

## Master level courses open to exchange students autumn 2023 - Business Economics and Administration

Course Group 1 - Finance						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc Finance	1st semester	<a href="#">Corporate Finance</a>	10	460172U001	WOAI	Upon entering the course, students are expected to know basic finance equivalent to the bachelor course "Finance" (valuing projects and firms, capital structure, option pricing).
MSc Finance	1st semester	<a href="#">Asset Pricing</a>	10	460172U011	ORAL	Upon entering the course, students are expected to know asset pricing equivalent to the course "Finance" (mean-variance analysis, CAPM), econometrics and quantitative methods equivalent to the course "Quantitative Research Methods" (OLS, hypothesis testing), microeconomics equivalent to the course "Business Economics" (utility functions and equilibrium), and basic calculus, algebra, and probability theory.
MSc Finance	1st semester	<a href="#">Applied Financial Econometrics</a>	10	460182U001	WOAI	When entering the course, the students are expected to know elementary mathematics and elementary statistics corresponding to the HA courses Mathematics, Statistics, and Quantitative Methods.
Course Group 2 - Finance and International Business						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc Finance and International Business	1st semester	<a href="#">Corporate Finance</a>	10	460172U001	WOAI	Upon entering the course, students are expected to know basic finance equivalent to the bachelor course "Finance" (valuing projects and firms, capital structure, option pricing).
MSc Finance and International Business	1st semester	<a href="#">Applied Econometric Methods</a>	10	460182U028	WOAI	Basic mathematics and statistics equivalent to the courses Math (460141U003), Statistics (460141U004), Quantitative Research Methods (460141U034).
MSc Finance and International Business	1st semester	<a href="#">International Finance</a>	10	460192U008	WOAI	Upon entering the course, students are expected to know corporate finance and asset pricing equivalent to the course "Finance" (mean-variance analysis, CAPM), econometrics and quantitative methods equivalent to the course "Quantitative Research Methods" (OLS, hypothesis testing), microeconomics equivalent to the course "Business Economics", and basic calculus, algebra, and probability theory.
Course Group 3 - Operations and Supply Chain Analytics						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc Operations and Supply Chain Analytics	1st semester	<a href="#">Tools for Analytics</a>	5	460202U013	WOAI	Anyone with a Bachelor's degree in economics and business administration can follow the course. The student must have proper knowledge of basic use of Excel.
MSc Operations and Supply Chain Analytics	1st semester	<a href="#">Optimisation for Prescriptive Analytics</a>	10	460202U006	WHAI	This course requires completion of Operations Management or course elements at a level corresponding to it.
MSc Operations and Supply Chain Analytics	1st semester	<a href="#">Business Process Modelling and Simulation</a>	5	460202U008	WHAI	Bachelor degree in Economics and Business Administration.

MSc Operations and Supply Chain Analytics	1st semester	<a href="#">Supply Chain Design and Management</a>	10	460152U096	WOA	It is recommended that the student is familiar with basic concepts in operations and supply chain management and in management science.
<b>Course Group 4 - Business Intelligence</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
MSc Business Intelligence	1st semester	<a href="#">Database Management and Data Visualization</a>	10	460222U030	WOAI	
MSc Information Management	1st semester	<a href="#">Business Intelligence</a>	5	460222U029	WOAI	
MSc Business Intelligence	1st semester	<a href="#">Machine Learning for Business Intelligence 1</a>	10	460202U016	WOA	Basic concepts in Statistics.
MSc Business Intelligence	1st semester	<a href="#">Business Forecasting</a>	5	460202U010	WOAI	Students are expected to have taken Quantitative Research Methods, or an equivalent course that covers regression analysis with a good understanding of the statistical methodology used.
<b>Course Group 5 - International Economic Consulting</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
MSc International Economic Consulting	1st semester	<a href="#">Econometric Methods in Economic Consulting</a>	10	460162U002	WOAI	Elementary mathematics and statistics + knowledge of econometrics at a level equivalent to chapters 1-9 in J.M. Wooldridge (2018), "Introductory Econometrics: A Modern Approach, 7th Edition" ISBN-13: 978-1-337-55886-0.
MSc International Economic Consulting	1st semester	<a href="#">Developing and Emerging Economies</a>	5	460202U011	WOAI	
MSc International Economic Consulting	1st semester	<a href="#">Organisational Economics and Strategy</a>	5	460152U057	WOAI	
MSc International Economic Consulting	1st semester	<a href="#">Cost Benefit Analysis</a>	10	460152U056	WHAI	Undergraduate courses in micro and macro economics.
<b>Course Group 6 - ECON</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
Elective course	3rd semester	<a href="#">Foundations of Quantitative Empirical Methods</a>	10	460222U027	WHAI	The equivalent of a bachelor's degree in Economics and Business Administration, in Political Science, or in Psychology.
Elective course	3rd semester	<a href="#">AI for Business Intelligence</a>	10	460222U026	WHAI	Students should have working knowledge of machine learning and intermediate Python experience including DL frameworks (TensorFlow or PyTorch) equivalent to the course Machine Learning for Business Intelligence 2.
Elective course	Not specified	<a href="#">Revenue Management</a>	5	460162U016	WHAI	Fundamental knowledge on Linear Programming, Statistics and Simulation; Ability to using Excel Solver to solve LP problems.
Elective course	Not specified	<a href="#">Digital Business Development</a>	10	460172U010	WHAI+ORAL	Bachelor's degree in Business Administration.
Elective course	3rd semester	<a href="#">Reinforcement Learning for Business</a>	5	460222U006	ORAL	The student must be familiar with the programming environment R. It is an advantage to have knowledge of statistics at a level of Machine Learning for Business Intelligence 1, Tools for Analytics, Applied Financial Econometrics, Applied Econometrics Methods or Econometric Methods in Economic Consulting.
Elective course	3rd semester	<a href="#">Unsupervised learning with Python</a>	5	460222U005	ORAL	Machine Learning for Business Intelligence 2 or similar.

Elective course	Not specified	<a href="#">Real Estate Finance and Investments</a>	5	460182U006	WOAI	The purpose of the course is to present learning of a framework, a corpus of principles, methods, and knowledge, at a level that the typical graduate student can readily understand. Though a knowledge of basic finance equivalent to the bachelor course "Finance" would be helpful, you do not necessarily need to have a background in real estate or in urban economics.
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### Course Group 7 - Management Accounting and Control

Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc Management Accounting and Control	1st semester	<a href="#">Methods in Management Accounting Research</a>	10	460182U009	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
MSc. Management Accounting and Control + Elective course	1st semester	<a href="#">Strategic and Organisational Concepts for Management Control</a>	5	460152U070	ORAL	
MSc. Management Accounting and Control + Elective course	1st semester	<a href="#">Cost Management: Theories, Models and Technologies</a>	10	460152U075	WO	The student is expected to have passed exams in Business Economics, Management Accounting, and Financial Accounting at an undergraduate level.
MSc. Management Accounting and Control + Elective course	1st semester	<a href="#">Planning and Budgeting</a>	5	460152U090	WOA	At least one course at university level in management accounting and one course at university level in financial accounting. The student must understand the principles of financial accounting and how various activities are reflected in financial statements. The student must understand the various types of costs organisations incur and the relationship among them.

### Course Group 8 - Strategy, Organisation and Leadership

Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc in Strategy, Organisation and Leadership, MSc in Strategic Communication, Cand. merc.jur., cand.soc. Business Psychology	1st semester	<a href="#">Organisational Theory</a>	10	460152U011	WHAI	
MSc. Strategy, Organisation and Leadership	1st semester	<a href="#">Methods in Management and Organisation Research</a>	10	460182U013	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
MSc. Strategy, Organisation and Leadership	1st semester	<a href="#">Strategic Leadership: Psychology and Practice</a>	10	460202U012	WOAI	

### Course Group 9 - International Business

Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
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MSc International Business	1st semester	<a href="#">Emerging Markets, their Institutions and Challenges</a>	10	460152U018	WOAI	
MSc International Business	1st semester	<a href="#">The Emergence of Global Enterprises</a>	10	460152U009	WHAI+ORAL	
MSc International Business	1st semester	<a href="#">Methods in International Business Research</a>	10	460182U018	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
<b>Course Group 10 - Marketing</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
MSc Marketing and MSc B2B Marketing and Purchasing	1st semester	<a href="#">Marketing Theory</a>	5	460182U010	WOAI	Bachelor courses in marketing.
MSc Marketing	1st semester	<a href="#">Customer Value and Innovation</a>	5	460152U066	WOAI	
MSc Marketing	1st semester	<a href="#">Economic Psychology</a>	10	460152U020	WOMC+WOAI	The student should have a social science bachelor degree including a basic course in statistics for social sciences.
MSc Marketing	1st semester	<a href="#">Marketing Research Methods</a>	10	460182U014	WHAI+ORAL	All participants are expected to have prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
<b>Course Group 11 - B2B</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
MSc Marketing and MSc B2B Marketing and Purchasing	1st semester	<a href="#">Marketing Theory</a>	5	460182U010	WOAI	Bachelor courses in marketing.
MSc. Business-to-Business Marketing and Purchasing	1st semester	<a href="#">Innovation in Buyer-Supplier Relationships</a>	5	460182U011	ORAL	
MSc. Business-to-Business Marketing and Purchasing	1st semester	<a href="#">Business-to-Business Marketing Research Methods</a>	10	460182U017	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
<b>Course Group 12 - Commercial and Retail Management</b>						
<b>Study programme</b>	<b>Semester</b>	<b>Course Title</b>	<b>ECTS</b>	<b>Course Number</b>	<b>Exam Type</b>	<b>Specific Pre-requisites/Comments</b>
MSc in Commercial and Retail Management	1st semester	<a href="#">Introduction to Value Chain Management</a>	5	460202U003	WHAI	BSc in Economics and Business Administration or equivalent.
MSc in Commercial and Retail Management	1st semester	<a href="#">Retail Strategy and Commercial Innovation</a>	10	460202U020	WHAI+WOA	BSc in Economics and Business Administration or equivalent.
MSc in Commercial and Retail Management	1st semester	<a href="#">Consumer Behaviour in a Retail Setting</a>	5	460202U009	WOAI	BSc in Economics and Business Administration or equivalent.

MSc in Commercial and Retail Management	1st semester	<a href="#">Commercial and Retail Research Methods</a>	10	460202U004	WHAI+ORAL	All participants are expected to have prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
<b>Course Group 13 - Innovation Management and Business Development</b>						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc. Innovation Management	1st semester	<a href="#">Innovation Management Research</a>	10	460182U015	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
MSc. Innovation Management	1st semester	<a href="#">Appropriating Innovation, Managing Intellectual Property</a>	5	460162U013	WOA	Bachelor in business, economics or related areas.
MSc. Innovation Management	1st semester	<a href="#">Classic Readings in Innovation and Entrepreneurship</a>	5	460162U010	WHAI	Bachelor in business, economics or related areas.
MSc. Innovation Management	1st semester	<a href="#">Innovation Challenge: Hands-on Project</a>	10	460162U011	WHAI+ORAL	Bachelor degree in business or other related fields.
<b>Course Group 15 - Strategic Communication</b>						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc. Strategy, Organisation and Leadership	1st semester	<a href="#">Methods in Management and Organisation Research</a>	10	460182U013	WHAI+ORAL	All participants are expected to have a prior knowledge of methodology and statistics that is equivalent to that obtained during a BSc in Economics and Business Administration at Aarhus University.
MSc. Strategy, Organisation and Leadership	1st semester	<a href="#">Strategic Leadership: Psychology and Practice</a>	10	460202U012	WOAI	
MSc in Strategy, Organisation and Leadership, MSc in Strategic Communication, Cand. merc.jur., cand.soc. Business Psychology	1st semester	<a href="#">Organisational Theory</a>	10	460152U011	WHAI	
<b>Course Group 16 - MGMT Elective Courses 1</b>						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
Elective course	Not specified	<a href="#">CSR and Sustainable Business</a>	10	460222U003	WHAI	
Elective course	Not specified	<a href="#">Process Consultation and Change Processes</a>	10	460162U021	WHAI+ORAL	Recommended prerequisites: It is recommended that students have a basic understanding of organisation theory and organisational behavior.
Elective course	Not specified	<a href="#">Brand Management and Market Analysis</a>	10	460162U052	WHAI	Students should have a fair training in marketing and market research. No particular knowledge of statistics is required, but some knowledge in using MS Excel is an asset.
Elective course	Not specified	<a href="#">Nudging</a>	10	460192U022	WHAI+ORAL	
Elective course	Not specified	<a href="#">Business Negotiation</a>	5	460162U020	WHAI	Participants should be familiar with the basic principles of organisational behaviour, organisational theory and decision theory.
<b>Course Group 17 - MGMT Elective Courses 2</b>						

Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
Elective course	3rd semester	<a href="#">Strategic Foresight</a>	10	460192U021	WHAI+ORAL	
Elective course	Not specified	<a href="#">Solving Business Problems with R</a>	10	460202U028	WHAI+ORAL	
Elective course	Not specified	<a href="#">People Strategy in Startups</a>	10	460212U019	WHAI	
Elective course	Not specified	<a href="#">Neuroscience for Business</a>	10	460222U035	WHAI	Students need not have any prior knowledge of neuroscience. Completion of courses in qualitative & quantitative research methods as well as philosophy of science is an advantage.
<b>Course Group 22 - Cand.soc.</b>						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
Elective course	Not specified	<a href="#">Nudging</a>	10	460192U022	WHAI + ORAL	
Elective course	Not specified	<a href="#">Solving Business Problems with R</a>	10	460202U028	WHAI + ORAL	
MSc Innovation Management + Elective course.	1st semester	<a href="#">Innovation Challenge Hands on Project</a>	10	460162U011	WHAI + ORAL	Bachelor degree in business or other related fields.
<b>Other business courses - electives</b>						
Study programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
Elective course	Not specified	<a href="#">Sustainable Production and Consumption The Cross Disciplinary Challenge</a>	5	460202U030	WHAI	
Elective course	Not specified	<a href="#">Sustainable Production and Consumption The Cross Disciplinary Challenge</a>	10	460202U031	WHAI	
<b>Master level courses open to exchange students autumn 2023 - Economics</b>						
<b>Course Group A - Economics</b>						
Study Programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc -Economics and Management	Not specified	<a href="#">Politics and Economics of the EU</a>	10	461192U004	WO	Basic micro- and macroeconomics. In addition, participants are expected to have some basic knowledge of EU institutions.
MSc -Economics and Management	Not specified	<a href="#">The Economics of the Welfare State</a>	10	461152U010	ON	Basic principles of microeconomics (household and firm models, equilibrium notions), macroeconomics (overlapping generations models, fiscal policy) and mathematics.
MSc -Economics and Management	Not specified	<a href="#">Microeconometrics</a>	10	461152U065	WHAI + ORAL	Recommended courses: 3620: Econometrics I or 3625: Econometrics of Policy Evaluations.
MSc -Economics and Management	Not specified	<a href="#">Financial Econometrics</a>	10	461172U001	WHAI	Recommended: Econometrics I + Programming in Quantitative Economics.
<b>Course Group B - Economics</b>						
Study Programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc -Economics and Management	Not specified	<a href="#">Applied Micro Econometrics (P)</a>	10	461152U013	WHAI + ORAL	Recommended: Econometrics 1.

MSc -Economics and Management	Not specified	<a href="#">Financial Engineering</a>	10	461202U015	WHAI + ORAL	Upon entering the course, students are expected to have a solid understanding of the Black-Scholes framework, no-arbitrage pricing theory, and working knowledge of stochastic processes/calculus equivalent to what is covered in the master's course "Derivatives". Prospective course participants should also note that Financial Engineering is a quantitative course and that a familiarity with programming and a desire to work with advanced mathematics and mathematical models are expected.
MSc -Economics and Management	Not specified	<a href="#">Time Series Econometrics</a>	10	461152U066	ORAL	Recommended courses: Econometrics I.
MSc -Economics and Management	Not specified	<a href="#">Machine Learning Methods in Empirical Economics</a>	10	461182U001	ORAL	Students must have prior knowledge of some relevant software for computation and data analysis, e.g., R. Recommended courses: 3620 - Econometrics I / 3625 - Econometrics of Policy Evaluation 3611 - Programming in Quantitative Economics.
MSc -Economics and Management	Not specified	<a href="#">Development Economics</a>	10	461222U004	WHAI + ORAL	The course requires knowledge, skills and competences in intermediate microeconomics, expected utility theory, and intermediate econometrics.
<b>Course Group C - Economics</b>						
Study Programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc -Economics and Management	Not specified	<a href="#">Micro 2</a>	10	461182U003	ON	The course requires knowledge, skills and competences in the areas of: Game theory (static and dynamic games of complete and incomplete information) Mathematics (integration and differentiation, constrained and unconstrained optimization with several variables) Statistics (probability distributions, expectations) Intermediate microeconomic theory (consumer theory, partial and general equilibrium, market failure) Contract theory (basic foundation of models of hidden action and hidden information) as acquired e.g. in the course 3410: Micro 1.
MSc -Economics and Management	Not specified	<a href="#">Macro 2</a>	10	461202U001	ON	The course requires knowledge, skills and competences in the areas of: Intermediate macroeconomic theory (IS-LM model, Solow model). While Macro 2 is taught as a self-contained course, knowledge of 3505: Macro 1 (neoclassical growth model, consumption and investment) will be helpful. Mathematics (integration and differentiation, optimisation with several variables). Statistics (expectations). Helpful will be knowledge of basic microeconomic theory (consumer theory, producer theory, partial and general equilibrium, welfare theorems, market failure).

MSc -Economics and Management	Not specified	<a href="#">Health Economics</a>	10	461152U042	ORAL	It is recommended that students have some knowledge of causal inference and have taken at least one of the following subjects: 4407: Labour Economics 4425: Micro 2 4615: Microeconometrics.
MSc -Economics and Management	Not specified	<a href="#">Economics of Marketing</a>	10	461152U056	WO	Interest in applying economic thinking and modelling to business settings is recommended. Familiarity with basic microeconomic concepts and models, such as monopoly and oligopoly models, is expected. Working knowledge of game-theoretic concepts, such as strategy, Nash equilibrium and subgame perfect equilibrium, is expected.
Course Group D - Economics						
Study Programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments
MSc -Economics and Management	Not specified	<a href="#">Environmental Economics (P)</a>	10	461192U005	WHAI - ORAL	Recommended: Solid knowledge of empirical methods and microeconomics.
MSc -Economics and Management	Not specified	<a href="#">Labour Economics</a>	10	461152U004	ORAL	Microeconomics and econometrics corresponding to the levels of 3410: Micro 1 and 3620: Econometrics 1.
MSc -Economics and Management	Not specified	<a href="#">International Economics</a>	10	461172U002	WO	For the part of international macroeconomics, students are expected to know basic mathematics for economics (including infinite horizon maximization problems) and microeconomics.  For the part of international trade, students are expected to know basic concepts about international trade (such as tariff, comparative advantage, gains from trade, equilibrium, etc.), and mathematical methods for economics (how to solve a static maximization problem). Students are also encouraged to get familiar with basic probability concepts (such as density functions, conditional probability, conditional expectation, etc.).
MSc -Economics and Management	Not specified	<a href="#">Economic Growth and the Environment</a>	10	461192U006	ON	General knowledge of Macroeconomic Modelling and the basic mathematical prerequisites necessary for economic modelling.  Recommended: 3505: Macro 1.
MSc -Economics and Management	Not specified	<a href="#">Accounting for Decision and Control</a>	10	461152U001	ORAL	Basic Cost/Management Accounting, Undergraduate Microeconomics.
MSc -Economics and Management	Not specified	<a href="#">Theories of the Firm</a>	10	461152U003	WO	Knowledge of microeconomics is a must.
Cross-disciplinary Seminars on Denmark						
Study Programme	Semester	Course Title	ECTS	Course Number	Exam Type	Specific Pre-requisites/Comments



Exchange student cours	n/a	<a href="#">Danish Society A: Culture, Institutions and Markets</a>	5	460201U005	WHAI	This course is particularly suited to international students and/or students with no prior knowledge of Danish culture and society wishing to get an understanding of Danish society. Although the course is offered at BA level, international exchange students enrolled in Master's programmes at their home university are also eligible for enrolment.
Exchange student cours	n/a	<a href="#">Danish Society A+B: Culture, Institutions and Markets with an International and Comparative Perspective</a>	10	460201U006	WHAI+WHAI	This course is particularly suited to international students and/or students with no prior knowledge of Danish culture and society wishing to get an understanding of Danish society. This course is particularly suited to international students and/or students with no prior knowledge of Danish culture and society wishing to get a nuanced understanding of Danish society in an international context. Although the course is offered at BA level, international exchange students enrolled in Master's programmes at their home university are also eligible for enrolment.

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