

**Curriculum
for
Business Economics
and
Information Technology**

August 2015

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1. Framework for this Curriculum

The programme is governed by the latest version of the following Danish Acts and Orders:

- Act on Academy Profession degree programmes and Professional Bachelor programmes
- Executive Order on Academy Profession and Professional Bachelor programmes
- Executive Order on the Bachelor's Degree Programme for Business Economics and Information Technology
- Executive Order on quality assurance of vocational programmes in further education
- Executive Order on access to Academy Profession Degree programmes and Professional Bachelor programmes
- Executive Order on examination regulations
- Executive Order on marking scale and other types of evaluation

This curriculum for the Business Economics and Information Technology programme has been prepared on the basis of the guidelines in the Executive Order no 774 of 4 July 2012 on the Bachelor's Degree Programme for Business Economics and Information Technology.

The above acts and orders are accessible at <http://www.retsinformation.dk>.

The title of the programme is Bachelor's Degree Programme in Business Economics and Information Technology. The graduates are entitled to call themselves Bachelor of Business Economics and Information Technology.

The programme, a full-time course, comprises 31/2 student years. One student year is equivalent to a full-time student's work in one year. A student year is equivalent to 60 points in the European Credit Transfer System (ECTS points). The official duration of the study programme is 210 ECTS points.

The purpose of the Business Economics and Information Technology programme is to qualify the graduate to solve issues related to business economy, socio economy and information technology in private and public organizations; but also to participate in cross-disciplinary collaboration.

1.1. Validity

This curriculum applies to students who have begun their studies in August 2014 or later.

1.2. Interim arrangement

Not relevant.

1.3. Model for Acquiring Competences

The objective of the programme is to make the student acquire a number of core competences, which will give the student a basis for continuous learning and for solving the tasks of the future in a globalized knowledge society.

The student acquires learning competence and conceptual competence, which will enable the student to independently develop professionally and in general.

The student acquires innovative competence by focusing on flexibility and adaptation of solutions to current professional conditions.

The student acquires relational competences – the capability to function in networks and communicate in complex and flat structures – by independently taking on responsibilities which make the student able to develop his/her professional identity.

2. Admission

2.1. Requirements to education, subjects and admission examination, if any

Admission requirements are the equivalent of a Danish high school exam (“gymnasie”) and mathematics minimum at B level.

3. Programme elements and modules

3.1. Time and sequence of programme elements and internship

Business Economy and IT, Programme model

1st-4 th semesters - Compulsory elements				5 th semester: Specialisation and internationalisation	6 th semester: Internship	Compulsory elements
1st semester:	2 nd semester:	3 rd semester:	4th semester:			7th semester: Bachelor project
Introduction to IT and business 5 ECTS	Alignment of IT and business 5 ECTS	Strategy and relations 10 ECTS	Business processes and PM 10 ECTS	Optional modules, 30 ECTS The student selects Economy, IT and/or integration courses. OR Studying abroad.	Internship 30 ECTS	Philosophy of science and project methodology 10 ECTS
Business economics and organization 10 ECTS	Business economics and organization 10 ECTS	Strategic marketing 5 ECTS	Information Technologies 5 ECTS			Bachelor project 20 ECTS
Software Construction 5 ECTS	Software Construction 5 ECTS	Information Technologies 5 ECTS	Systems development 10 ECTS			
Systems development 5 ECTS	Systems development 5 ECTS	Systems development 10 ECTS				
Communication and presentation 5 ECTS	International business law 5 ECTS		Innovation and Entrepreneurship 5 ECTS			

Legend, Core Subjects

Socioeconomics	Business Economics	Information technology	Auxiliary subjects	Specialization	Bachelor project
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3.2. Core subjects

3.2.1. Socioeconomics (10 ECTS)

Content: Microeconomics, macroeconomics, international descriptive economics, global economic structures, and international market structures.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding

- 1) micro- and macroeconomics and the nature of economic reasoning
- 2) business internationalization in a socioeconomic perspective

Skills

The student masters skills regarding the application of:

- 1) The cycle of economics in market economies in a national as well as an international perspective in order to select relevant solution models.
- 2) A comprehensive set of economic theories and methods in the global environment analysis and is able to justify and choose relevant solution models.
- 3) The evaluation and analysis of a business internationalization process from a practice-oriented and theoretical perspective.
- 4) The communication of practice-oriented and academic issues regarding micro- and macroeconomics to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The development in the global political and financial environment and creating a synthesis.
- 2) The independent participation in the analysis of global economic trends and parameters and is able to reflect on their influence on markets and business within the framework of professional ethics.
- 3) Combining the perspectives of local business with a global macroeconomic understanding.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to the micro- and macroeconomics and the cycle of economics in market economies.

3.2.2. Business Economics (45 ECTS)

Content: Organization theories and practice, internal and external accounting methods, international marketing, business process optimization, business strategy, management, and strategic planning of information systems.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Organization and management theories and models
- 2) Internal and external accounting theories and methods
- 3) International marketing economy and basic communication strategies
- 4) Supply chain management and business processes
- 5) Business optimization and systems integration
- 6) International management and development
- 7) Business strategy
- 8) Strategic planning of information systems

Skills

The student masters skills regarding the application of:

- 1) Organizational theories and models in order to reflect on and evaluate organizational practice.
- 2) Theory and methods of internal and external accounting principles as well as selecting relevant solutions in a business context.
- 3) Theory and methods of international marketing strategy and communication.
- 4) Theory and methodologies to analyze, design, and plan business processes.
- 5) Theory and methodologies to the planning of strategic information systems.
- 6) Theory and methodologies to develop and participate in implementation of business strategies.
- 7) The communication of practice-oriented and academic issues regarding business economics, management, accounting, and international marketing to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Designing and participating in international organizational change processes from creation of strategy to implementation.

- 2) Independently participating in accounting tasks and measuring the results.
- 3) Developing and executing marketing plans, analysis and strategies.
- 4) Creating and implementing an IT strategy.
- 5) Designing, planning, and implementing IT processes, services, and products.
- 6) Identifying own learning needs and developing own knowledge, skills, and competences in relation to business economics, management, accounting, and international marketing.

3.2.3. Information technology (50 ECTS)

Content: IT systems development, IT project management, design and management of IT-systems and -processes in organizations, software development involving algorithms, databases and user interfaces, testing, and user involvement.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding.

- 1) Pre-analysis, analysis, and design of activities in system development
- 2) Management, planning and quality assurance in IT system life cycle processes
- 3) Information technology and software application in organizations
- 4) System architecture
- 5) Usability testing and user experience.

Skills

The student masters skills regarding the application of:

- 1) Programming theory and methods, involving algorithms, databases and user interfaces.
- 2) Theory and methodologies for data modeling, database design, design of user interfaces, quality assurance processes, project planning and management.
- 3) Methodologies to plan and specify system requirements and system architecture integrating knowledge from organization theory and business strategy.
- 4) Theory and methods to analyze user behavior and needs, test usability, and create user experience.
- 5) The communication of practice-oriented and academic issues regarding planning, developing, designing and implementing IT-systems and processes to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Constructing information systems involving algorithms, databases, and user interface.
- 2) Planning, coordinating and managing information system projects, involving interdisciplinary collaboration with e.g. users and stakeholders.
- 3) Constructing data models and database designs.
- 4) Evaluating and testing information technology and integrating quality assurance in system development processes.
- 5) Designing a system architecture.
- 6) Creating system requirement specifications.
- 7) Identifying own learning needs and developing own knowledge, skills, and competences in relation to planning, developing, designing and implementing IT-systems and processes.

3.2.4. Auxiliary subjects (25 ECTS)

Content: Communication and presentation technique, team collaboration, international IT- and business law, entrepreneurship and innovation processes, and philosophy of science.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Communication and presentation technique
- 2) Philosophy of science
- 3) Social science, international law, and ethics
- 4) Entrepreneurship and innovation

Skills

The student masters skills regarding the application of:

- 1) Identifying appropriate communication methods to complex target groups.
- 2) Philosophy of science to project work and selecting relevant theories and solution models.
- 3) Theories and methods from social science, international law, and ethics to global business and information technology.
- 4) Theories and methods to design creative and innovative business processes, services and products.
- 5) The communication of practice-oriented and academic issues regarding business law, entrepreneurship, innovation, and ethics to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Communicating technical information orally and in writing to complex target groups.
- 2) Developing, planning, and facilitating creative and innovative business processes.
- 3) Developing a business plan for a knowledge intensive organization.
- 4) Identifying legal issues concerning international business and information technology.
- 5) Identifying own learning needs and developing own knowledge, skills, and competences in relation to communication, business law, entrepreneurship, innovation, and professional ethics.

3.3. Compulsory elements

3.3.1. 1st Semester

Socioeconomics

Microeconomics (5 ECTS)

Content: Essential economics, basic microeconomics, market structure, and efficiency.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Core concepts of economics, economic reasoning, and economic systems.
- 2) Supply and demand, consumer and producer behavior, the price mechanism, and market structures.
- 3) Microeconomic policies, market efficiency, and the impact of market interventions on efficiency.

Skills

The student masters skills regarding the application of:

- 1) Microeconomic theories and models of demand and supply including methods to analyze producer and consumer surplus, and short-term and long-term economic profits.
- 2) Theories and methods to analyze the market efficiency and the impact of market interventions on efficiency.
- 3) Selecting and presenting relevant microeconomic solution models to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The independent participation in an organization's decision making based on economic understanding and the analysis of market efficiency, costs, and benefits.
- 2) Identifying own learning needs and developing own knowledge, skills, and competences in relation to the microeconomic discipline.

Business economics

Business economics and organization 1 (10 ECTS)

Content: Organization theory, accounting models and theories, project organization and budgeting.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Organization structure and culture
- 2) Project organization and the financial aspects of project management
- 3) Internal accounting methods

Skills

The student masters skills regarding the application of:

- 1) Theory and models to analyze organizational structure and culture, including the differences between knowledge-intensive companies and manufacturing companies.
- 2) Theory and methods to establish and manage project organizations.
- 3) Internal accounting methods, including the financial aspects of projects.
- 4) Selecting and presenting relevant solution models regarding organization structures and culture, internal accounting, as well as project organization and budgeting to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Identifying formal and informal characteristics of organization structures and culture and analyzing their impact on individuals and teams.
- 2) Planning and managing the financial aspect of simple projects using basic accounting methods.
- 3) Identifying own learning needs and developing own knowledge, skills, and competences in relation to business economics and organization.

Information Technology

Software construction 1 (5 ECTS)

Content: Introduction to software construction and programming, programming languages, program quality, simple algorithms.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) The description of the syntax and semantics of a programming language
- 2) Structure in programs
- 3) Simple algorithms
- 4) Classic data structures
- 5) Program quality criteria

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to structure the realization of simple algorithms and data structures in a programming language.
- 2) Theories and methods to define program quality criteria and debug own programs.
- 3) The communication of practice-oriented and academic issues regarding program quality and simple algorithms to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The construction of a simple program from a program specification.
- 2) Planning of programming activities and quality assurance in software construction.
- 3) Identifying own learning needs and developing own knowledge, skills, and competences in relation to simple software construction and programming.

Information Technology

Systems development 1 (5 ECTS)

Content: Development models, project models, project management, user involvement, and test.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) development methods for software construction and their relation to IT project models
- 2) the structure and design of information systems, including modeling of information flows
- 3) user involvement and testing in software development
- 4) basic project management methods

Skills

The student masters skills regarding the application of:

- 1) Theory and methods of software development in the planning of simple development processes.
- 2) Quantitative and qualitative methods in user research.
- 3) Methods to plan simple test activities.
- 4) Theories and methods about the design of information systems and the modeling of information flows in software development processes.
- 5) Selecting and presenting relevant solution models regarding the structure and design of information systems to users and collaboration partners.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The modeling of information flows and the design of simple information systems.
- 2) Planning and coordinating a software development project.
- 3) Conducting user research based on quantitative and qualitative methods.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to systems development.

Auxiliary subjects

Communication and Presentation Technique (5 ECTS)

Content: Conceptual and technical communication, study technique, international collaboration processes in a project context.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Written and oral communication and presentation techniques in an international context
- 2) Study technique and academic methods
- 3) Intercultural relations and collaboration processes

Skills

The student masters skills regarding the application of:

- 1) Communication theories and methods in order to produce conceptual and technical communication aimed at international target groups.
- 2) Theories and methods to the establishment of project organizations and understanding of collaborative processes in an intercultural context.
- 3) Academic methods in oral and written communication.
- 4) Selecting and presenting relevant solution models regarding the establishment of intercultural project organizations to collaboration partners.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Producing conceptual and technical communication directed at complex target groups
- 2) Independently planning and monitoring collaboration practices and team roles in an international project organization
- 3) Reflecting on own academic practice and learning strategies

3.3.2. 2nd Semester

Socioeconomics

Macroeconomics (5 ECTS)

Content: Basic macroeconomics, international descriptive economics, global economic structures, and international trade.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Macroeconomic models and reasoning concerning the determination and relationship between national income, unemployment, inflation and other macroeconomic objectives.
- 2) International descriptive economics, international trade, and the balance of payments.
- 3) Differences in strategic choices in relation to macroeconomic objectives.

Skills

The student masters skills regarding the application of:

- 1) Basic macroeconomic theories and methods in order to analyze macroeconomic objectives, including international trade and the balance of payments.
- 2) The communication of practice-oriented and academic issues regarding macroeconomic models and international descriptive economics.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The use of theoretical models to analyze the impact of macroeconomic factors from a corporate perspective.
- 2) Identifying own learning needs and developing own knowledge, skills, and competences in relation to macroeconomic reasoning and international descriptive economics.

Business economics

Business economics and organization 2 (10 ECTS)

Content: Organizational development and implementation, accounting models in organizations, project organization.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Decision making and change management in international organizations.
- 2) The fundamental aspects of business economy including key performance indicators, cost/benefit analysis, break even, and supply/demand.
- 3) The financial control of organizations, including external accounting methods.
- 4) Project management in an international organizational context.

Skills

The student masters skills regarding the application of:

- 1) Theories and methods in order to assess an organization's economic performance and decision making.
- 2) Theories and methods of managing change in international organizations.
- 3) External accounting methods.

- 4) Project management models and methods for managing an international project team.
- 5) Selecting and presenting relevant solution models regarding organizational development and implementation as well as external accounting methods to collaboration partners.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Presenting financial analysis based on financing and balance sheet structure and finance, respectively equity and capital in international organizations.
- 2) Analyzing, calculating and presenting accounting and key performance indicators.
- 3) Integrating a project organization in a larger organizational context.
- 4) Managing diversities and change in international project organizations.
- 5) Identifying own learning needs and developing own knowledge, skills, and competences in relation to business economics and external accounting.

Information Technology

Software construction 2 (5 ECTS)

Content: Construction of IT systems in a programming language, data structures and abstract data types, server side programming.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) The syntax and semantics of a programming language
- 2) Development environments for IT systems
- 3) Qualitative properties of selected algorithms
- 4) Classic data structures
- 5) Transaction handling and rollback in information systems
- 6) Server side programming

Skills

The student masters skills regarding the application of:

- 1) Methods and theories in the development of client-server applications.
- 2) Methods for testing programs in order to plan and execute validation tests.
- 3) Methods and theory for manipulating data in and retrieving data from an information system.

- 4) Methods and theories about the realization of user interfaces in a development environment.
- 5) Selecting and presenting relevant solution models regarding software construction and server side programming to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Constructing and testing software programs involving algorithms, databases and user interfaces.
- 2) Programming a server side application.
- 3) Using a development environment for the realization of user interfaces.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to software construction and server side programming.

Information Technology

Systems development 2 (5 ECTS)

Content: Data models, database analysis and design, development methods, project models, project management, user involvement, test.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Data and information, entity-relationships models, normalization and database integrity.
- 2) Data models, database analysis and design of logical and physical databases.
- 3) IT project management including stakeholder analysis, risk analysis and quality management.
- 4) User involvement and tests in relation to IT project models.

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to transforming information about recorded data and business rules to a data model.
- 2) Normalization techniques to identify and eliminate redundant data.
- 3) Theory and methods of IT project management to plan complex development processes.
- 4) Theories and methods to create a test plan for a development cycle.
- 5) Selecting and presenting relevant solution models regarding database analysis and design to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The construction of a logical and physical database design.
- 2) The modeling of information flows and design of information systems.
- 3) Planning and coordinating the development of an information system with the integration of user research and test as a part of quality management.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to database design and project management.

Auxiliary subjects

International business law, 5 ECTS

Content: National and international business law, international IT-law.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Legal issues concerning the business environment
- 2) Legal issues concerning IT-systems and –products
- 3) Differences in the legal setup and practices in international markets

Skills

The student masters skills regarding the application of:

- 1) Relevant subjects of national and international business law to identify legal issues related to an organization.
- 2) Relevant IT-law related to IT-systems and –products, including copyright and transnational activities.
- 3) Theories and methods to analyze legal differences between international markets and the implications for the organization and its products or services.
- 4) The communication of practice-oriented and academic issues regarding relevant legal solution models to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Identifying and communicating potential legal issues concerning an organization and its products or services.
- 2) Identifying and communicating potential legal issues concerning international IT-systems, products or services.
- 3) Identifying own learning needs and developing own knowledge, skills, and competences in relation to international business and IT law.

3.3.3. 3rd Semester

Business economics

Business strategy 1 (10 ECTS)

Content: Business strategy, IT-supported strategic management, supply chain management and logistics.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) International strategic business and management.
- 2) The alignment of business and IT strategy using IT as an enabler in the process of creating and implementing business strategies in an international organization.
- 3) The impact of information, transportation and warehousing technologies on global supply chain and logistics operations, including transaction costs.
- 4) Key performance indicators deriving from a business strategy.

Skills

The student masters skills regarding the application of:

- 1) Theories and methods in order to analyse the international competition in an industry and an organization's strategic position.
- 2) Theories and methods to identify strategic resources and key performance indicators in an organization.
- 3) Theories and models to IT strategic planning as an integrated part of a the creation of business strategies.
- 4) Theory and methods to plan the successful implementation of a business strategy on the organizations global supply chain, including the identification of critical success factors.
- 5) Theory and methods to analyse the cost/benefit of implementing IT-driven processes in an international organization.

- 6) Key theories, models and concepts to analyse management issues in a global supply chain and logistics operation.
- 7) Selecting and presenting relevant solution models regarding the alignment of IT and business strategy to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The creation or revision of a business strategy based on the strategic analysis of an organization.
- 2) Designing the implementation of IT-supported business strategies in an international organization.
- 3) Identifying strategic resources and key performance indicators for an organization.
- 4) Identifying and communicating global supply chain issues in an organization.
- 5) Identifying own learning needs and developing own knowledge, skills, and competences in relation to the alignment of business and IT strategies.

Business economics

Strategic marketing (5 ECTS)

Content: strategic marketing planning, intercultural relationship, and networking management.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Collecting and analyzing international data about markets, clients, and users
- 2) Strategic marketing in international corporations
- 3) Creating value through intercultural relationship management
- 4) Marketing plans, including communication strategies

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to analyze markets and international competition.
- 2) Theories and methods to analyze relationships and intercultural communication.
- 3) Theories and methods to plan international strategic marketing.
- 4) Theories and models within international marketing economy in order to identify markets as well as select and present relevant solution models to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The independent participation in the development of a marketing strategy based on data collection and analysis of markets, competition, and consumers.
- 2) The interdisciplinary collaboration in the development of plans to penetrate new international markets.
- 3) Developing and managing relationships and networks in an intercultural context.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to strategic marketing.

Information Technology

Systems development 3 (10 ECTS)

Content: IT-supported business systems and processes, user experience, international usability, global project management, test and validation of IT-systems.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) IT-supported business systems and processes
- 2) Design processes, user interface design, and user experience
- 3) International usability testing
- 4) International project management
- 5) Test and validation in software construction

Skills

The student masters skills regarding the application of:

- 1) Theories and methods about design processes and prototyping in the development of architecture, functionality, and user interfaces in IT-systems.
- 2) Theories and methods about international usability in the development and test of systems and interfaces in a multinational context.
- 3) Theory and methods to model information about business processes and business rules in the development of IT-supported business systems and –solutions.
- 4) Theory about usability and qualitative and quantitative methods in usability testing and user experience.
- 5) Theory and methods to manage international teams and projects.
- 6) Theory and methods to assure quality in IT systems through test and validation procedures.

- 7) Selecting and presenting relevant solution models regarding user experience, test, and validation to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Planning, testing and analyzing usability and user experience in interface design and functionality.
- 2) The collaboration concerning the integration of a design process in the development of an IT system.
- 3) Developing, testing and evaluating user interfaces in a multinational context.
- 4) Creating a usability test plan and testing the functionality and user experience of IT-systems and –solutions.
- 5) Managing cross-border development projects and international teams.
- 6) Integrating test and validation procedures in the development of IT-systems and -solutions
- 7) Identifying own learning needs and developing own knowledge, skills, and competences in relation user experience, test and project management.

Information Technology

Information technologies 1 (5 ECTS)

Content: Structure of computers and operating systems, network communication technologies, software applications, IT governance, and IT transparency.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) The structure of computers and computer components
- 2) Operating systems and platforms
- 3) Network communication technologies
- 4) Different software applications types
- 5) IT-governance and IT transparency in an organization

Skills

The student masters skills regarding the application of:

- 1) Theory and methods to analyze properties and interrelationships between different information technologies.

- 2) Theory and methods to analyze an organization's IT service management processes and strategy.
- 3) Theories and methods to analyze the IT governance in an organization.
- 4) Selecting and presenting relevant solution models regarding IT-service management processes to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) The discipline-specific and interdisciplinary collaboration regarding the evaluation and test of information technology.
- 2) Independently participating in formulating an IT governance strategy and implementing it in the organization.
- 3) Understanding a layered communication model and addressing in networks.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to IT governance and IT transparency.

3.3.4. 4th Semester

Business economics

Business strategy 2 (10 ECTS)

Content: Business process optimization and standardization, integration of systems and business units, strategic information systems planning.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Integration of systems and business units.
- 2) Business process optimization and standardization through process design based on research and IT modeling tools.
- 3) Human, cultural and organizational aspects of IT-driven business processes.
- 4) Strategic information systems planning and financial management of IT systems.
- 5) International aspects of IT project portfolio management.

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to analyze the integration of IT systems and business units.
- 2) Theories and methods to research, model, and document IT-driven business processes.
- 3) Theory and methods to create an IT strategy based on central processes in an organization.
- 4) Theory and methods to prioritize and plan the development of an organization's IT project portfolio.
- 5) Theory and methods to strategically analyse an organization's IT infrastructure.
- 6) Selecting and presenting relevant solution models regarding strategic information systems planning to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Independently participating in creating or revising an IT strategy based on the strategic analysis of an organization's infrastructure and central processes.
- 2) Managing an IT project portfolio with a focus on optimization through internationalization of the organization.
- 3) Creating, modeling, and communicating concepts and documentation for IT-driven business processes to a complex target group.
- 4) Creating or revising plans for the integration of IT systems and business units.
- 5) Identifying own learning needs and developing own knowledge, skills, and competences in relation to business process optimization and standardization.

Information Technology

Systems development 4 (10 ECTS)

Content: System development methodologies, IT systems requirements, advanced project management, quality assurance, and risk management.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Methodologies and paradigms in IT system development
- 2) Project management methods and the role of the project manager and team
- 3) IT systems requirement specifications
- 4) Advanced project management, including risk and stakeholder analysis
- 5) Quality assurance in project management
- 6) Resource allocation, estimation and monitoring in development processes

Skills

The student masters skills regarding the application of:

- 1) Combining theories and methods about development paradigms with a project model and selecting the appropriate project strategy and tools.
- 2) Theories and methods to research and analyze a system development domain from a business, technological, and user perspective to determine requirements.
- 3) Theories and methods to analyze risk, stakeholders, scope, objectives, and critical success factors in project management of IT system development.
- 4) Theories and methods to design a process for a specific system development project.
- 5) Theories and methods to assure the quality of the process and product in a development cycle.
- 6) Theories and methods to estimate projects and allocate resources in development processes.
- 7) Selecting and presenting relevant solution models regarding project management to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Independently creating a complete and comprehensive project plan based on a methodological approach.
- 2) Managing a system development project on the basis of a project model and related tools and methodology.
- 3) Planning, estimating and allocating resources to system development projects.
- 4) Assuring the quality of both a development process and a product.
- 5) Establishing relationships and communicating with stakeholders.
- 6) Identifying own learning needs and developing own knowledge, skills, and competences in relation to project management of systems development.

Information Technology

Information technologies 2 (5 ECTS)

Content: Software application, cost of ownership, systems specifications, trends in information technology, security, systems architecture.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Creating concepts for software applications
- 2) Cost of ownership
- 3) IT security
- 4) Distribution of computer processing
- 5) System architecture
- 6) Information technology trends

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to analyze security aspects of an IT portfolio, processes, or practice.
- 2) Theories and methods to design a systems architecture integrating knowledge about information technology, business processes, and business objectives.
- 3) Theories about information technology trends to create concepts for software applications.
- 4) Methodologies to forecast short term and long term cost consequences of IT acquisitions, including environmental aspects.
- 5) Selecting and presenting relevant solution models regarding trends in information technology to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Design of a system's architecture.
- 2) Creating concepts for software applications or IT systems based on technological trends.
- 3) Estimating and communicating the consequences of software, hardware, and IT systems acquisitions, including a cost/benefit analysis.
- 4) Analyzing and communicating the security aspects of the IT portfolio, processes or practices.
- 5) Identifying own learning needs and developing own knowledge, skills, and competences in relation to systems architecture and trends in information technology.

Auxiliary subjects

Entrepreneurship and innovation (5 ECTS)

Content: Innovative and create processes, concept development, idea management, creating a business plan, and financing.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) Concept development and innovative and creative processes
- 2) Idea management in innovative organizations
- 3) Entrepreneurship and the potential value of entrepreneurial processes
- 4) Creating a business plan, including a plan for financing

Skills

The student masters skills regarding the application of:

- 1) Theories and methods to develop concepts for new products, services, or processes in an existing organization.
- 2) Theories and methods to identify potential risks or gains of an entrepreneurial process.
- 3) Selecting and presenting relevant solution models regarding innovation and entrepreneurship to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Independently participating in planning and managing the development of concepts for new products, services, or business processes.
- 2) Participating in interdisciplinary collaboration situations concerning planning and facilitating innovative processes in a knowledge-intensive organization .
- 3) Creating a business plan, including a plan for financing, based on the analysis of the risks, constraints and potential value of an entrepreneurial process.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to entrepreneurship and innovation.

3.3.5. 5th Semester

See 3.4. Optional modules.

3.3.6. 6th Semester

See 3.5. Internship and 3.6. Rules on Internship.

3.3.7. 7th Semester

Auxiliary subjects

Philosophy of science and project methodology (10 ECTS)

Content: History of philosophy, scientific method and project methodology, professional ethics, and the influence of culture on scientific traditions.

Learning objectives

Knowledge and understanding

The student has a development-based knowledge and understanding about and can reflect on applied theories and methodologies regarding:

- 1) The history of philosophy within the major scientific traditions
- 2) Scientific tradition and method in social science
- 3) The philosophy of ethics in a culture and business context
- 4) Philosophical and scientific traditions in a cultural perspective
- 5) Project methodology

Skills

The student masters skills regarding the application of:

- 1) Theories of philosophy of science to structure a project.
- 2) Theories and methods from social science to plan a systematic research process.
- 3) Philosophy of professional ethics in an international business context.
- 4) The communication of practice-oriented and academic issues regarding philosophy of science to collaboration partners and users.

Competences

The student is able to handle complex and development-oriented situations regarding:

- 1) Applying philosophy of science to projects.
- 2) Selecting and discussing relevant scientific theories and methods in project work.
- 3) Analyzing, structuring, and presenting a scientific problem in a relevant scientific tradition.
- 4) Identifying own learning needs and developing own knowledge, skills, and competences in relation to philosophy of science.

Bachelor project (20 ECTS)

Content: The aim is to show that the student has the qualifications to combine theoretical, practical, and developmental issues independently. The student should be able to choose relevant solution models and to communicate these. Furthermore, the student should demonstrate the skills to combine business, economics, and IT related knowledge and understanding and the ability to work on a specific problem from a scientific perspective on the basis of a practice-related issue.

The bachelor thesis should be a comprehensive, independent report, and may also include a fully or partially developed IT-related product.

The problem of the bachelor thesis should be stated by the student and wherever possible in cooperation with an enterprise. The problem statement of the bachelor thesis must be approved by the school.

The student should apply core theories and methods from the entire programme when solving the stated problem. Besides, the bachelor thesis should involve empirical data to solve the problem in question.

Learning objectives and requirements

- The student must be able to explain, argue for and discuss the use of theory and models of description and analysis of a problem that concerns a concrete enterprise or organisation and provide proposals for solutions.
- The student should demonstrate understanding of the problem field and the ability to view this field from different angles.
- In the research question and delimitation, the student should be able to outline the premises for the interpretation and understanding of the problem.
- The student should be able to explain, argue for and discuss methodical considerations.
- The student should be able to explain and argue for the use of concepts, models, theory and empirical data.
- The conclusions of the report must provide solutions/answers to the research question.
- The student should demonstrate independence in preparing the project, including literature search.
- The work should be presented in a structured report as well as an oral presentation.
- At the oral exam, the student must be able to explain and discuss the project in terms of the areas listed above.

Special conditions

In order to be enrolled for the bachelor examination the student must have passed the 6th semester internship test and the 7th semester Philosophy of Science test.

The written part of the bachelor thesis can be prepared individually or in groups of two students. The problem statement of each student and his/her plan for the bachelor thesis must be approved by the School.

3.4. Optional modules

5th Semester

Optional modules (30 ECTS)

The 5th semester is the specialization semester. At each School, the student will have alternative programme element choices within the following subject areas:

- Economic subjects
- IT subjects
- Integration subjects merging business economics and IT

The student will also be able to take relevant courses at other domestic or international Schools for a part of or the entire length of the semester.

Content, learning goals, and ECTS points will be published online by the individual Schools.

3.5. Internship

6th semester

Internship (30 ECTS)

The internship takes place in the 6th Semester. During the internship the student is affiliated with one or more private or public organizations.

The aim of the internship is to provide the student with a practical understanding of how the different theories and concepts developed in the Business Economics and Information Technology programme can be applied to specific organizational environments.

The internship allows the student to continue the specialization and reflection process from the previous semester. It is also an opportunity to find a problem area for the bachelor project.

Content: Application of theories, concepts and models from the previous courses in the programme to a specific problem related to the internship company or organization.

The student should get insight in:

- The company structure and organization
- Work functions
- Internal and external collaborators

The internship can form the basis for the student's final project and can be planned to allow both flexibility and differentiation. The internship is unpaid.

The student – in collaboration with the organization and the School– sets the learning objectives for the internship based on the objectives listed below.

The learning objectives of the internship are:

- 1) To develop a set of personal objectives and goals for the work experience.
- 2) To gain insight into what organizations expect and require of the student's knowledge, skills and attitudes toward work.

- 3) To experience everyday life and job assignments over a substantial period of time in the profession.
- 4) To work with issues related to Business Economics and/or Information Technology in line with own learning objectives.
- 5) To evaluate the strengths and weaknesses of the company and its resources.
- 6) To assume the role of an internal employee, external consultant, or entrepreneur.
- 7) To create a network of contacts in the company or business area.
- 8) To present recommendations to the organization based on extensive internal and/or external research.
- 9) For the student to try out in practice – and reflect upon – the knowledge and skills gained through the Business Economics and Information Technology Programme.

During the internship, the student has a supervisor from the programme and a contact/supervisor from the organization/enterprise.

How well the individual learning objectives are fulfilled is evaluated after the internship.

3.6. Rules on internship

Rules and guidelines are published by the individual school.

4. Internationalization

Each School may set their own rules.

5. Exams

The aim of the exam regulations is to ensure the quality of the programme, and that the subjects passed by the student are equivalent to corresponding subjects in other Schools that offer this programme.

The goal of the exam is to assess the degree to which the student has achieved a suitable level of knowledge in accordance with the goals and requirements specified in the curriculum.

To secure coherence in the teaching, and between the examination and the teaching, each School lays down specific demands for examination projects etc. For each exam, the requirements are specified by the individual School.

In order to pass the complete programme, the students must obtain a pass mark of 02 in all the exams.

All grades are individual. If there is a group based effort for the exam, the students' contribution to the group process can be part of the marking process.

Exams can be individual exams or group exams. During the oral exam, where the students are being examined individually on a product produced by a group, the other members of the group cannot be present while an individual student is being examined.

Exam Attempts

Students can have at least three attempts to pass the same exam. The School can allow a fourth attempt should sufficient reasons and grounds be presented. Such special grounds could be the death or serious illness of next of kin.

5.1 Exams in the programme

5.1.a. 1st semester

Microeconomics, Business Economics and Organisation, and Communication and Presentation exam – internal exam (20 ECTS)

Conceptual communication and presentation of a problem related to Microeconomics and Business Economics and Organisation.

The exam must show that the student:

- Can communicate with one or more target groups
- Can analyse and present a problem related to Microeconomics and Business Economics
- Can complete a project^{1*} in a team

Internal Test

An oral group test based on the project made by a group of 2-4 students is held at the end of the 1st semester.

Project, Presentation and Report

The project must be interdisciplinary and problem oriented.

The School lays down the actual requirements for the project, which will combine essential fields of the 1st semester teaching of Microeconomics, Business Economics and Organisation, and Communication and Presentation.

* A project description is formulated by the School arranging the examination and must as a minimum contain: the size of the project expressed in ECTS points, the type of guidance, including support and tutoring the students receive during the project working process together with the rules for handing it out and handing it in, such as dates, size and other quality requirements.

The School can make further demands for group size, project scope and process documentation, including the student's written language skills. The School must secure that the project description is given to the students and the examiners.

Handing in Report

The report must not exceed 10 standard pages** plus a maximum of 5 standard pages per group member, excluding appendices. Appendices should be kept to a minimum.

Examination

The student will be examined in several subjects (Microeconomics, Business Economics and Organisation, and Communication and Presentation). The examination must secure that the examination covers subjects that are not already dealt with in the report.

1. Group presentation based on report: 15 minutes
2. Individual examination: 15 minutes
3. Discussion of performance and announcement of grade: 5 minutes

Evaluation

The student will receive an individual grade for the overall performance covering report, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

Re-sit examination

The re-sit examination is held immediately before or at the beginning of the following semester. Grounds for re-sit examination – of a group project or an individual project – depend on a professional assessment of the reason why a re-examination is necessary.

Software construction and systems development – internal exam (10 ECTS)

Documentation of software construction and development

The exam must show that the student:

- Can plan the construction and development of software
- Can analyse and present a problem related to software construction and systems development
- Can document the development process

Internal Test

** A standard page contains 2400 keystrokes including spaces.

An oral individual test based on the project is held at the end of the 1st semester.

Project, Presentation and Report

The project must be interdisciplinary and problem oriented. The School lays down the actual requirements for the project, which will combine essential fields of the 1st semester teaching of Software Construction and Systems Development.

The School can make further demands for project scope and process documentation, including requirements for the demonstration of working code and/or the student's written language skills. The School must secure that the project description is given to the students and the examiners.

Handing in Report

The report must not exceed 10 standard pages^{**}, excluding appendices. Appendices should be kept to a minimum.

Examination

The student will be examined in several subjects (Software Construction and Systems Development). The examination must secure that the examination covers subjects that are not already dealt with in the report.

1. Individual examination, including a short presentation based on report: 15 minutes
2. Discussion of performance and announcement of grade: 5 minutes

Evaluation

The student will receive an individual grade for the overall performance covering report, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

5.1.b. 2nd semester

- First year exam (25 ECTS)

The alignment of IT and business

The exam must show that the student:

- Can communicate core concepts from Macroeconomics, Business economics and Organisation, Software construction, and Systems development.

^{**} A standard page contains 2400 keystrokes including spaces.

- Can analyse and present a problem related to Macroeconomics, Business Economics and Organisation, Software Construction, and Systems Development from an interdisciplinary perspective.
- Can complete a project^{2*} in a team.

External Test

An oral test based on the project made by a group of 2-4 students is held at the end of the 2nd semester.

Project, Presentation and Report

The project must be interdisciplinary and problem oriented. The School lays down the actual requirements for the project, which will combine essential fields of the 2nd semester teaching of Macroeconomics, Business Economics and Organisation, Software Construction, and Systems Development.

The School can make further demands for group size, project scope and process documentation, including requirements for the demonstration of working code. The School must secure that the project description is given to the students and the examiners.

Handing in Report

The report must not exceed 15 standard pages^{**} plus a maximum of 5 standard pages per group member, excluding appendices. Appendices should be kept to a minimum.

Examination

The student will be examined in several subjects (Macroeconomics, Business Economics and Organisation, Software Construction, and Systems Development). The examination must secure that the examination covers subjects that are not already dealt with in the report.

1. Individual presentation based on report: 5 minutes.
2. Individual examination: 20 minutes.
3. Discussion of performance and announcement of grade: 5 minutes.

Evaluation

* A project description is formulated by the School arranging the examination and must as a minimum contain: the size of the project expressed in ECTS points, the type of guidance, including support and tutoring the students receive during the project working process together with the rules for handing it out and handing it in, such as dates, size and other quality requirements.

** A standard page contains 2400 keystrokes including spaces.

The student will receive an individual grade for the overall performance covering report, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

International Business Law (5 ECTS)

Business and IT law

The exam must show that the student:

- Demonstrates knowledge of central concepts of IT- and business law
- Can analyse and present a problem related to IT- and business law

External Test

An oral individual test based on the synopsis is held at the end of the 2nd semester.

Synopsis and Presentation

The School lays down the actual requirements for the test, which will combine essential fields of the teaching of International Business Law. The School can make further demands for project scope, including the student's written language skills. The School must secure that the exam description is given to the students and the examiners.

Handing in Synopsis

The synopsis must not exceed 5 standard pages **, excluding appendices. Appendices should be kept to a minimum.

Examination

The student will be examined in International Business Law. The examination must secure that the examination covers subjects that are not already dealt with in the synopsis.

1. Individual examination, including a short presentation based on synopsis: 15 minutes
2. Discussion of performance and announcement of grade: 5 minutes

Evaluation

The student will receive an individual grade for the overall performance covering synopsis, presentation and individual examination. The evaluation of the performance is based on the

degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

5.1.c. 3rd semester

– Strategy and relations (30 ECTS)

Strategy and relations in IT and business

The exam must show that the student:

- Can communicate core concepts from Business Strategy, Strategic Marketing, Information Technologies, and Systems development.
- Can analyse and present a problem related to Business Strategy, Strategic Marketing, Information Technologies, and Systems development from an interdisciplinary perspective.
- Can collect and analyse user and marketing research.
- Can complete a project^{3*} in a team with emphasis on relations.

External Test

An oral test based on the project made by a group of 2-4 students is held at the end of the 3rd semester.

Project, Presentation and Report

The project must be interdisciplinary and problem oriented.

The School lays down the actual requirements for the project, which will combine essential fields of the 3rd semester teaching of Business Strategy, Strategic Marketing, Information Technologies, and Systems development.

The School can make further demands for group size, project scope and process documentation, including requirements for the demonstration of working code and/or the student's written language skills. The School must secure that the project description is given to the students and the examiners.

Handing in Report

The report must not exceed 15 standard pages^{**} plus a maximum of 8 standard pages per group member, excluding appendices. Appendices should be kept to a minimum.

* A project description is formulated by the School arranging the examination and must as a minimum contain: the size of the project expressed in ECTS points, the type of guidance, including support and tutoring the students receive during the project working process together with the rules for handing it out and handing it in, such as dates, size and other quality requirements.

Examination

The student will be examined in several subjects (Business Strategy, Strategic Marketing, Information Technologies, and Systems development). The examination must secure that the examination covers subjects that are not already dealt with in the report.

1. Individual presentation based on report: 5 minutes
2. Individual examination: 20 minutes
3. Discussion of performance and announcement of grade: 5 minutes

Evaluation

The student will receive an individual grade for the overall performance covering report, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

5.1.d. 4th semester

Business Processes and project management (30 ECTS)

Business Processes and project management in IT and business

The exam must show that the student:

- Can communicate core concepts from Business Strategy, Information Technologies, Systems Development, and Innovation and Entrepreneurship.
- Can analyse and present a problem related to Business Strategy, Information Technologies, Systems Development, and Innovation and Entrepreneurship from an interdisciplinary perspective.
- Can manage an innovative and/or entrepreneurial process.
- Can complete a project^{4*} in a team with emphasis on project management methods and tools.

External Test

An oral test based on the project made by a group of 2-4 students is held at the end of the 4th semester.

** A standard page contains 2400 keystrokes including spaces.

* A project description is formulated by the School arranging the examination and must as a minimum contain: the size of the project expressed in ECTS points, the type of guidance, including support and tutoring the students receive during the project working process together with the rules for handing it out and handing it in, such as dates, size and other quality requirements.

Project, Presentation and Report

The project must be interdisciplinary and problem oriented. The School lays down the actual requirements for the project, which will combine essential fields of the 4th semester teaching of Business Strategy, Information Technologies, Systems Development, and Innovation and Entrepreneurship.

The School can make further demands for group size, project scope and process documentation, including requirements for the demonstration of working code and/or the student's written language skills. The School must secure that the project description is given to the students and the examiners.

Handing in Report

The report must not exceed 15 standard pages^{**} plus a maximum of 8 standard pages per group member, excluding appendices. Appendices should be kept to a minimum.

Examination

The student will be examined in several subjects (Business Strategy, Information Technologies, Systems Development, and Innovation and Entrepreneurship). The examination must secure that the examination covers subjects that are not already dealt with in the report.

1. Individual presentation based on report: 5 minutes
2. Individual examination: 20 minutes
3. Discussion of performance and announcement of grade: 5 minutes

Evaluation

The student will receive an individual grade for the overall performance covering report, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

5.1.e. 5th semester

– Specialization and internationalization

Each optional module will be evaluated internally or externally through a test. The test could be oral, project oriented or written, depending on the content and working practice of the optional modules offered. The test will be either individual or group based.

Each School will publish their own guidelines.

^{**} A standard page contains 2400 keystrokes including spaces.

5.1.f. 6th semester

- Internship exam

The exam is internal and aims at assessing the student's individual learning objectives set by the student and the involved organization prior to entering the internship.

Evaluation

The students will receive an individual mark according to the seven-scale system for their presentation, covering the report, the presentation and the individual test. The student's performance will be evaluated as to the rate of fulfilment of the learning goals.

5.1.g. 7th semester

Philosophy of Science and Project Methodology (10 ECTS)

Philosophy of science, ethics, and scientific method

The exam must show that the student

- Demonstrates knowledge of central concepts of philosophy of science and professional ethics.
- Can analyse and present a problem using philosophy of science and scientific method.

External Test

An oral individual test based on the synopsis is held after the course is completed.

Synopsis and Presentation

The school lays down the actual requirements for the test, which will combine essential fields of the teaching of Philosophy of Science and Project Methodology. The school can make further demands for project scope, including the student's written language skills. The school must secure that the exam description is given to the students and the examiners.

Handing in Synopsis

The synopsis must not exceed 5 standard pages^{**}, excluding appendices. Appendices should be kept to a minimum.

Examination

^{**} A standard page contains 2400 keystrokes including spaces.

The student will be examined in Philosophy of Science and Project Methodology. The examination must secure that the examination covers subjects that are not already dealt with in the synopsis.

1. Individual examination, including a short presentation based on synopsis: 15 minutes.
2. Discussion of performance and announcement of grade: 5 minutes.

Evaluation

The student will receive an individual grade for the overall performance covering synopsis, presentation and individual examination. The evaluation of the performance is based on the degree to which it complies with the purpose and learning objectives of the subjects, as described in the curriculum.

Bachelor project (20 ECTS)

See 3.3.7. 7th semester and 5.5. Requirements to the final project.

External Exam

An oral test based on the project which may be produced individually or in groups of up to 2 students. The exam in the Bachelor project consists of a project and an oral exam which is held at the end of the 7th semester.

Handing in

The report must not exceed 30 standard pages* plus a maximum of 15 standard pages per group member, excluding appendices.

Examination

1. Group presentation of product and report: 15 minutes
2. Individual or group examination based on product and report: 25 minutes pr. student
3. Discussion of performance and announcement of mark: 10 minutes

Evaluation

An individual mark is given based on an overall evaluation of report, presentation and individual examination, including an assessment of the student's written language skills.

A document with exam evidence and Diploma Supplement is issued at the end of the education, when all exams have been successfully passed. The student, who has not successfully completed the programme, has a right to receive written confirmation of sections passed. This documentation supplies information on the exam type and final grade.

* A standard page contains 2400 keystrokes including spaces

5.1.1. Forms of examination

See under each exam, sections 5.1.a. to 5.1.g. The exams in the programme.

5.1.2. Compulsory requirements, attendance and assignments

Set by the individual schools.

5.1.3. Organisation of the exams

An exam can be either individual or taken by a group.

During an oral exam, at which a student is examined individually in a product prepared by a group, the remainder of the group members cannot be present.

5.2. Overview of exams in the programme

Semester	Exam	Internal/external exam
1 st semester	Microeconomics, Business economics and Communication (group hand in + group presentation + individual examination)	Internal
	Software construction and systems development (individual)	Internal
2 nd semester	First year exam (group hand in + individual presentation + individual examination)	External
	International Business Law (individual)	External
3 rd semester	Project exam (group hand in + individual presentation + individual	External

	examination)	
4 th semester	Project exam (group hand in + individual presentation + individual examination)	External
5 th semester	Optional module exams (group/individual)	External/Internal
6 th semester	Internship exam (group/individual)	Internal
7 th semester	Philosophy of science exam (individual)	External
	Bachelor project exam (group or individual)	External

The 1st semester is passed if the grades awarded in the exams are 02 or more

The 2nd semester is passed if the grades awarded in the exams are 02 or more

The 3rd semester is passed if the grades awarded in the exams are 02 or more

The 4th semester is passed if the grades awarded in the exams are 02 or more

The 5th semester is passed if the grades awarded in the exams are 02 or more

The 6th semester is passed if the grades awarded in the exams are 02 or more

The Philosophy of science exam on the 7th semester is passed if the grade awarded in the exam is 02 or more.

The bachelor project exam cannot take place until all the other exams of the programme have been passed. The bachelor project exam is passed if the grade awarded is 02 or more. The bachelor project must be passed before any awarding of the diploma.

Exam registration

When a student enters a semester and is consequently automatically registered as enrolled, they are also registered as enrolled for the internal or external exams on the semester. If a student cannot take part in a re-examination, notice thereof must be given by the student no later than two weeks after the original exam. If a student is to re-sit examination in the same assignment as in the original exam, the student will automatically be regarded as enrolled at the re-sit examination.

If a student is unable to attend the exam on grounds of illness or other acceptable reasons, the student will be notified of re-sit examination. If a student fails the exam, they will automatically be regarded as enrolled for re-sit examination.

Exam period and timing

One month before the exam period, the School will set a timetable for the exams. The deadline for the delivery of the project will be decided on an on-going basis, and will be specified in connection with a detailed description of the content of the project period. The exam period will contain a number of reading days or weeks, which are also specified at the start of the project period that leads up to the exam.

The exam period is the last week or weeks of the semester or as soon as possible after the end of a programme element or a semester.

5.3. The first year project

Each School may decide to lay down if the first year project must be passed before the end of the first year after study start.

5.4. Requirements to written assignments and projects

A standard page contains 2400 keystrokes including spaces.

See also under 5.1.a to 5.1.g.

5.5. Requirements to the final project

The final project, the bachelor project, is evaluated at an external examination. Together with the rest of the programme's examinations, this examination must prove that the programme's learning goals have been met. This test will contain a project and an oral examination which together will be graded with one mark. The examination cannot take place until all the other examinations of the programmes have been passed.

5.6. Use of aids

The use of aids, including electronic, is permitted during examination. At the oral examination, it is allowed to bring a limited number of notes. Delimitation will be described at the publication of exam assignments.

5.7. Special exam conditions

The school can depart from the normal conditions for an individual exam should there be special circumstances that affect a student such as physical or mental disabilities, for students whose mother tongue is other than Danish and for students with other conditions that could affect their performance in the exam situation.

5.8. Re-sit examination

Re-sit examination will be held as soon as possible after the original examination. The grounds for re-sit examination – of a group project or an individual project – depend on a professional assessment of the reason why re-examination is necessary.

Re-examination of a Group Project. The test is conducted in the same way as the ordinary exam. The new project can either be based on the same problem as the project that formed the basis for the ordinary exam, or on a new problem.

Re-examination of an Individual Project. The project can either be based on the same problem as the project that formed the basis of the ordinary test, or on a new problem.

The exam serves the same purpose as the ordinary exam, but as the project is carried out individually, teamwork is not included. Instead, the School attaches importance to the requirements that the student can work methodically and plan his/her work independently based on the leading principles of the project description.

Re-sit examination on grounds of sickness or other acceptable reasons

Re-sit examination on ground of sickness or other acceptable reasons will be held as soon as possible after the original examination.

If the School assesses that the student has participated to an acceptable degree in the project, this exam will be held as an individual test based on the group project.

If the School assesses that the student has not participated to an acceptable degree in the project, an examination will be held as an individual project examination.

5.9. Examination language

Examination will take place in the primary language of instruction.

5.10. Start-of-study test

Each School may decide that a student must take and pass a start-of-study test in order to continue the study.

5.11. Use of own or someone else's work (plagiarism)

Notice shall be given to the School if assumption arises during an examination that a student has procured or given undue help, made someone else's work appear as their own or without due reference re-used their own work which has previously been evaluated. If the assumption is confirmed and the action has had or might have had impact on the evaluation, the School will expel the student from examination.

5.12. Rules on cheating and disturbance at an examination

If a student has procured or given undue help to or from another student in solving an assignment or makes use of aids not allowed must be expelled from the examination by the School.

If a student disturbs an examination, the School may expel the student from the examination. In less serious circumstances, the School will first issue a warning.

If the exam is disturbed by some unauthorized person or an unexpected event, and the exam has been interrupted, the student has a right to start again. The person in question should be removed by the examiner, external examiner and if necessary another teacher so that the student can conduct and finish the exam.

Rules on lateness or non-attendance at an oral exam

If a student is late for an exam, the school will offer the student the opportunity to sit the exam the same day. If the student is late other than on the planned day, this will be judged to be a failure to attend and the consequences are described in the rules below.

Non-attendance at an exam renounces the student's rights to the relevant exam in the relevant exam period. The student will have used one of the three attempts, and can re-sit the exam at the first available re-sit period.

5.13. Group establishment and work

A group is established when the members have informed the teacher/coach that is in charge of the process of establishing the groups. The group formation process is not finished before all in the class/semester is in a group. When the groups are formed, and one is formally a member of a group, all material that is produced by the group belongs to the members of that group.

The group size is described in the exam project description. The head of studies can grant a dispensation from the group size on the basis of a written application, which should be sent during the exam project period.

In case of a group splitting up

If a group decides to split up in the middle of a period, the material that they have been working on before that point belongs to all and should be made accessible to all members. A group is not formally split up until the group's coach has been informed.

In the case of exclusion

In the case of the exclusion of a group member from a group, the excluded group member can have access to the material that they have worked on themselves. A member cannot be excluded until the group's coach has been informed.

5.14. Exams taken abroad

If a student wishes to take a test abroad, this can be granted on the basis of a written application to the head of studies before the start of the exam project period. The head of studies will lay down the requirements to the execution of the exam in the letter of approval. All additional expenses related to the exam arrangements abroad, must be covered by the student.

6. Other rules governing the education

6.1. Rules on mandatory attendance

Rules may be set by the individual school.

6.2. Credit transfer

Regulations about credit transfer may be set by the individual school.

A student who wishes to transfer credits from studies at other Danish or international Schools should apply directly to their own School.

6.3. Deals on credit transfer regarding the common part of the Curriculum

Rules may be set by the individual school.

6.4. Credit transfer regarding local parts of the Curriculum

Rules may be set by the individual school.

6.5. Study activity

Rules may be set by the individual school.

6.6. Expulsion on grounds of lack of study activity

To be determined by the individual school

6.7. Rules of exemption

Under special circumstances, the school may grant exemption from the rules in this Curriculum that are not bound by Acts or Orders.

6.8. Complaints

Complaints about the assessment, exam process etc. should be submitted to the school at the latest two weeks after the exam grade has been published to the students. Guidance can be found at www.kvu-censor.dk.

Complaints about decisions based on this curriculum should be submitted to the school no more than two weeks after the decision has been announced to the person in question. The student can submit the decisions of the school to the Danish Ministry of Education if the complaint regards legal matters.

The complaint must be submitted to the School, but addressed to the Danish Ministry of Education, no more than two weeks after the decision has been announced to the person in question. The School will write a statement about which the complainant is entitled to comment within one week. The School will then forward the complaint, the School's statement, and the comments of the complainant, if any, to the Danish Ministry of Education.

7. Local part-curriculum

7.1 Programme elements and modules

Cf. chapter 3 in the main curriculum.

Methods of Teaching and Studying

The teaching is conducted as a combination of classroom teaching, lectures, workshops, study groups, exercises and major projects. The organisation of the teaching is based on relevant business practice and applied theory.

The programme also comprises teaching methods that will enable the student to develop his/her independence and interpersonal skills as well as an aptitude for being innovative. To the extent it is relevant, that teaching in entrepreneurship, innovation and the interaction between different cultures is part of the programme.

Project work

The university puts emphasis on project work and organization contact. With the project method of study, the students gain an important experience of group work. Through a problem oriented study environment, they gain experience of problem formulation and problem solving. Therefore, the process and methods are an important part of the learning environment, and are also part of the basic development in the tests and exams.

Practice-related learning

The teaching is cross-disciplinary and practice-oriented. It primarily takes place in an open learning environment which substitutes normal classroom teaching. The teaching environment is designed to be flexible so that teachers and students can meet formally and informally in connection with interdisciplinary problem solving in projects and exercises for organizations and businesses.

5th semester – Optional modules (electives)

Each optional module will be evaluated internally or externally through a test. The test could be oral, project oriented or written, depending on the content and working practice of the optional modules offered. The test will either be individual or group based.

The university will publish a course description for each optional module. It will include the learning goals and the ECTS covered, a description of the type of examination and evaluation, requirements for deliveries, assessment and conditions for re-examinations.

The Study Board may allow students to take elements of this programme (or parts of it) at another educational institution, provided that such elements correspond to programme elements of this programme. If such programme elements have been assessed in accordance with the 7-point scale at the examining educational institution, and provided that it corresponds to an entire course as described in these programme regulations, the grade will be transferred. In all other cases, the assessment will be transferred as "passed" and will not form part of the grade average.

Language of instruction

All subjects will be taught in English and all exams, tests and assignments must be done in English.

Internship

The internship takes place on the 6th semester. During the internship the student is affiliated with one or more private or public organizations. The aim of the internship is to provide the student with a practical understanding of how the different theories and concepts developed in the Business Economics and Information Technology programme can be applied to specific organizational environments.

The internship covers a 20-week period from January/February to June, during which the student must work in the company/organization for at least 30 hours per week. The university assigns a supervisor to each student who will conduct meetings at the company/organization where the internship takes place with the participation of the student and the contact person at the company.

The internship must be unpaid. It is allowed to have a student job in the company where the

student is in internship.

The internship allows the student to continue the specialization and reflection process from the previous semester. It is also an opportunity to find a problem area for the bachelor project.

The internship on the 6th semester of the programme can be performed abroad.

Studies abroad/internationalisation

Study abroad should take place at the 5th semester. The learning goals of the courses taken abroad should be equivalent to the learning goals of the Business Economics and Information Technology programme.

Motivation

An important condition for successful completion of the period of study is that each student shall actively participate in teaching, project work and coaching meetings. It is expected that the students will take responsibility for their own learning, which requires motivation and engagement, independence, showing initiative as well as developing a critical outlook. It is important that they take responsibility for the production of their own work, not least during the project periods.

Compulsory attendance

Examinations completed through attendance at lessons require active, regular and satisfactory participation in the course in question. Active participation means that the student participates in the activities associated with the teaching (general preparation, oral presentations, minor written assignments, etc.). The teacher specifies at the start, what is understood by means of active participation including how many tasks are to be prepared. Regular participation means participation in at least 80% of the lessons offered. Satisfaction means that the written presentations and assignments must be passed.

7.2 Exam regulations

Cf. chapter 5 in the main curriculum.

If there are special exam regulations, these will be described in the course descriptions.

First Year Exam

For students to continue the programme, the First Year Exam must have been passed by the end of the fourth semester after the start of the programme.

The Study Board may grant exemptions in extraordinary circumstances such as childbirth etc.

Exam registration

Students are automatically registered for an examination or examinations when they have registered for a subject or subject elements with which one or more examinations are associated. Withdrawal of registration is not possible, and students who fail to participate in an examination

have used an examination attempt, unless the university has granted an exemption pursuant to the examination.

If failing the ordinary exam, students will automatically be signed up for the re-examination in the same examination period. As with the ordinary exam, students are not allowed to withdraw from the re-examination.

Special examination conditions

The Study Board may dispense from the existing exam provisions for the individual exam with a view to allowing special exam conditions for students who are physically or mentally disabled if such special conditions are deemed necessary in order to ensure that such disabled students sit for exams on equal terms with the other students and provided that such special conditions do not contribute to a lowering of the academic level.

Students seeking permission to take an exam on special conditions must submit an application to the Study Board not later than one month prior to the exam, enclosing the necessary information.

Make-up exams and re-examination

Students who are able to provide documentation that due to illness etc. they have not been able to complete an ordinary exam are entitled to participate in a make-up exam/re-examination. Illness includes accidents as well as serious illness and death in the immediate family. In the case of other extraordinary matters preventing a student from participating in an exam, the matter may be submitted to the Study Board, who may decide to allow the student to participate in a make-up examination. Documentation for illness etc. (doctor's certificate) must be submitted to the Examination Office not later than three days after the exam date in question.

7.3 Other conditions

Cf. chapter 6 in the main curriculum.

Credit transfer

The student is obliged to provide information on completed programme elements from another Danish or foreign higher education programme and on employment for which it is assumed that credit transfer will be granted.

The individual school approves credit transfer based on completed programme elements and employment comparable to subjects, programme components and internships. The decision is based on an academic evaluation.

In case of preliminary approval of a study stay in Denmark or abroad, the student is obliged, after completing the study stay, to document the programme elements completed during the approved study stay. Upon obtaining the preliminary approval, the student must consent to the institution requesting the necessary information after the student has completed the study stay. Upon approval according to the above stated, the programme element is deemed to have been completed if it has been passed in accordance with the rules on the programme in question.

Decisions on credit transfer, including pre-approved credit transfer is published at the website of the individual school. Under the ministerial order, successfully completed programme elements equate to corresponding ones at other universities that offer similar programmes under the terms of this order.

A student who wishes to transfer credits from studies at other Danish or international Schools should apply directly to their own School.

Time limit for completion of the study programme

Cf. section 5 of the Order on Academy Profession and Professional Bachelor's Programmes.

Students are obliged to participate in the study programme in accordance with the rules set out in the curriculum, including rules on compulsory attendance, if any, for parts of the programme.

Programmes with a prescribed period of study equivalent to up to 120 ECTS points must be completed at the latest within a number of years corresponding to twice the prescribed period of study. Other programmes must be completed at the latest within a number of years corresponding to the prescribed period of study plus two years. If special circumstances apply, the institution may grant exemptions from the final date for completion of the programme.

The Faculty's additional provisions:

The following rule enters into force on 1 September 2016 from which date the deadline for completing the Professional Bachelor's programme is counted at the earliest.

The deadline for completing the Professional Bachelor's programme is five and a half years after commencing the study. If the student does not meet the stated requirements, enrollment will be canceled.

The rule applies from 1 September 2016 for students who at the effective date are enrolled at the Faculty of Business and Social Sciences, as well as students who enroll after the effective date.

Rules on active study

Cf. 39 Order on Admission to Academy Profession and Professional Bachelor Programmes.

The educational institution may stipulate that enrollment is terminated for students, who have not passed at least one exam for a consecutive period of at least 1 year.

Rules set by the educational institution regarding the study start test and the first-year examination cf. the Order on Tests in the Vocational Higher Educations, applies regardless of regulations established pursuant to the above stated. The educational institution may grant exemptions from the rules, if exceptional circumstances exist.

The Faculty's additional provisions:

The University terminates the enrollment for students, who have not passed at least one exam for a consecutive period of at least one year.

The Study Board may grant exemptions from above stated study activity requirement, if exceptional circumstances exist.

Leave of absence

If required for personal reasons, students may be granted leave of absence from the programme.

Dispensation from the Curriculum

In special circumstances, University of Southern Denmark can give dispensation from the regulations in the Curriculum that are not bound by the Acts and Orders.

Validity

This curriculum applies to students who begin their studies in September 2015 and later.

University of Southern Denmark

/The local part-curriculum was approved 20. October 2015 by the Dean of the Faculty of Business and Social Sciences, University of Southern Denmark.