those methods.

DAYT210 Presentation Techniques 2D/3D, 3 ECTS

The student will understand the significance of presentation techniques in professional activities and will focus on developing his or her technical and doctrinal competence in presentation techniques.

A student who has completed the course will (core content)

- create presentations suitable for concept design using pens
- work on presentations with an image processing program.

A student who has completed the course will (supplementary content)

- compile visual presentations for the design process
- independently develop his or her competence in presentation techniques.

DAYT30 Model Workshop 10 ECTS

DAYT300 Model Construction 5 ECTS

The student will understand the significance of model manufacture and use in professional activities and will focus on developing his or her model construction skills and design competence.

A student who has completed the course will (core content)

- manufacture models for different stages of the design process
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define characteristics of models and design their manufacture
- learn where and how it is possible to have models manufactured.

DAYT310 Modelling, Interior Architecture 5 ECTS

The student will understand the principles of modelling in different dimensions and the significance of its use in professional activities and will focus on developing his or her modelling skills and design competence.

A student who has completed the course will (core content)

- create three-dimensional models
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define objectives for modelling and plan his or her own work
- learn what kinds of computer-aided programs and methods can be used in modelling.

DAYT320 Modelling, Industrial Design 5 ECTS

The student will understand the principles of modelling in different dimensions and the significance of its use in professional activities and will focus on developing his or her modelling skills and design competence.

A student who has completed the course will (core content)

- create three-dimensional models
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define objectives for modelling and plan his or her own work
- learn what kinds of computer-aided programs and methods can be used in modelling.

DAYT330 Modelling, Jewellery and Precious Metalwork Design 5 ECTS

The student will understand the principles of modelling in different dimensions and the significance of its use in professional activities and will focus on developing his or her modelling skills and design competence.

A student who has completed the course will (core content)

- create three-dimensional models
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define objectives for modelling and plan his or her own work
- learn what kinds of computer-aided programs and methods can be used in modelling.

DAYT40 User, Product, Environment 10 ECTS

DAYT400 User-Oriented Design 1, 4 ECTS

Consideration of usability and ergonomics in the design of products and services is line with the principles of good design. The aim of the course is to acquaint the student with the basic concepts of user-oriented design and to make him or her familiar with the methods most frequently used to analyse usability.

A student who has completed the course will (core content)

- acquire information on ergonomics from various sources and apply this information to design tasks

- apply the most frequently used methods of evaluating and testing usability in design tasks
- explain the basic terminology and methodology of usability and user-oriented design.

A student who has completed the course will (supplementary content)

- give examples of the significance of usability and the application of user-oriented design principles in the product design process.

DAYT410 Material and Manufacturing Technology, Interior Architecture 6 ECTS

The student will understand the principles of modelling in different dimensions and the significance of its use in professional activities and will focus on developing his or her modelling skills and design competence.

A student who has completed the course will (core content)

- create three-dimensional models
- develop his or her own work.

A student who has completed the course will (supplementary content)

- define objectives for modelling and plan his or her own work
- learn what kinds of computer-aided programs and methods can be used in modelling.

DAYT420 Material and Manufacturing Technology, Industrial Design 6 ECTS

A student who has completed the course will (core content)

- examine the possibilities and limitations of essential industrial materials and production methods in product design.

A student who has completed the course will (supplementary content)

- manufacture models from metal, wood and plastic products and learn to examine the environmental impact of the choices he or she makes.

DAYT430 Material and Manufacturing Technology, Jewellery and Precious Metalwork Design 6 ECTS

The student will understand the possibilities and limitations of materials and production methods in the form production and manufacturing processes.

A student who has completed the course will (core content)

- utilise the possibilities of materials and production methods in the process of jewellery form production
- apply his or her knowledge, skills and technology in the jewellery manufacturing process
- examine the factors related to the recycling of materials.

A student who has completed the course will (supplementary content)

- interact and communicate his or her expertise with partners
- evaluate his or her development as a designer.

4 DAKM PROFESSIONAL STUDIES IN JEWELLERY DESIGN 68 ECTS

DAKM10 Project Studio "Forms and Materials" 7 ECTS

DAKM100 Basics of Product Design and Project Management 3 ECTS

The student will learn the basic principle of project work and be able to act under supervision in a project. The student will understand the importance of a portfolio as a way of communicating his or her expertise and its significance in the documentation of learning processes.

A student who has completed the course will (core content)

- work in accordance with the methods of project work
- apply design and problem-solving methods of his or her own field
- acquire information and apply it to his or her own work
- utilise visual expression in the presentation of materials, surface and forms.

A student who has completed the course will (supplementary content)

- examine the cultural factors underlying design and interpret contemporary phenomena and values with means of design
- observe, use and evaluate colour and forms and the relations between them as a basis for design work.

DAKM110 Material and Manufacturing Technologies 4 ECTS

The student will learn the characteristics of precious and copper metals, master the most important handicraft methods in the product manufacturing process and learn the occupational safety factors related to the manufacturing process. The student will be able to use visual means when applying various materials and manufacturing methods.

A student who has completed the course will (core content)

- work on precious metals and other metals with the basic working methods of the precious metal sector
- manufacture jewellery with the manufacturing methods of goldsmithery
- work in accordance with the methods of project work and pay attention to the occupational safety factors in his or her own work.

A student who has completed the course will (supplementary content)

- observe, use and evaluate colour and forms and the relations between them as a basis for design work
- acquire information and apply it to his or her own work.

DAKM20 Project Studio 1 "Product as a Message" 6 ECTS

DAKM200 Modelling of Form 3 ECTS

The student will understand the importance of form production as part of the product design process and know the communicative possibilities of form as part of product communication.

A student who has completed the course will (core content)

- use different model construction, modelling and visualisation methods as part of the design process and apply them in the professional tasks of his or her own field
- apply the possibilities of form, materials and manufacturing methods in the design process.

A student who has completed the course will (supplementary content)

- examine the opportunities provided by internationality for the development of his or her own expertise
- utilise aesthetics in his or her own work.

DAKM210 Form Manufacturing Technology 3 ECTS

The student will understand the mutually influencing factors of form, materials and manufacturing methods in the product design process and learn the possibilities of applying different modelling methods in the manufacturing process.

A student who has completed the course will (core content)

- apply the opportunities provided by modelling methods in the product manufacturing process.

A student who has completed the course will (supplementary content)

- utilise aesthetics in his or her own work.

DAKM30 Project Studio 2 “Product as a Message” 7 ECTS

DAKM300 Application of Manufacturing Technology 3 ECTS

The student will understand the relative impact of form and materials on the manufacturing methods and the operational characteristics of the product.

A student who has completed the course will (core content)

- use the opportunities provided by technology in the form production process
- learn the possible production methods for manufacturing a precious metal product industrially.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- interact and communicate his or her expertise in a variety of ways.

DAKM310 Analysis and Presentation of Form 2 ECTS

The student will understand the significance of form production as part of the product design process and learn the opportunities provided by a three-dimensional form in products as a carrier of meanings. The student will understand the basics of user-oriented design methods and be able to apply them in his or her design work.

A student who has completed the course will (core content)

- use design methods of his or her own field
- use the basic tools of the precious metal sector
- apply user-oriented design methods in practice
- work in accordance with the methods of project work
- make form analyses of products of the jewellery and precious metal sector.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- interact and communicate his or her expertise in a variety of ways.

DAKM320 History of Jewellery Design 2 ECTS

The student will gain an overall picture of the history of jewellery design and the factors that influenced its development. (core content)

The student will learn to recognise the most essential products of jewellery design and understand the thinking underlying their design. (supplementary content)

DAKM40 Form, Production and Functionality 10 ECTS

DAKM400 Design of Precious Metal Products 3 ECTS

The student will understand the significance of usability and aesthetics as a product characteristic, as well as the possibilities and limitations of materials and production methods in the form production process.

A student who has completed the course will (core content)

- analyse the influential relations between usability, aesthetics, form and manufacturing methods and apply them in the design process
- utilise the possibilities of technology as part of the design process

A student who has completed the course will (supplementary content)

- utilise the possibilities of technology for communicating on his or her competence
- evaluate and develop his or her competence and learning methods.

DAKM410 Productive and Applied Manufacturing Methods 3 ECTS

The student will understand the possibilities and limitations of production methods based on the plastic characteristics of metal, and those of digital technology.

A student who has completed the course will (core content)

- examine the possibilities and limitations of industrial manufacturing methods as part of the design process
- utilise the possibilities of digital technology in the product manufacturing process.

A student who has completed the course will (supplementary content)

- interact and communicate his or her expertise with partners
- evaluate his or her development as a designer.

DAKM420 Manufacturing Technology 1, 4 ECTS

The student will understand the possibilities and limitations of form production methods based on the plastic characteristics of metal, apply them in his or her own work and develop his or her three-dimensional thinking.

A student who has completed the course will (core content)

- use the possibilities of slab techniques and the plastic form production techniques applicable to metal in the product manufacturing process
- utilise various finishing methods as part of the manufacturing process

A student who has completed the course will (supplementary content)

- communicate his or her expertise with his or her products
- contemplate the opportunities provided by his or her professional orientation.

DAKM50 Project Studio “Commercialisation” 10 ECTS

DAKM500 Basics of Commercialisation 3 ECTS

The student will understand the importance of the commercialisation process related to the placing of products on the market to business activities.

A student who has completed the course will (core content)

- search for information in a reflective manner
- interact with partners and communicate his or her expertise in a variety of ways
- produce marketing material that is of visually high quality
- work independently in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- evaluate his or her development as a designer.

DAKM510 Product Photography and Commercialisation of Manufacturing 4 ECTS

The student will understand the significance of commercialisation to the price and quality of a product. He or she will be aware of the importance of product photography as part of portfolio work and product-related marketing material.

A student who has completed the course will (core content)

- reflect on information
- apply his or her knowledge and skills in the product manufacturing process
- interact with partners and communicate his or her expertise in a variety of ways
- produce marketing material that is of visually high quality
- learn the basics of product photography.

A student who has completed the course will (supplementary content)

- evaluate his or her development as a designer
- perceive the significance of marketing material as part of the corporate image.

DAKM520 Visual Skills 3, 3 ECTS

The student will develop his or her visual thinking capacity through drawing from a live model. He or she will learn to prepare visual presentations based on observation and examination.

A student who has completed the course will (core content)

- examine forms and anatomic structures at different levels (dynamics of a shape, inner rhythm and living form)
- creatively apply drawing techniques and contents in his or her own work.

A student who has completed the course will (supplementary content)

- understand the significance of visual thinking
- analyse and visualise, in a controlled manner, the observations he or she has made.

DAKM60 Service, Product and User 10 ECTS

DAKM600 Product Design 1, 3 ECTS

The student will understand the significance of service and the user's needs as part of the product design process and business.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes
- work in accordance with the methods of project work

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- examine the impact and possibilities of internationalisation in his or her own work
- examine the cultural factors underlying design and interpret contemporary phenomena and values with means of design
- acquire information in a reflective and applied manner.

DAKM610 Manufacturing Technology 2, 7 ECTS

The student will understand operational models based on service and studio-type business activities and the challenges they pose to the manufacturing of products.

A student who has completed the course will (core content)

- utilise the possibilities of materials and production methods in the process of jewellery form production and manufacturing
- learn the basics of jewellery repairs
- learn the commercially significant jewellery stone types
- apply technically more demanding stone-setting techniques
- interact with customers and partners and communicate his or her expertise in a variety of ways.

A student who has completed the course will (supplementary content)

- examine the factors related to the recycling of materials
- evaluate his or her development as a designer

DAKM70 Context, Concept and Product Communication 10 ECTS

DAKM700 Product Design 2, 3 ECTS

The student will understand the modelling of user information as a basis of the design process, as well as the possibilities of communicative and interactive characteristics of jewellery and their importance as components of product concept creation. The student will be aware of the significance of documentation in investigative activities.

A student who has completed the course will (core content)

- utilise various user-oriented information retrieval methods and apply them in the design process
- apply the possibilities of three-dimensional forms in communications
- apply concept design to the process of collection design.

A student who has completed the course will (supplementary content)

- interact with partners and communicate his or her expertise in a variety of ways
- evaluate his or her development as a designer.

DAKM710 Manufacturing Technology 3, 4 ECTS

The student will understand the possibilities and limitations of precious metals, other materials and industrial manufacturing methods in the form production and manufacturing process.

A student who has completed the course will (core content)

- utilise the possibilities of technology in the form production process
- apply various industrial manufacturing methods in the manufacturing process
- use the characteristics of precious metals and other materials in the manufacture of aesthetically high-quality products.

A student who has completed the course will (supplementary content)

- interact with partners and communicate his or her expertise in a variety of ways
- evaluate his or her development as a designer.

DAKM720 Investigative and Developing Design Activities 3 ECTS

A student who has completed the course will (core content)

- use an investigative approach in tasks of his or her own field
- understand the underlying theoretical factors, various strategies applicable to RDI activities in the field of design and communication, as well as information retrieval, analytical and interpretation methods that are necessary in his or her own profession
- learn the requirements applicable to reports and other presentations and focus on them in his or her own work.

A student who has completed the course will (supplementary content)

- deepen the methodological command of RDI activities in his or her field of special competence.

DAKM80 Project Studio “Cooperation with Companies” 8 ECTS

DAKM800 Concept Design and Project Management 3 ECTS

The student will understand the significance and possibilities of concept design in the product design process.

A student who has completed the course will (core content)

- utilise planning and working methods of concept design in practice
- utilise visual representation methods
- manage his or her own project.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- examine the impact and possibilities of internationalisation in his or her own work
- understand the cultural factors underlying design and interpret contemporary phenomena and values with means of design
- acquire information in a reflective and applied manner.

DAKM810 Collection Manufacturing Process 3 ECTS

The student will understand the importance of form production, material and manufacturing methods for the finishing and visual appearance of the product.

A student who has completed the course will (core content)

- apply various manufacturing methods in an appropriate manner in the manufacturing of a collection
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- acquire information in a reflective and applied manner.

DAKM820 Applied Visual Studies 2 ECTS

A student who has completed the course will (core content)

- apply means and methods of visual expression to the work in his or her own field in an appropriate and creative manner
- utilise his or her visual competence in different stages of professional work, and as a tool for perception and creative work.

A student who has completed the course will (supplementary content)

- further develop his or her personal language of expression and strengthen his or her visual identity as a professional of design and communication.

5 DASM PROFESSIONAL STUDIES IN INTERIOR ARCHITECTURE AND FURNITURE DESIGN 68 ECTS

DASM10 Project Studio "Product Design" 7 ECTS

DASM100 Design Project 4 ECTS

Project Studio "Design Project" introduces the student to the use of different form production and model construction methods as a supporting tool for his or her own work and as a resource for project work.

A student who has completed the course will (core content)

- apply his knowledge and skills in the handling of materials
- manufacture finished formed pieces and models
- apply design and problem-solving methods of his or her own field
- acquire information and apply it to his or her own work.

A student who has completed the course will (supplementary content)

- plan the process stages
- handle materials in order to achieve the desired form
- observe, use and evaluate colour and forms and the relations between them as a basis for design work.

DASM110 CAD 1, 3 ECTS

During the design process, the student will present, analyse and document material for his or her own work and for partners. During this course, the student will compile two and three-dimensional model material made with 3D modelling into model material that is presented and archived for subsequent use.

A student who has completed the course will (core content)

- apply his or her knowledge in the analysis of form
- apply his or her knowledge and skills in the presentation of form
- document the produced material in an electronic form
- acquire information and apply it to his or her own work
- learn the basics of 3D modelling in surface modelling.

A student who has completed the course will (supplementary content)

- plan the stages of analysis and documentation
- edit the material into the desired form
- observe, use and evaluate colour and forms and the relations between them as a basis for design work.

DASM20 Project Studio "Structural Techniques" 6 ECTS

DASM200 Basics of Structural Techniques 2, 3 ECTS

The student will become familiar with principles applicable to the design of load-bearing structures and with loads on buildings and structures. The student will become familiar with the load-bearing structural system of a building and with the calculation of component loads. The student will become

familiar with the principles of standardisation applicable to structural design. The student will become familiar with drawings used on building sites, as well as designs based on CAD or information models.

A student who has completed the course will (core content)

- learn the principles applicable to the design of load-bearing structures and learn to determine the loads on buildings and structures
- design a load-bearing structural system for building and calculate the component loads
- learn the principles of standardisation applicable to structural design
- interpret drawings used on building sites, as well as designs based on CAD or information models.

A student who has completed the course will (supplementary content)

- learn to recognise the most essential structural systems of architecture and interior architecture and understand the thinking underlying their design.

DASM210 CAD 2, 3 ECTS

The student will become familiar with a program for property management and building simulation, principles applicable to the design of load-bearing structures and loads on buildings and structures. The student will become familiar with the load-bearing structural system of a building and with the calculation of component loads. The student will become familiar with the principles of standardisation applicable to structural design. The student will become familiar with drawings used on building sites, as well as designs based on CAD or information models.

A student who has completed the course will (core content)

- learn the basic commands of the CAD program and be able to draw, model and visualise with that program.

A student who has completed the course will (supplementary content)

- learn to recognise the most essential structure systems of architecture and interior architecture and understand the thinking underlying their design.

DASM30 Project Studio “Interior Architecture 1” 7 ECTS

DASM300 Spatial Design 1, 4 ECTS

A student who has completed the course will have an extensive knowledge of basic facts related to the design of a one-family house. He or she will be aware of the process of a house-building project. He or she will learn the content of building approval drawings and construction drawings for a one-family house and be able to sketch these.

A student who has completed the course will (core content)

- learn the basics of written and oral documentation and presentation
- develop his or her own work.

A student who has completed the course will (supplementary content)

- communicate his or her objectives and practices to others both orally and in writing
- contemplate the opportunities provided by his or her professional orientation.

DASM310 History of Interior Architecture and Furniture Design 3 ECTS

The student will gain an overall picture of the history of architecture, interior architecture and furniture design and the factors that influenced its development.

A student who has completed the course will (core content)

- learn to recognise the most essential buildings and furniture of architecture, interior architecture and furniture design.

A student who has completed the course will (supplementary content)

- examine the most essential buildings and furniture through the thinking underlying them.

DASM40 Structural Techniques 10 ECTS

DASM400 Basics of Structural Techniques 4 ECTS

During this course, the student will become familiar with the frame systems used in buildings. Furthermore, the student will become familiar with typical forms, sizes and the most frequently used joints of frame components as well as roof, external wall and internal wall elements. The student will become familiar with how building engineering relates to the frame of the building. He or she will also become familiar with the fire regulations and be able to apply them to the given examples. During the course, the student will also become acquainted with building approval drawings and construction drawings, as well as ductwork drawings.

A student who has completed the course will (core content)

- learn the frame systems used in buildings
- learn typical forms, sizes and the most frequently used joints of frame components as well roof, external wall and internal wall elements
- understand how building engineering relates to the frame of the building.
- learn the fire regulations and be able to apply them to the given examples
- prepare building approval drawings and construction drawings, as well as ductwork drawings
- master the basics of systematic information retrieval and know the essential information sources in his or her own field.

A student who has completed the course will (supplementary content)

- master the basics of systematic information retrieval and know the essential information sources in his or her own field.

DASM410 Basics of Furniture Design 3 ECTS

The essential aim is to develop the student's creative thinking and power of expression, as well as his or her operational and structural three-dimensional perception. The aim of the course is to provide knowledge and skills for the design of a piece of furniture that is manufactured in industrial serial production, durable in every respect and based on a strong conception.

DASM420 Model Workshop 1, 3 ECTS

The course provides the student with expertise in the working methods, machines, equipment and materials used in the manufacture of removable furniture, taking occupational safety issues into consideration. During the course, the student will develop his or her skills of manufacturing the prototype of a piece of removable furniture which he or she has designed.

DASM50 Project Studio “Interior Architecture 2” 10 ECTS

DASM500 Spatial Design 2, 3 ECTS

A student who has completed the course will have knowledge of basic facts related to the design of a one-family house. He or she will be aware of the process of a house-building project. He or she will know the content of building approval drawings and construction drawings for a one-family house and be able to prepare these.

A student who has completed the course will (core content)

- learn the basics of written and oral documentation and presentation
- develop his or her own work.

A student who has completed the course (supplementary content)

- communicate his or her objectives and practices to others both orally and in writing
- contemplate the opportunities provided by his or her professional orientation.

DASM510 CAD 3, 4 ECTS

The student will become familiar with information models prepared with a CAD program.

A student who has completed the course will (core content)

- learn about information models prepared with CAD modelling.

DASM520 Visual Skills 3, 3 ECTS

The student will develop his or her visual thinking capacity through drawing from a live model. He or she will learn to prepare visual presentations based on observation and examination.

A student who has completed the course will (core content)

- examine forms and anatomic structures at different levels (dynamics of a shape, inner rhythm and living form)
- creatively apply drawing techniques and contents in his or her own work.

A student who has completed the course will (supplementary content)

- understand the significance of visual thinking
- analyse and visualise, in a controlled manner, the observations he or she has made.

DASM60 Town Planning 10 ECTS

DASM600 Basics of Town Planning 3 ECTS

The student will become familiar with the essential concepts related to land use planning, the stages of the administrative procedure and town planning, as well as planning notations.

A student who has completed the course will (core content)

- learn the essential concepts of land use planning and the stages of the administrative procedure and town planning and be able to read town plans.

DASM610 Basics of Renovation 4 ECTS

During the course, the student will become familiar with the foundations and research methods of renovation. The student will apply the methods in building and structural design, as well as indoor space design and building site tasks.

A student who has completed the course will (core content)

- learn the foundations and research methods of renovation and be able to apply them in building and structural design, as well as building site tasks.

A student who has completed the course will (supplementary content)

- communicate his or her objectives to others orally and by way of visualisation and technical drawings.

DASM620 Public Interior Design 3 ECTS

A student who has completed the course will have knowledge of the regulations and instructions applicable to air raid shelters, stair halls and lifts. He or she will know their typical structures and also the structures and coatings of balconies and ceilings, as well as various partition types. He or she will understand the principles of sound insulation and sound absorption and know the soundproofing capacity of the most usual structures. He or she will be able to write the building specifications of a public interior.

A student who has completed the course will (core content)

- learn the basics of written and oral documentation and presentation
- develop his or her own work.

A student who has completed the course will (supplementary content)

- communicate his or her objectives and practices to other both orally and in writing

DASM70 Furniture and Building Product Design 10 ECTS

DASM700 Public Interior Furniture and Constructions 4 ECTS

The aim of the course is to acquaint the students with the design and industrial manufacture of different public interiors, their fixtures and different constructions, as well as legislation. The student will become familiar with the coating materials and constructions of interiors and fixtures.

DASM710 Model Workshop 2, 3 ECTS

The student will learn the building materials commonly used in furniture and construction industries and be able to work on them. During the course, the student will deepen his or her model construction skills by manufacturing a prototype of a product he or she has designed.

DASM720 Investigative and Developing Design Activities 3 ECTS

A student who has completed the course will (core content)

- use an investigative approach in tasks of his or her own field
- understand the underlying theoretical factors, various strategies applicable to RDI activities in the field of design and communication, as well as information retrieval, analytical and interpretation methods that are necessary in his or her profession

- learn the requirements applicable to reports and other presentations and be able to consider them in his or her work.

A student who has completed the course will (supplementary content)

- deepen the methodological command of RDI activities in his or her field of special competence.

DASM80 Project Studio “Interior Architecture 3” 8 ECTS

DASM800 Lobby Spaces, Entrances and Fixtures 3 ECTS

Design of fixtures from the perspective of constructions and ergonomics, as well as public interior coatings and their characteristics. The student will learn what impact the ergonomics of fixtures and the public interior coatings have on an entity to be designed. The aim of the course is to acquaint the students with the industrial basic principles governing the design and manufacture of public interiors and their fixtures. The course will improve the students’ professional communication skills and knowledge of coating materials. The students will become familiar with the basic principles related to the design and ergonomics of fixtures and the selection of materials.

A student who has completed the course will (core content)

- be able to design fixtures.

DASM810 CAD 4, 3 ECTS

The student will become familiar with contract presentations and visualisation made with a CAD program.

A student who has completed the course will (core content)

- gain knowledge of contract presentations and visualisation made with CAD modelling.

DASM820 Applied Visual Studies 2 ECTS

A student who has completed the course will (core content)

- apply means and methods of visual expression to the work in his or her own field in an appropriate and creative manner
- utilise his or her visual competence in different stages of work, and as a tool for perception and creative work.

A student who has completed the course will (supplementary content)

- further develop his or her personal language of expression and strengthen his or her visual identity as a professional of design and communication

6 DAIM PROFESSIONAL STUDIES IN INDUSTRIAL DESIGN 68 ECTS

DAIM10 Project Studio “Product Design” 7 ECTS

DAIM100 Manufacture of Form Models 4 ECTS

Two and three-dimensional models are useful in a design process – in the conduct of design work, testing of form and presentation of form alike. Through concrete work with the material, the observation of forms and measurements will take place using the senses of touch and sight. During this course, models are manufactured with handicraft-like methods using machines.

A student who has completed the course will (core content)

- apply his knowledge and skills to the handling of materials
- manufacture finished formed pieces and models
- apply design and problem-solving methods of his or her own field
- acquire information and apply it to his or her own work.

A student who has completed the course will (supplementary content)

- plan the process stages
- handle materials in order to achieve the desired form
- observe, use and evaluate colour and forms and the relations between them as a basis for design work.

DAIM110 Form Analysis, Presentation and Documentation 3 ECTS

During the design process, the student will present, analyse and document material for his or her own work and for partners. During this course, the student will compile concrete two and three-dimensional model material that is presented and archived for subsequent use.

A student who has completed the course will (core content)

- apply his or her knowledge in the analysis of form
- apply his or her knowledge and skills in the presentation of form
- document the produced material in an electronic form
- acquire information and apply it to his or her own work.

A student who has completed the course will (supplementary content)

- plan the stages of analysis and documentation
- edit the material into the desired form
- observe, use and evaluate colour and forms and the relations between them as a basis for design work.

DAIM20 Project Studio “Usability” 6 ECTS

DAIM200 Project Work "Ergonomics and Usability" 4 ECTS

The student will understand the importance of design technology as part of the product design process and know the significance of different modelling methods as a tool for form evaluation.

A student who has completed the course will (core content)

- use different model construction, modelling and visualisation methods as part of the design process and apply them to the presentation and examination of ergonomics and usability
- apply the possibilities of form, materials and manufacturing methods in his or her own work
- apply user-oriented design methods in his or her own work
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- pay attention to the opportunities provided by internationality for the development of his or her expertise
- utilise accessibility in his or her own work.

DAIM210 Manufacture and Reporting of Usability Models 2 ECTS

In design work, the suitability of dimensioning and form can be best examined with 1:1 models. In order to manufacture an appropriate model, the designer must have sufficient knowledge of materials and working methods.

A student who has completed the course will (core content)

- use different model construction, modelling and visualisation methods as part of the design process and apply them to the presentation and examination of ergonomics and usability
- apply the possibilities of form, materials and manufacturing methods in his or her work
- apply user-oriented design methods in his or her own work
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- examine the opportunities provided by internationality for the development of his or her expertise
- utilise accessibility in his or her own work.

DAIM30 Project Studio “Design Technology” 7 ECTS

DAIM300 Modelling Project 4 ECTS

The student will prepare a modelling project under guidance using 3D modelling programs. Modelling can focus on the examination of the form and the visual appearance of the product or on the illustration of the structure and the activity. The produced material will be used in the presentation, marketing and manufacture of the product.

A student who has completed the course will (core content)

- use the 3D modelling program as well as the design methods and tools of his or her own field
- work in accordance with the methods of project work
- use the opportunities provided by technology in the form production process.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- interact and communicate his or her expertise in a variety of ways.
- learn the possibilities of applying rapid prototyping and NC techniques in different stages of product development.

DAIM310 Basics of Project Work and Manufacture of Models 3 ECTS

Planning and designing is a project-like activity. Familiarity with the basics of project planning and preparation of a project plan help the student to complete the exercises and later in working life. Competence in project planning constitutes a basis for project management. The designer either manufactures the models needed in the design project or has them manufactured using a method.

A student who has completed the course will (core content)

- learn the basics of project work
- manage his or her own work in a project
- plan, implement and report his or her contribution to the project under guidance
- act in the project group in an appropriate manner
- apply the principles of project work in practice under guidance
- learn different model construction methods and be able to search for service providers
- learn the possibilities of applying rapid prototyping and NC techniques in the manufacture of models.

A student who has completed the course will (supplementary content)

- communicate in a project both orally and in writing
- work in a project group in an appropriate and interactive manner with various actors
- use the opportunities provided by technology in the form production process.

DAIM40 User Interface Design 10 ECTS

DAIM400 Usability 4 ECTS

The student will understand usability design as a method that has an impact on the usability of a user interface and the experience of its user.

A student who has completed the course will (core content)

- learn principles of functional analysis of a user interface
- apply the methods of product semantics to a design task comprising a user interface.

A student who has completed the course will (supplementary content)

- examine the historical development of user interface technology
- design and apply a method for testing the usability of a user interface.

DAIM410 Product Visualisation 3 ECTS

Product visualisation is a communication method that is utilised in product development and design processes and in marketing. Visual methods offer plenty of opportunities and are of great importance. Various forms of media can be utilised with them.

A student who has completed the course will (core content)

- present ideas and products related to the interactivity of a user interface in an appropriate manner
- use rapid and efficient 3D modelling and animation methods to illustrate and present ideas and contexts of use.

A student who has completed the course will (supplementary content)

- deepen his or her competence in the composition of an image, the perception of a three-dimensional form and the composition of lighting and arrangements
- develop theoretical knowledge of product visualisation

- analyse the possibilities of 3D modelling and animation communication methods in different stages of product development.

DAIM420 History of Modern Design 3 ECTS

The student will gain an overall picture of the history of modern and postmodern design and the factors that influenced its development.

A student who has completed the course will (core content)

- learn to recognise the most essential products of modern and postmodern design and their designers.

A student who has completed the course will (supplementary content)

- examine the thinking underlying the most essential products.

DAIM50 Future Workshop 10 ECTS

DAIM500 Project Work "Design Scenario" 4 ECTS

The student will understand the significance and possibilities of communication and various areas of design in product development and commercialisation.

A student who has completed the course will (core content)

- use methods suitable for scenario work under guidance
- search for information and examine it analytically and in a reflective manner
- interact with partners and communicate his or her expertise in a variety of ways
- produce marketing material that is of visually high quality.

A student who has completed the course will (supplementary content)

- evaluate his or her development as a designer
- define future scenarios of products and services.

DAIM510 Project Management, Documentation and Presentation 3 ECTS

The student will understand the principles of project management in theory and practice. The student will learn the concepts of project management and be able to act in projects independently. The student will have knowledge of the principles of presentation, public performance and reporting, as well as good practices.

A student who has completed the course will (core content)

- learn the principles and methods of project management
- plan a project and implement his or her contribution to the project
- apply the principles of project management independently
- communicate in a project in a professional manner, as well as report and present the results of the project.

A student who has completed the course will (supplementary content)

- work in a project group and in network-related situations in an appropriate and interactive manner
- lead project work in his or her own field, when necessary.

DAIM520 Visual Skills 3, 3 ECTS

The student will develop his or her visual thinking capacity through drawing from a live model. He or she will learn to prepare visual presentations based on observation and examination.

A student who has completed the course will (core content)

- examine forms and anatomic structures at different levels (dynamics of a shape, inner rhythm and living form)
- creatively apply drawing techniques and contents in his or her own work.

A student who has completed the course will (supplementary content)

- understand the significance of visual thinking
- analyse and visualise, in a controlled manner, the observations he or she has made.

DAIM60 Future-Oriented Design 10 ECTS

DAIM600 Proactive Design and Design Management 4 ECTS

The student will understand the significance of proactive design and design management in respect to market economy and design activities. The student will learn to recognise the contents of future signs and development trends and learn how they can be influenced. He or she will learn the significance of alternatives and reasoning in proactive design. Furthermore, the student will act in accordance with the values defined by society and the educational organisation when building scenarios of the products of the future and the user connections between different product layers.

A student who has completed the course will (core content)

- define his or her own role in respect to proactive work and management
- act in accordance with the principles of project work
- apply methods and tools suitable for proactive work under guidance in design tasks

A student who has completed the course will (supplementary content)

- apply the operational models of design management in the project managed by him or her
- interact and communicate his or her expertise in a variety of ways
- apply proactive methods in a variety of ways in design tasks.

DAIM610 Future-Oriented Marketing 3 ECTS

The student will be able to produce future-oriented product ideas and, based on them, design a marketing-related business idea and create a marketing strategy with the help of the characteristics of the product. The student will be able to design practical marketing measures and future tools required for them.

A student who has completed the course will (core content)

- place design competence within the company's overall business operations and marketing and support the company’s business operations.

A student who has completed the course will (supplementary content)

- learn the marketing process and related methods
- apply means of competition related to marketing and participate in the planning of their use.

DAIM620 Futurology 3 ECTS

The student will understand the principles and significance of futurology in respect to society and his or her field of specialisation. The student will understand material dealing with the future and will focus on the future.

A student who has completed the course will (core content)

- search for and compare information on futurology
- develop his or her thinking.

A student who has completed the course will (supplementary content)

- draw conclusions about the future
- apply results of futurology.

DAIM70 Product System Design 10 ECTS

DAIM700 Product Family Thinking and Concept Design 4 ECTS

The course will deal with the principles of product system design, as well as the means, objectives and significance of concept design and design management. The course focuses on concept design which aspires to provide product thinking with efficiency and economy. The course will be based on a given futurological method with which a product system scenario and a supporting entity of graphic communication will be developed.

A student who has completed the course will (core content)

- understand the roles of the design process and the product in the management of the corporate image.

A student who has completed the course will (supplementary content)

- examine the changes occurring in the professional image of a designer and the influential relations as part of the industrial product development.

DAIM710 Modular Design, Mass Tailoring and Personification 3 ECTS

Industrial product development and industrial design aim to accomplish a product family or product system. The course aims to make the student acquainted with a modular way of thinking. Modularity is examined as part of a product system. Modular thinking includes the division of a product into industrially produced components, and product bases upon which different product options can be assembled from modules. Mass tailoring aims at designing entities that meet the changing needs of customers, taking the requirements of industrial manufacture into consideration.

A student who has completed the course will (core content)

- perceive the product within entities that are appropriate considering the manufacturing technique.

A student who has completed the course will (supplementary content)

- search for customer-oriented and financially profitable solutions
- understand the possibilities of product variations as a means of competition.

DAIM720 Investigative and Developing Design Activities 3 ECTS

A student who has completed the course will (core content)

- use an investigative approach in tasks of his or her own field

- understand the underlying theoretical factors, various strategies applicable to RDI activities in the field of design and communication, as well as information retrieval, analytical and interpretation methods that are necessary in his or her profession
- learn the requirements applicable to reports and other presentations and be able to pay attention to them in his or her own work.

A student who has completed the course will (supplementary content)

- deepen the methodological command of RDI activities in his or her field of special competence.

DAIM80 Project Studio "Product Development" 8 ECTS

DAIM800 Product Development Project 6 ECTS

The student will understand the significance of product design as a whole and its content as part of the product design process.

A student who has completed the course will (core content)

- define and search for the partners needed in product development
- use the visual representation methods as part of design processes
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- consider the impact and possibilities of internationalisation in his or her own work
- understand the cultural factors underlying design and interpret contemporary phenomena and values with means of design
- acquire information in a reflective and applied manner.

DAIM810 Applied Visual Studies 2 ECTS

A student who has completed the course will (core content)

- apply means and methods of visual expression to the work in his or her own field in an appropriate and creative manner
- utilise his or her visual competence in different stages of work, and as a tool for perception and creative work.

A student who has completed the course will (supplementary content)

- further develop his or her personal language of expression and strengthen his or her visual identity as a professional of design and communication.

7 DAYV COMMON PROFESSIONAL STUDIES IN FASHION AND TEXTILE DESIGN 40 ECTS

DAYV10 Experimental Material Workshop 10 ECTS

DAYV100 Visual Creation Methods 2 ECTS

The student will be able to use different methods to describe a theme or an ambience. He or she will learn to apply visual material in experimental workshops.

A student who has completed the course will (core content)

- use the visual representation methods as part of design processes.

A student who has completed the course will (supplementary content)

- observe, use and analyse colour and forms and the relations between them as a basis for design work.

DAYV110 Felting and Knitting Workshop 2 ECTS

The student will understand the possibilities of the loop structure and the wool fibre in the production of surfaces. The student will become familiar with professionals, companies and corporations of the felting and knitting sector.

A student who has completed the course will (core content)

- learn the basics of felting and knitting
- use material in a bold and experimental manner as a means of expression.

A student who has completed the course will (supplementary content)

- prepare three-dimensional structures and different colour exercise through combinations of materials.

DAYV120 Embroidery Workshop 2 ECTS

The student will learn different embroidery techniques. The student will learn to choose suitable embroidery techniques for different materials and different purposes. The student will learn to acquire information to support his or her own work, and to document the produced material in an appropriate manner.

A student who has completed the course will (core content)

- use different embroidery techniques
- use embroidery techniques creatively in the design and manufacture of products.

A student who has completed the course will (supplementary content)

- utilise his or her embroidery skills in a versatile manner, combining different professional techniques.

DAYV130 Weaving and Braiding Workshop 2 ECTS

The student will become familiar with the possibilities of weaving and braiding in the production of different surfaces and forms.

A student who has completed the course will (core content)

- learn the basics of weaving and braiding.

A student who has completed the course will (supplementary content)

- apply three-dimensional forms, relief-like surfaces and structures to different textile materials in the workshop.

DAYV140 Printing and Dyeing of Fabric 2 ECTS

The student will become familiar with the possibilities of both industrial and craft methods of dyeing and patterning textiles.

A student who has completed the course will (core content)

- use basic techniques of printing and dyeing.

A student who has completed the course will (supplementary content)

- apply methods of dyeing and patterning textile surfaces in the design and manufacturing process.

DAYV20 Product Design 10 ECTS

DAYV200 Possibilities of Product Design 7 ECTS

The student will be able to create and design a collection of products and take the principles of sustainable development into consideration in the design process. The student will be able to utilise RDI methods as part of the design process. The student will acquire basic knowledge of textile raw materials and fabric structures.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- learn design methods as well as information retrieval and documentation methods of his or her own field
- learn different materials and fabric weaves.

A student who has completed the course will (supplementary content)

- apply the principles of responsible design.

DAYV200A Basics of Product Design 4 ECTS

The student will be able to create and design a collection of products, take the principles of sustainable development into consideration in the design process and implement the designs using information technology.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes
- become acquainted with the ethical and aesthetic issues faced by a designer.

A student who has completed the course will (supplementary content)

- become acquainted with the significance of composition as a basis for design work.

DAYV200B Applied RDI Method Exercises 1 ECTS

The student will be able to utilise RDI methods as part of the design process.

A student who has completed the course (core content)

- knows design methods as well as information retrieval and documentation methods of his or her own field.

DAYV200C Materials Science and Structural Techniques 2 ECTS

The student will acquire basic knowledge of textile raw materials and fabric structures.

A student who has completed the course will (core content)

- learn different materials and fabric weaves.

A student who has completed the course will (supplementary content)

- apply the acquired information to his or her own ideas.

DAYV210 Presentation Techniques 2D/3D, 3 ECTS

The student will learn to produce material that is comprehensible in visual communication. The student will learn to use different experimental methods of representing textiles for the purpose of developing his or her expression, and to utilise vector graphics in the visualisation of presentations.

A student who has completed the course will (core content)

- use different presentation techniques to visualise textiles
- use vector graphics in the presentation of product photographs (Adobe Illustrator)
- visualise textiles and ambiences in different environments (3D).

A student who has completed the course will (supplementary content)

- apply his or her presentation skills in different professional processes.

DAYV210B CAD (Adobe Illustrator) 1 ECTS

The student will be able to use the Adobe Illustrator program as a tool for clothing, product and pattern design.

A student who has completed the course will (core content)

- use the program in the design of printed patterns and prints, the preparation of colour charts and colour options, the implementation of image collages and the production of product photographs and different presentations.

A student who has completed the course will (supplementary content)

- apply the acquired skills in different professional processes.

DAYV210A Presentation Techniques 2 ECTS

The student will learn different techniques and ways to represent clothing, textile materials and textile products, and will learn to draw presentations and 2D images manually. The student will learn to develop his or her personal visual expression with a view to diversify his or her professional communication skills.

DAYV30 Materials and Forms 10 ECTS

DAYV300 Experimental Design 7 ECTS

The student will be able to use the characteristics of materials and the possibilities of design techniques for innovative clothing design and as a tool for form production.

A student who has completed the course will (core content)

- perceive the impact of human body forms and proportions on the shapes and proportions of clothing through various exercises
- convert a three-dimensional product into a two-dimensional flat pattern
- design and manufacture three-dimensional products

- understand the interaction between the form and materials in a three-dimensional product as an implementation of different techniques.

A student who has completed the course will (supplementary content)

- document and analyse his or her own design process.

DAYV310 Material Technology and Manufacturing Techniques 3 ECTS

A student who has completed the course will (core content)

- learn different textile finishing processes and their impact on the characteristics of materials
- learn to recognise different textile structures
- use machines and equipment
- learn different product structure solutions and manufacturing methods.

A student who has completed the course will (supplementary content)

- understand the possibilities of the use of materials in product design.

DAYV40 Pattern and Colour Design 10 ECTS

DAYV400 Pattern and Colour Design 5 ECTS

The student will learn the elements and rules of clothing and interior fabric design and to design patterns, prints and unique fabrics through various methods.

A student who has completed the course will (core content)

- use different sketching techniques in the design of pattern elements
- design patterns, prints and unique fabrics with continuous surface
- apply the basic principles of visual composition and colour theories in the design process
- use trend forecasts as a basis of the design process.

A student who has completed the course will (supplementary content)

- use different industrial and craft methods of printing and colouring in the patterning of fabrics and understand the requirements of different methods in the design process
- extend surface and colour design into new areas of use.

DAYV410 CAD in Pattern and Colour Design 5 ECTS

The student will learn to utilise information technology in the design of different patterns and colours and to present the pattern designs in different products, as well as to compile a professional portfolio of his or her own collection.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes.

A student who has completed the course will (supplementary content)

- present his or her own ideas and products in an interactive manner.

8 PROFESSIONAL STUDIES IN FASHION AND CLOTHING DESIGN 68 ECTS

DVAM10 Project Studio "Product Design" 7 ECTS

DAVM100 Clothing Design as Product Design 4 ECTS

The student will deepen his or her knowledge of clothing design by participating in applied project work and learn the basics of design documentation and presentation.

A student who has completed the course will (core content)

- work in accordance with the methods of project work
- learn the basics of visual representation methods as part of design processes.

A student who has completed the course will (supplementary content)

- acquire information in a reflective and applied manner.

DAVM100A Basics of Product Design 3 ECTS

The student will know the basics of project management and be able to apply what he or she has learned to project work. The student will deepen his or her knowledge of clothing design by participating in applied project work.

A student who has completed the course will (core content)

- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- acquire information in a reflective and applied manner.

DAVM100B Documentation and Presentation of Design Work 1 ECTS

The student will be able to produce pictorial material of different stages of the design process, and edit and save it for the purpose of project presentation. The student will be able to test and justify his or her own ideas with the help of visual representation methods.

A student who has completed the course will (core content)

- use visual representation methods during the design process in an appropriate manner
- compile the material into an illustrative and visually well planned presentation.

A student who has completed the course will (supplementary content)

- use electronic tools of image editing and saving.

DAVM110 Visual Expression and Costume History 1, 3 ECTS

The student will understand the significance of professional history as part of project work and be able to apply the material he or she has found in his or her own project work, using suitable methods of visual expression.

A student who has completed the course will (core content)

- use thematically suitable material on professional history in his or her own project work either as a basis of work or as material that complements the process.
- creatively apply methods of visual expression both in the initial creative stage of the project and in the documentation of different project stages.

A student who has completed the course will (supplementary content)

- contemplate the opportunities provided by the professional history as a basis of project work today and in the future.

DAVM110A History of Textiles and Dress 2 ECTS

The student will gain an overall picture of the history of textiles and dress, and the factors that influenced its development.

A student who has completed the course will (core content)

- learn to recognise essential textile and clothing trends, designers and products of different periods.

A student who has completed the course will (supplementary content)

- examine the most essential products through the underlying thinking.

DAVM110B Visual Expression, Drawing and Painting 1 ECTS

The student will develop his or her skills of drawing and painting techniques e.g. from the perspective of visual presentation of materials.

DAVM20 Product Studio “Collection Design” 6 ECTS

DAVM200 Clothing Collection Design 4 ECTS

The student will be able to design an innovative clothing collection with coordinated colours, materials and models, and to implement the designs using professional presentation techniques.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- examine the impact and possibilities of internationalisation in his or her own work
- understand the cultural factors underlying design and interpret contemporary phenomena and values with means of design
- acquire information in a reflective and applied manner.

DAVM210 Visual Expression and Costume History 2, 2 ECTS

The student will understand the significance of professional history as part of collection design and apply the material he or she has found as a basis of the design work and/or as part of the process. The student will study the varying essence of a human being when drawing from a live model, and utilise what he or she has learned in the collection design process in an appropriate manner.

A student who has completed the course will (core content)

- acquire information on professional history for the purpose of collection design and apply it in an appropriate manner in his or her own process
- utilise the experience gained when drawing from a live model in the collection design process.

A student who has completed the course will (supplementary content)

- use different pictorial and visual materials in the design and marketing of a collection
- contemplate the marketing of his or her own collection today and in the future.

DAVM30 Project Studio "Commercialisation of Collection" 7 ECTS

DAVM300 Collection Design and Production Process 4 ECTS

The student will become acquainted with the continuity of the design process, turning plans into finished marketable products and discovering the interaction between the processes of clothing design and implementation.

A student who has completed the course will (core content)

- understand the roles of the design process and the product in the management of the corporate image
- learn the basic facts of the essential manufacturing and production processes of his or her own field
- be aware of the significance of quality as an essential part of design work
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- learn the significance of business operations and marketing in the design process.

DAVM310 Product Image and Corporate Image as part of Clothing Collection Design 3 ECTS

The student will understand the product image and the corporate image as part of clothing collection design and marketing, as well as the possibilities of product and fashion photography in the presentation and marketing of a clothing collection.

A student who has completed the course will (core content)

- understand the roles of the design process and the product in the management of the corporate image
- present his or her ideas and products in an interactive manner.

A student who has completed the course will (supplementary content)

- analyse the corporate image and factors that influenced its establishment
- work smoothly with a photographer.

DAVM310A Product Image and Corporate Image 2 ECTS

The student will understand the significance of the corporate image as a basis of product and concept design.

A student who has completed the course will (core content)

- learn the basic concepts and foundations of design management
- learn different ways to manage the corporate image.

A student who has completed the course will (supplementary content)

- analyse the corporate image and factors that influenced its establishment.

DAVM310B Product and Fashion Photography 1 ECTS

The student will learn the basics of photography preparations and styling and will in practice become familiar with product and fashion photography in a studio environment. The student will learn the

basic image enhancement and the required settings so that the photograph can be used in finished presentation and marketing materials.

A student who has completed the course will (core content)

- learn the basics of photography preparations and styling
- learn basic image enhancement.

A student who has completed the course will (supplementary content)

- work smoothly with a photographer.

DAVM40 Flat Pattern Making and Structural Design 10 ECTS

DAVM400 Basic Patterns and Dimensioning 3 ECTS

The student will know different flat pattern systems and understand the significance of a basic pattern when making flat patterns for clothing. The student will understand the dimensioning of clothing as part of a designer's work and learn the significance of an individual flat pattern in the implementation of unique clothing.

A student who has completed the course will (core content)

- understand the factors that influence the preparation of basic patterns and be able to choose an appropriate ready-made basic pattern for the products he or she has manufactured
- learn clothing dimensioning and be able to prepare simple dimension tables.

A student who has completed the course will (supplementary content)

- prepare an individual basic pattern for unique clothing.

DAVM410 Pattern Alteration 7 ECTS

A student who has completed the course will (core content)

- alter flat patterns of women’s garments (skirts, blouses, trousers), taking the requirements placed by the purpose, models and materials of clothing into consideration
- learn the basics of a computer-aided flat pattern making program and use the opportunities provided by it when making flat patterns for women's clothing
- design structures for the products he or she has designed and make flat patterns for them.

A student who has completed the course will (supplementary content)

- understand the significance of producing precise flat patterns as part of a smoothly run process of clothing manufacture.

DAVM50 Project Studio “Concept Design” 10 ECTS

DAVM500 Concept Design 4 ECTS

The course deals with the methods, objectives and significance of concept design. The course focuses on concept design which aspires to produce innovative solutions, efficiency and economy.

A student who has completed the course will (core content)

- understand the roles of the design process and the product in the management of the corporate image
- solve problems and develop working methods creatively

- anticipate forthcoming changes and develop the operational environment with a view to making changes.

A student who has completed the course will (supplementary content)

- examine the impact and possibilities of internationalisation in his or her own work.

DAVM510 Production Networks and Production Planning 3 ECTS

The student will learn production networks and will be aware of the main features of having products manufactured by way of subcontracting, and will be able to identify suppliers of materials and other stakeholders. He or she will be able to prepare professional instructions and act in accordance with the stipulated timetables.

A student who has completed the course will (core content)

- learn the production networks of his or her own field
- be capable of production planning.

A student who has completed the course will (supplementary content)

- anticipate forthcoming changes and develop the operational environment with a view to making changes.

DAVM520 Visual Skills 3, 3 ECTS

The student will develop his or her visual thinking capacity through drawing from a live model. He or she will learn to prepare visual presentations based on observation and examination.

A student who has completed the course will (core content)

- examine forms and anatomic structures at different levels (dynamics of a shape, inner rhythm and living form)
- creatively apply drawing techniques and contents in his or her own work.

A student who has completed the course will (supplementary content)

- understand the significance of visual thinking
- analyse and visualise, in a controlled manner, the observations he or she has made.

DAVM60 Functional Clothing 10 ECTS

DAVM600 Design of Functional Clothing 3 ECTS

The student will be able to design functional and innovative clothing.

A student who has completed the course will (core content)

- apply his or her knowledge of clothing physiology, ergonomics and material technology in design work and take the special needs of a target group into consideration
- become acquainted with special materials
- utilise information retrieval methods suitable for product design in a variety of ways
- act with different professional stakeholders
- represent a human body in motion by drawing.

A student who has completed the course will (supplementary content)

- document and present the process using professional means.

DAVM610 Flat Pattern Making and Structural Design of Functional Clothing 4 ECTS

A student who has completed the course will (core content)

- take the requirements placed by the trajectories and positions of the body into consideration when making flat patterns for clothing
- make flat patterns for products complying with a model and design appropriate structures that are suitable for the material and use.

A student who has completed the course will (supplementary content)

- apply knowledge of clothing physiology and material technology in flat pattern making and structural design.

DAVM620 Clothing Physiology and Material Technology 3 ECTS

The student will understand the impact of the requirements placed by the human thermoregulation system, the activity and the operating environment of clothing on human well-being.

A student who has completed the course will (core content)

- take these factors into consideration in clothing design
- choose materials with well-functioning operational characteristics for different operational situations and environments
- conduct different kinds of material tests in accordance with the quality standards.

A student who has completed the course will (supplementary content)

- learn different kinds of textile finishing and become familiar with state-of-the-art material technology.

DAVM70 Costume Design in Performing Arts 10 ECTS

DAVM700 Functions of Costume in Performing Arts 3 ECTS

A student can

- distinguish clothing and costumes as an aesthetic and narrative element in performing arts
- understand the significance of a stage costume in the history of fashion and dress in the 20th century and the roles of clothing in a multisensory channel
- understand the possibilities of an image representing clothing in visual culture and marketing Costume art > Fashionable costume > (Theatre costume) > (Film costume) - Costume art as a means of marketing - Costumes as a narrative / Clothing and fashion in fiction (literature, art, theatre, film, TV) - Costume and fiction as a cultural benchmark – Differences and similarities between TV and film costumes – Finnish stage costumes

DAVM710 Project Work “Costume Design” 4 ECTS

The student will be able to design costumes in the area of performing arts chosen by him or her. The student will master the special requirements placed by his or her own project on costume design from the perspectives of materials, ergonomics and aesthetics.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- work in accordance with the methods of project work.
- learn the essential materials of his or her own field and be capable of their applied use
- acquire information in a reflective and applied manner.

A student who has completed the course will (supplementary content)

- understand the cultural factors underlying design and interpret contemporary phenomena and values using means of design

DAVM720 Investigative and Developing Design Activities 3 ECTS

A student who has completed the course will (core content)

- use an investigative approach in tasks of his or her own field
- understand the underlying theoretical factors, various strategies applicable to RDI activities in the field of design and communication, as well as information retrieval, analytical and interpretation methods that are necessary in his or her own profession
- learn the requirements applicable to reports and other presentations and consider them in his or her own work.

A student who has completed the course will (supplementary content)

- deepen the methodological command of RDI activities in his or her field of special competence.

DAVM80 Project Studio “Costume Art” 8 ECTS

DAVM800 Project Work “Costume Art” 6 ECTS

The student will understand the role of a costume designer and be able to work both independently and as a member of an artistic team. He or she will learn to recognise and experiment with materials in an innovative manner and to present his or her costume designs professionally using visual and written means. The student will be able to manage his or her own project, examine the framework conditions of costume design, define a timetable for the project and delegate tasks.

A student who has completed the course will (core content)

- understand methods of creative problem-solving
- present his or her own ideas and products in an interactive manner
- understand the significance of composition as a basis for design work
- observe, use and evaluate colour and forms and the relations between them as a basis for design work
- understand and master creative processes during work, as well as theories of the field
- understand user-oriented design and the significance of ergonomics in products.

A student who has completed the course will (supplementary content)

- work in accordance with the methods of project work
- anticipate forthcoming changes and develop the operational environment with a view to making changes
- understand the significance of quality as an essential part of design work.

DAVM810 Applied Visual Studies 2 ECTS

A student who has completed the course will (core content)

- apply means and methods of visual expression to the work in his or her own field in an appropriate and creative manner
- utilise his or her visual competence in different stages of work, and as a tool for perception and creative work.

A student who has completed the course will (supplementary content)

- further develop his or her personal language of expression and strengthen his or her visual dentity as a professional of design and communication.

9 PROFESSIONAL STUDIES IN TEXTILE DESIGN 68 ECTS

DATM10 Project Studio “Product Design” 7 ECTS

DATM100 Product Design 4 ECTS

The student will learn the basic principles of project work and be able to act in an assisting role in supervised projects. He or she will be able to apply concepts of project management and preparation of a project plan to forthcoming projects. The student will become familiar with the possibilities of portfolio work. The student will acquire information on the history of textiles and be able to utilise visual expression in the presentation of textile materials, surfaces and forms.

A student who has completed the course will (core content)

understand the basic principles of project work and prepare a project plan for his or her own work

- represent his or her project using the design methods and tools of his or her own field
- apply information on the history of textiles and costumes in product design
- acquire information in a reflective and applied manner
- use methods of project work.

A student who has completed the course will (supplementary content)

- understand the cultural factors underlying design and interpret contemporary phenomena and values as a basis of design
- observe, use and evaluate colours and forms in the composition of design work.

DATM110 Visual Expression and History of Textiles 1, 3 ECTS

The student will understand the significance of professional history as part of project work and be able to apply the material he or she has found in his or her project work, using suitable methods of visual expression.

A student who has completed the course will (core content)

- use thematically suitable material on professional history in his or her project work either as a basis of work or as material complementing the process
- creatively apply methods of visual expression both in the initial creative stage of the project and in the documentation of different project stages.

A student who has completed the course will (supplementary content)

- contemplate the opportunities provided by the professional history as a basis of project work today and in the future.

DATM20 Product Studio “Collection Design” 6 ECTS

DATM200 Collection Design 4 ECTS

The student will design a textile collection using the skills he or she has learned in experimental material workshops. The student will deepen his or her cultural knowledge applying information in his or her own professional work. The student will develop observation and drawing skills as tools of professional work.

A student who has completed the course will (core content)

- use material experiments and different techniques to support the design work
- use and apply the design methods and tools of his or her own field
- use the visual representation methods as part of design processes
- work in accordance with the methods of project work
- utilise knowledge of textile history and visual skills in his or her design work.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- pay attention to the impact and possibilities of internationalisation in his or her work
- interpret contemporary phenomena and values using means of design
- acquire information on trends.

DATM210 Visual Expression and History of Textiles 2, 2 ECTS

The student will understand the significance of professional history as part of collection design and be able to apply the material he or she has found as a basis of design and/or as part of the process. The student will study colours and their impact on the experience and ambience. The student will utilise what he or she has learned in the collection design process in an appropriate manner.

A student who has completed the course will (core content)

- acquire information on professional history for the purpose of collection design and apply it in an appropriate manner in his or her own process
- utilise colour and form composition skill in the collection design process.

A student who has completed the course will (supplementary content)

- use different pictorial and visual materials in the design and marketing of a collection
- contemplate the marketing of his or her own collection today and in the future.

DATM30 Project Studio “Commercialisation of Collection” 7 ECTS

DATM300 Collection Design and Production Process 4 ECTS

The student will be acquainted with the continuity of the design process from plans to finished marketable products.

A student who has completed the course will (core content)

- manufacture a protomodel from some part of the collection
- commercialise the collection he or she has designed
- create a business idea for sales that correspond to the consumer profile
- understand the essential manufacturing and production processes
- understand the significance of quality as an essential part of design work
- work in accordance with the methods of project work.

A student who has completed the course will (supplementary content)

- understand the significance of business operations and marketing in the design process
- understand the roles of the design process and the products in the birth of the corporate image.

DATM310 Product Image and Corporate Image as part of Textile Collection Design 3 ECTS

The student will be acquainted with the continuity of the design process from the plans to finished marketable products.

A student who has completed the course will (core content)

- create a business idea for his or her own product
- evaluate the image of different companies through evaluation of their visual communication
- create the consumer profile of his or her own product
- learn to recognise the significance of marketing skills in business activities
- work in accordance with the methods of project work
- utilise product photography for marketing purposes.

A student who has completed the course will (supplementary content)

- understand the significance of business operations and marketing in the design process.

DATM40 Collection Design 10 ECTS

DATM400 Design of Collections for Trade Fairs and Sales 5 ECTS

The student will be able to design an innovative textile collection with coordinated colours, materials and forms, and to implement the designs using professional presentation techniques.

A student who has completed the course will (core content)

- study the supply of existing textile collections
- analyse the values, needs and preferences of different target groups
- apply target-group thinking to the concept design and marketing of the collection
- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes.

A student who has completed the course will (supplementary content)

- create visions of the future and anticipate forthcoming trends
- understand the ethical and aesthetic responsibility of a designer
- examine the impact and possibilities of internationalisation in his or her own work
- interpret contemporary phenomena and values using means of design
- consider the quality requirements applicable to the product.

DATM410 Participation in Trade Fairs 5 ECTS

The student will participate in and become familiar with trade fairs and acquire experiences of professional practices.

A student who has completed the course will (core content)

- work in a team
- learn the proper ways of trade fair representation
- learn practices of participating in trade fairs
- design a product image and a corporate image by means of graphics.

A student who has completed the course will (supplementary content)

- understand the ethical and aesthetic responsibility of a designer
- consider the quality requirements applicable to the product.

DATM50 Project Studio “Concept Design” 10 ECTS

DATM500 Concept Design 4 ECTS

The student will be able to design a product concept and prepare him or herself to present it at a trade fair of his or her own field.

A student who has completed the course will (core content)

- become familiar with competing products and manufacturers
- design a product concept for a fair
- prepare him or herself for a trade fair in Finland and abroad
- learn global activities in the textile sector.

A student who has completed the course will (supplementary content)

- anticipate forthcoming changes and develop the operational environment with a view to making changes.

DATM510 Production and Corporate Image 3 ECTS

The student will understand what kind of a corporate image the material he or she prepares for a trade fair will convey to the customers. The student will learn to prepare a business plan for his or her own products. The creation of production networks and familiarity with subcontracting are important when evaluating the profitability of production.

A student who has completed the course will (core content)

- create a visual overall image for his or her company
- anticipate forthcoming changes and develop the operational environment with a view to making changes
- commercialise his or her own product idea
- learn operational networks and subcontracting possibilities in the textile sector.

A student who has completed the course will (supplementary content)

- learn operational environments also on the international level.

DATM520 Visual Skills 3, 3 ECTS

The student will develop his or her visual thinking capacity through drawing from a live model. He or she will learn to prepare visual presentations based on observation and examination.

A student who has completed the course will (core content)

- examine forms and anatomic structures at different levels (dynamics of a shape, inner rhythm and living form)
- creatively apply drawing techniques and contents in his or her own work.

A student who has completed the course will (supplementary content)

- understand the significance of visual thinking
- analyse and visualise, in a controlled manner, the observations he or she has made.

DATM60 Furnishing Entities 10 ECTS

DATM600 Design of Furnishing Entities 6 ECTS

The student will understand the role of textiles in interior design today and in the future.

A student who has completed the course will (core content)

- develop his or her textile ideas visually and design a textile entity, taking the space, operational situation as well as the user's needs and desires into consideration
- understand the differences between designing unique textiles, single textile products and fabrics sold in rolls.

A student who has completed the course will (supplementary content)

- apply knowledge related to chromatics and composition to tasks of his or her professional field.

DATM610 Textiles in a Space 4 ECTS

The student will learn to use 3D programs as a basis of spatial design.

A student who has completed the course will (core content)

- combine interior textiles with different environments using 3D programs.

A student who has completed the course will (supplementary content)

- work in accordance with the requirements of the space.

DATM70 Product Development Process 10 ECTS

DATM700 Manufacture of Interior Textiles 7 ECTS

The student will understand the versatility of textile design by becoming familiar with different materials and ways of manufacturing textile products. The student will continue the design process in workshops and implement one product he or she has designed.

A student who has completed the course will (core content)

- become familiar with the possibilities of felting, weaving, printing, braiding and dyeing in the manufacture of interior textiles
- choose the appropriate materials and techniques for the product to be manufactured.

A student who has completed the course will (supplementary content)

- include work instructions and a cost estimate in his or her own plans.

DATM710 Investigative and Developing Design Activities 3 ECTS

A student who has completed the course will (core content)

- use an investigative approach in tasks of his or her own field
- understand the underlying theoretical factors, various strategies applicable to RDI activities in the field of design and communication, as well as information retrieval, analytical and interpretation methods that are necessary in his or her own profession
- learn the requirements applicable to reports and other presentations and be able to consider them in his or her own work.

A student who has completed the course will (supplementary content)

- deepen the methodological command of RDI activities in his or her field of special competence.

DATM80 Project Studio “Manufacture of Textiles” 8 ECTS

DATM800 Project Work 6 ECTS

The student will be able to manufacture a textile product he or she has designed, or have it manufactured.

A student who has completed the course will (core content)

- manufacture a textile product he or she has designed, or have it manufactured
- work in accordance with the methods of project work
- utilise production networks in the manufacture of a textile product.

A student who has completed the course will (supplementary content)

- examine the ethical and aesthetic aspects in his or her own work
- base his or her own work on the customers' needs.

DATM810 Applied Visual Studies 2 ECTS

A student who has completed the course will (core content)

- apply means and methods of visual expression to the work in his or her own field in an appropriate and creative manner
- utilise his or her visual competence in different stages of work, and as a tool for perception and creative work.

A student who has completed the course will (supplementary content)

- further develop his or her personal language of expression and strengthen his or her visual identity as a professional of design and communication.

10 DVAA ALTERNATIVE PROFESSIONAL STUDIES 20–30 ECTS

DVAA10 Graphic Design 1, 10 ECTS

DVAA100 Media Techniques 5 ECTS

The student will understand the usability of multimedia elements in product design and in the preparation of presentations and will be able to produce multimedia presentations needed in a designer's profession.

A student who has completed the course will (core content)

- produce and compile digital media material
- produce media material for different distribution channels.

A student who has completed the course will (supplementary content)

- utilise media techniques in product design as a tool for modelling and testing and in presentation situations.

DVAA110 Web Design 5 ECTS

The student will master the basics of website production and understand the significance of a web portfolio as a process focusing on his or her expertise and as a sample of his or her work.

A student who has completed the course will (core content)

- produce web contents
- learn applications and tools that are necessary in website production.

A student who has completed the course will (supplementary content)

- represent his or her competence and development of designer identity with a sample portfolio
- utilise the web as a channel of communication.

DVAA10 Graphic Design 2, 10 ECTS

DVAA120 Basics of Graphic Expression 5 ECTS

The student will be able to design publications and graphic presentations and to implement them in a manner required by the production, and will understand the significance and content of graphic quality.

A student who has completed the course will (core content)

- learn the basic concepts of typography and be able to design and lay out small-scale publications
- handle pictorial material in a manner required by printed matters
- design graphic figures and diagrams needed in publications or products and implement them in a manner required by the production technique.

A student who has completed the course will (supplementary content)

- use publication, graphic and image processing programs needed in the preparation of publications.

DVAA130 Product Graphics and Brand Communication 5 ECTS

The student will deepen his or her skills in the design of the graphic appearance of products and trademarks and learn to recognise the need for other experts in the implementation of product communication.

A student who has completed the course will (core content)

- take the impact of product graphics and trade marks on mental images and product sales into consideration
- design and implement a graphic appearance, trade mark and package that are graphically distinguishable and convey the desired mental images
- create a product campaign idea that reaches and interests the target group.

A student who has completed the course will (supplementary content)

- use experts to help him or her in the implementation of the product marketing campaign.

DVAA30 Basics of Glass Design 10 ECTS

DVAA300 Basics of Glass Design 10 ECTS

The student will understand the behaviour of glass in different glass manufacturing techniques and be able to apply what he or she has learned to his or her industrial art design.

A student who has completed the course will (core content)

- use cold glasswork tools
- utilise different basic techniques of glassmaking.

A student who has completed the course will (supplementary content)

- utilise glassmaking methods in his or her own production
- combine glass into his or her other design tasks.

DVAA40 Building Product Design 10 ECTS

DVAA400 Indoor Coatings and Building Products 5 ECTS

The student will understand the basic principles of designing indoor coatings and building products, as well as their impact on spaces. The student will learn the significance of indoor coatings and building products in architecture and manufacturing industries that are economically efficient and produce effective results.

A student who has completed the course will (core content)

- understand the significance of indoor coatings and building products comprehensively as industrial products and as components with an impact on spaces.

DVAA410 Project Work and CAD 5 (Cinema 4) 5 ECTS

The student will become familiar with the extensions of different CAD programs and with the visualisations, technical drawings, information and information models made possible and available by the programs.

A student who has completed the course will (core content)

- learn the possibilities brought by the extensions of different CAD programs in interior architecture, design of interior design products, product visualisation, animations and manufacture of products.

DVAA50 Design Entrepreneurship 10 ECTS

DVAA500 Marketing 3 ECTS

The student will understand the significance of marketing and selling of competence for business activities and will focus on developing the commercial and productive nature of the design sector.

A student who has completed the course will (core content)

- market his or her competence and that of others to stakeholders
- conduct design work, taking commercial principles into consideration.

A student who has completed the course will (supplementary content)

- commercialise professional competence
- create commercially successful services and products.

DVAA510 Electronic Distribution Channels 3 ECTS

The student will be able to use the possibilities of electronic distribution channels in the marketing of professional competence and business activities, and will focus on developing his or her electronic communication skills as well as documentation and reporting competence.

A student who has completed the course will (core content)

- learn the basics of the techniques used in web media
- develop his or her own work.

A student who has completed the course will (supplementary content)

- communicate his or her objectives and practices to others using electronic web media
- analyse the opportunities provided by his or her professional orientation.

DVAA520 Business Activities 4 ECTS

The student will be introduced to business activities. He or she will understand the prerequisites for entrepreneurship, find opportunities in his or her professional field, as well as do creative work and develop his or her own business ideas.

A student who has completed the course will (core content)

- prepare a description of business activities and manage matters needed when setting up an enterprise.

A student who has completed the course will (supplementary content)

- develop and evaluate entrepreneurship
- contemplate the opportunities provided by his or her professional orientation.

DVAA60 Jewellery, Fashion and Materials 10 ECTS

DVAA600 Design Project 5 ECTS

The student will understand the interrelated factors of jewellery and dressing. These common factors provide new opportunities for design work and material choices.

A student who has completed the course will (core content)

- search for information in a reflective manner
- examine jewellery from the perspective of fashion and dressing
- see dressing as communication
- apply his or her material choices in an innovative manner.

A student who has completed the course will (supplementary content)

- interact and communicate his or her expertise in a variety of ways
- evaluate his or her development as a designer.

DVAA610 Manufacturing Technology 5 ECTS

The student will understand the significance of the jewellery material choices for the characteristics of jewellery.

A student who has completed the course will (core content)

- search for information in a reflective manner
- use materials in an innovative manner
- evaluate the operational characteristics of different materials.

A student who has completed the course will (supplementary content)

- interact and communicate his or her expertise with partners and evaluate his or her development as a designer.

DVAA80 Unique Clothing 10 ECTS

DVAA800 Design of Unique Clothing 3 ECTS

The student will be able to design an innovative clothing collection with coordinated materials and models, and to implement the designs using professional presentation techniques.

A student who has completed the course will (core content)

- use the design methods and tools of his or her own field
- use the visual representation methods as part of design processes.

A student who has completed the course will (supplementary content)

- take the possibilities of materials into consideration and be acquainted with special materials in order to create a unique clothing collection
- understand the ethical and aesthetic responsibility of a designer
- understand the cultural and historical factors as part of design work
- acquire information in a reflective and applied manner.

DVAA810 Manufacture of Unique Clothing 7 ECTS

The student will be able to design and manufacture an individual unique garment. The student will be able to use opportunities provided by different materials in the design and manufacture and to

consider the planned use of the product. The student will be able to make a flat pattern and to manufacture a unique garment, taking the individual shapes of a body into consideration. The student will learn structures used in manufacturing and be able to develop structural solutions that suit the material.

A student who has completed the course will (core content)

- apply and reflect on the acquired information
- develop his or her own work.

A student who has completed the course will (supplementary content)

- use appropriate professional communication.

DVAA90 Architecture and Textiles 10 ECTS

DVAA900 Interior Design Materials in Different Spaces 5 ECTS

The student will learn to use textiles in interior design, taking issues such as acoustics, fire safety and exposure to chemicals into consideration in accordance with the requirements placed by the use of the space. Ecological aspects will be considered in material choices.

A student who has completed the course will (core content)

- perceive the possibilities and limitations of using textiles in the interior design of different spaces: technical limitations, possibilities with colours, forms, materials
- utilise individual textile art products as well as industrially manufactured ready-made materials available on the market in interior design
- use the latest information on the criteria applicable to the use of textiles in the interior design of different spaces
- search for information on entrepreneurs who supply or manufacture industrial art products and industrial products
- consider high quality as an important aspect in the use of textiles in interior design.

A student who has completed the course will (supplementary content)

- understand the versatile requirements placed on the use of textiles in interior design.

DVAA910 Interior Design Plan with Textiles 5 ECTS

The student will learn to add amenity of public and private spaces with textiles, taking the needs of the space and the users into consideration. The student will learn to pay special attention to issues such as acoustics, fire safety and exposure to chemicals in his or her interior design plan. Ecological aspects will be considered in material choices.

A student who has completed the course will (core content)

- create an ambience visually with a dialogue between colour, forms, figures and materials
- utilise individual textile art products as well as industrially manufactured ready-made materials available on the market in interior design
- utilise industrial art products and industrial products supplied or manufactured by entrepreneurs in his or her own plan
- consider high quality as an important aspect in his or her interior design plan.

A student who has completed the course will (supplementary content)

- work in a network of experts.

11 DASO ADVANCED STUDIES 10 ECTS

Student will choose one of the following study modules

DASO10 Crafts and Design 10 ECTS

DASO100 Entrepreneurship, Marketing and Commercialisation in the Field of Design 5 ECTS

Each student will assume the role of a new entrepreneur during the course. The student will understand the business plan and the business activities as a comprehensive entity.

A student who has completed the course will (core content)

- learn to recognise business opportunities in his or her own field
- prepare a realistic business plan in order to commence his or her own business activities
- commercialise his or her competence in the form of products or services.

A student who has completed the course will (supplementary content)

- develop the business activities from the perspective of economy
- plan the improvement of profitability
- work on the business plan in order to make it more competitive.

DASO110 Crafts and Design Project 5 ECTS

Students become trained in professional goal setting and in realisation and evaluation of creative development project.

A student who has completed the course will (core content)

- realise and conclude a creative work process whose topic can be new products for limited production, unique pieces; optionally, the topic can be teaching and guidance of arts and crafts skills and/or developing adventure activities
- choose and independently execute a project task, which is applicable to his or her specialising area
- utilise the Open Innovation Space and connecting outside expertise and collaboration to the cooperation network.

A student who has completed the course will (supplementary content)

- use optional work methods and approaches in generating and processing ideas to an end product or service
- motivate the clients to give feedback and actively participate in the development processes
- plan and realise a project that generates well-being to different target groups like children, young people, labourers, older people or special target groups (only those students who specialise in arts and crafts training and services).

DASO20 User-Oriented Design 10 ECTS

DASO200 Methods of User-Oriented Design 5 ECTS

A student who has completed the course will (core content)

- use and develop the Open Innovation Space and the project working environment and working methods that are appropriate for a given project
- connect the users of products and services or the user groups and the special needs arising in the interactive process with the innovation process
- enhance the project cooperation with expertise and forms of cooperation that will enable the development of technology-oriented innovations or service innovations e.g. using the interfaces of various fields of study.

A student who has completed the course will (supplementary content)

- use the user response of a good experience as an indicator of successful work
- develop the Open Innovation Space and its practices into a direction that will motivate the end user of the product to be an active operator and to give feedback from the beginning of the design process up to the final evaluation.

DASO210 Participatory Design Project 5 ECTS

A student who has completed the course will (core content)

- build up their expertise as responsible members of a creative multidisciplinary project team.
- use and develop the operational environment and working methods of the project
- connect outside expertise to the cooperation network.

A student who has completed the course will (supplementary content)

- motivate the end users to give feedback and actively participate in the development process.

DASO30 Trade Fair and Shop Design 10 ECTS

DASO300 Trade Fair and Shop Design 6 ECTS

The student will understand the content of the exhibition and the requirements placed by the target group on exhibition architecture. Regulations and instructions applicable to public interior design. Contractual documents and work specifications related to the construction of exhibitions and trade fairs. Materials. Coordination of the exhibition content and material from a spectator’s viewpoint. The student will also understand the impact of the shop space and spatial division on the functionality of the shop space from the perspective of the personnel and the customers. The student will know the significance of spatial and furniture design when designing a shop that is economically efficient and produces effective results.

A student who has completed the course will (core content)

- understand the impact of the shop space and spatial division on the functionality of the shop space from the perspective of the personnel and the customers
- understand the content of the exhibition and the requirements placed by the target group on exhibition architecture
- learn regulations and instructions applicable to public interior design
- prepare the contractual documents and necessary work specifications related to the construction of exhibitions and trade fairs

- choose materials and constructions that comply with the regulations from the perspective of the furniture and the fair administration.

DASO310 Design of Immediate Built Environment 4 ECTS

The student will understand the factors that have an impact on the outdoor space or the immediate built environment, and the commonly used materials, and take these into consideration in his or her design work. The student will learn the usability requirements related to the outdoor space and its structures and furniture.

12 DVVO ELECTIVE STUDIES 0–10 ECTS

DVVO100 Glass in Interior Design and Structures 5 ECTS

The student will understand and be able to utilise glass as a material in the design of indoor and outdoor spaces.

A student who has completed the course will (core content)

- utilise glass as an interior design element
- use cold glasswork tools
- utilise different glassmaking methods in his or her design work.
- A student who has completed the course will (supplementary content)
- apply what he or she has learned to the structures and to new innovations related to the built environment
- utilise lighting in glass design.

DVVO200 Service Design 5 ECTS

DVVO300 Design Research 5 ECTS

DVVO440 Media Culture 5 ECTS

DVVO500 Career Planning, Knowledge of Working Life and Communication on Working Life 5 ECTS

13 DHAR PLACEMENT / INTERNSHIP 30 ECTS

The practical training shall be completed outside the Kuopio Academy of Design and equals 30 ECTS credits. Part of the practical training can also be completed by participating in an R&D project of the Academy.

Objective and content

The Bachelor of Culture and Arts degree includes supervised practical training worth 30 ECTS credits. The student will complete the practical training in enterprises, institutions and work communities, or by participating in different projects. The practical training is a part of the student's personal specialisation in the study plan and is closely connected with his or her major studies.

The aim of the practical training is to guide the student towards practical work tasks that are essential to professional studies, and towards the application of knowledge and skills in working life. It will support the development of the student's professional identity and develop his or her skills in self-evaluation and work process organisation. The practical training will provide the student with practical experience and confidence in job seeking, presentation of personal skills and planning of work tasks. During the practical training the student will acquire information on the common professional practices in the field. The practical training will be completed in Finland or abroad during the studies. It is also possible to complete the practical training during holidays. The student will arrange the training place approved by the teacher who is in charge of supervising the practical training in his or her department, and who will also act as the contact person during the training.

The student will write a report on the practical training in accordance with the instructions. The practical training will be entered in the study record as completed ("S"). Detailed instructions and the necessary forms concerning the practical training are available from the Study Office.

14 DYON FINAL PROJECT WITH THESIS 15 ECTS

The completion of this module proves that the student has a comprehensive, profound and critical knowledge of his or her area of specialisation, which he or she can use in different tasks in the field. The thesis can be prepared from the perspective of the author, object or recipient. It can focus on a process, product or operating environment and related special issues.

The thesis can be connected with other studies in the degree programme and practical working life so that it deepens and widens the requisite professional skills. For example, in theses related to the R&D activities of the Academy, large assignments can be completed in joint student teams by dividing them into different perspectives and parts. Thus each student will be able to concentrate on a single special issue without losing contact with larger assignments.

Content

The thesis is a demonstration of professional skills. It can take the form of a project-type product development task, product manufacture, assignment related to subjective creative expression, experiential work or written study. The thesis includes a report in which the student justifies and evaluates his or her work. The thesis seminar is a process in which the student presents his or her thesis at different stages and participates in the examination and evaluation of other students' theses. The thesis also comprises the maturity test to be taken after submitting the thesis for evaluation.