BUSINESS ACADEMY AARHUS

Curriculum 2014-2016
Joint National Part

Bachelor in Agricultural and Environmental Management

Professionsbachelor i Jordbrugsvirksomhed

Version 1.2

Tabel of contents – Joint national part

1. Scope of the curriculum

1.1 Commencement of the curriculum

This curriculum is valid for students starting in August 2014, and this joint national part applies to the following institutions:

Business Academy Aarhus
www.baaa.dk

Business Academy Lillebælt
www.eal.dk

Business Academy Sjælland
www.easj.dk

1.2 Transitional scheme

This joint national part of the curriculum is valid from 1 August 2014 and applies to present and future students signing up for this programme and for exams taking place on the mentioned date or later.
This joint national part of the curriculum replaces the 2013 version, which will not be effective from 1st August 2014. However, exams that have been started before 1 August 2014 must be completed in accordance with the former joint national curriculum and no later than 1st February 2016.

2 Admission to the programme

2.1 Admission requirements and/or distribution of subjects and admission exams, if any

Admission is in accordance with Ministerial Order no. 223 of 11 March 2014 on the admission to business academy programmes and academy profession bachelor programmes. The order is available at retsinfo.dk.

3 Core areas of the programme

The programme consists of the following core areas:

1. Analysis and Statistics (5 ECTS)
2. Theory of Science (5 ECTS)
3. HR, Strategy and Business Development (10 ECTS)
4. Market Communication, Sales and Consultancy (10 ECTS)
5. Project Management (5 ECTS)

In all 35 ECTS

In addition, there are core areas within the study programmes, which are described in section 4.

3.1 Content and learning objectives for Analysis and Statistics

Weight: 5 ECTS

Content

- Principles for the procurement of data and assessment of any uncertainties
- Planning and evaluation of market analyses
- Test methodology, planning and statistical analyses
- Analysis strategy, methods of analysis, data collection and communication of analysis results

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Statistical methods in relation to biological and economic data in agricultural and environmental management
- The statistical theory applied, how to reflect on the planning of tests and analyses and data procurement

Skills
The student will get the skills to:

- Master the collection and processing of data, methodically and analytically, for the purpose of solving tasks and issues within agricultural and environmental management
- Assess and communicate the collected data and analyses and assess their relevance in relation to practical solutions.

Competencies
The student will be able to:

- Apply relevant mathematical and statistical methods of accounting to analysis results and relate the results to practice

3.2 Content and learning objectives for Method and Theory

Weight: 5 ECTS

Content

- The perspective of the theoretical and methodological foundation in terms of creating and applying knowledge
- Purpose and hypothesis and their impact on tests in terms of design, results and interpretation
- Process, formalities and ethics regarding the preparation of major assignments

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Relevant theoretical traditions and problems and how to reflect on their practical application within agricultural and environmental management
- Relevant problems of a philosophical, theoretical and scientific/methodological nature
- The key requirements in relation to the organisation and content of major written assignments

Skills
The student will get the skills to:

- Apply and convey scientific and methodological theories and master the integration of scientific work with project and report writing within agricultural and environmental management
- Prepare problem analysis and limitation, draw up hypotheses and make methodological assessments and argue for their choice of study methods

Competencies
The student will be able to:

- Independently engage in academic and interdisciplinary work and assume responsibility within the framework of professional ethics
- Manage the preparation of reports and projects based on scientific documentation
- Independently identify the choice of method and communicate test results and suggested solutions, etc. in a clear and legible report

3.3 Content and learning objective for HR, Strategy and Company Development

Weight: 10 ECTS

Content

- National and international framework conditions for the company
- Strategy and business development (external focus)
- Strategic management theories
- HR policy, attraction and recruitment of employees
- Legislation and case law within agricultural and environmental management
- Competency development and change processes in companies
- Organisation and business development (internal focus)

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- National and international conditions for related companies and interested parties within agricultural and environmental management
- How to reflect on theoretical models regarding a company's strategic and HR related development

Skills
The student will get the skills to:

- Assess the future prospects for relevant companies in the national and international markets and present well-founded suggestions for a future strategy and development
- Communicate practical solutions for the development of the company to collaboration partners and users within agricultural and environmental management.
- Apply knowledge of companies' management and consultancy functions

Competencies
The student will be able to:

- Manage theoretical and practical problems in relation to planning, HR, strategy and company development tasks and present well-founded suggestions for a future strategy
- Independently manage complex and theoretical employee situations in a company and provide well-founded suggestions for an HR policy that promotes the goals of the company
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

3.4 Content and learning objectives for Market Communication , Sales and Consultancy

Weight: 10 ECTS

Content

- Communication theory and strategy and business communication
- The market, sales techniques and psychology
- Consultancy and negotiation technique
- National and international business culture

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Market communication, sales and consultancy within agricultural and environmental management
- Applied communication theory and how to reflect on its use in relation to consultancy, administration, management, the running of the business and teaching

Skills
The student will get the skills to:

- Apply the relevant theories and methods within communication, sales and consultancy to agricultural and environmental management
- Convey, communicate and sell knowledge within agricultural and environmental management
- Assess the value of services and products in relation to collaboration partners and users

Competencies
The student will be able to:

- Manage practical communication and sales tasks independently and in collaboration with others within the fields of biology and economics.
- Manage complex development-orientated communication and sales tasks within agricultural and environmental management
- Engage in academic and interdisciplinary work independently and assume responsibility within the framework of professional ethics where sales and communication are concerned
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

3.5 Content and learning objectives for Project Management

Weight: 5 ECTS

Content

- Identification and definition of projects
- Project planning, project management and resource management
- Methods and project management tools
- Project implementation and evaluation

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Project types, staffing, economy, project management models and tools within agricultural and environmental management
- The project theories and methods applied and how to reflect on their use in practice

Skills
The student will get the skills to:

- Apply project management and resource management theories to agriculture, the environment or nature
- Assess the relevance and application of practical project management models/tools within agricultural and environmental management
- Communicate practical solutions to collaboration partners and users

Competencies
The student will be able to:

- Address the project definition and choose a suitable management model
- Manage and balance time, economy and quality in projects
- Manage complex and development-orientated projects and form and direct project groups
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4 Core elements within the study programmes Biology and Economics

4.1 Core areas within Biology

1. Biological conversion of substances and the environment (5 ECTS)
2. Production and residual products (5 ECTS)

In all 10 ECTS

4.1.1 Content and learning objectives for Biological Substance Conversion and the Environment

Weight: 5 ECTS

Content

- Chemical and biological processes, energy flows and substance circulation

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Chemical and biological processes in soil, water and possibly livestock

- The applied theory and how to reflect on its use in practice

Skills
The student will get the skills to:

- Apply analyses of chemical and biological problems to agricultural production, the conservation of the environment or nature and the application of relevant tools
- Assess analyses of chemical and biological problems and argue and select relevant practical solution models
- Communicate practical solutions to collaboration partners and users

Competencies
The student will be able to:

- Develop practical and theoretically well-founded solution models independently and together with others for the application or utilisation of biological resources in agricultural and environmental management
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the field of biology
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4.1.2 Content and learning objectives for Production and Residual Products

Weight: 5 ECTS

Content

- Production and the environment
- Nutrients and residual products

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- The loss of nutrients, purification processes and the utilisation of residual products in relation to agricultural and environmental management
- The importance of nutrients for the environment or a product's quality, digestibility and soundness and how to reflect on their use in practice

Skills
The student will get the skills to:

- Analyse and assess the impact of agricultural production on the substance circulation and energy flows in relation to the environment or nature
- Apply relevant theory for solutions in relation to agricultural production's impact on the environment or nature
- Communicate practical solutions to collaboration partners and users

Competencies
The student will be able to:

- Collect data for independent assessment and perform analyses of the consequences of agricultural production on the environment and providing qualified solutions
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics
- Identify their own learning objectives and develop their own knowledge, skills and competencies in relation to the profession

4.2 Core areas within the study programme Economics

1. Economic analysis, calculation, business operation and production analysis (5 ECTS)
2. Market, organisation and quality development (5 ECTS)

In all 10 ECTS

4.2.1 Content and learning objectives for Economic analysis, calculation, business operation and production analysis

Weight: 5 ECTS

Content

- Business operation and production economics
- Production engineering and economic analysis
- Economic and financial calculations

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Theoretical and practical knowledge about business operation and production economics within the field of agriculture
- The applied economic theory and how to reflect on its use in practice

Skills
The student will get the skills to:

- Apply production engineering and economic business operation analysis in relation to the development of the agricultural business
- Assess the relevance of the analyses in solving practical problems
- Communicate academic problems and solutions to collaboration partners and users

Competencies
The student will be able to:

- Independently deal with complex financial and economic analyses and calculations
- Handle complex and development-orientated situations of a professional or study-related nature
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics within the field of economics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

4.2.2 Content and learning objectives for Market, Organisation and Quality Development

Weight: 5 ECTS

Content

- Market development

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- National and global market conditions that may impact on companies financially and economically
- The applied theory and how to reflect on its use in practice

Skills
The student will get the skills to:

- Analyse and assess the market, organisation and quality development of agricultural businesses and how to choose relevant solution models
- Apply theoretical and practical knowledge about national and global market conditions in relation to the development of agricultural businesses
- Communicate practical and academic problems and solutions to collaboration partners and users

Competencies
The student will be able to:

- Draw up strategies for the market, organisation and quality development of agricultural businesses independently and in collaboration with others
- Deal with complex and development-orientated situations of a professional or study-related nature
- Engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the field of economics

- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

5 Compulsory programme elementents

The compulsory programme elements are:

1. Compulsory first semester programme element (25 ECTS)
2. Compulsory second semester programme element (20 ECTS)

In all 45 ECTS

The two compulsory programme elements are both completed with an exam.

5.1 Content and learning objectives for the compulsory 1st semester programme element

Weight: 25 ECTS. On the diploma, this element is called: *"Analysis and method, - agricultural management and the environmental perspective"*.

Content

- Principles for the procurement of data and assessment of uncertainties
- Planning and evaluation of market analyses
- Test methodology, planning and statistical analyses
- Analysis strategy, methods of analysis, data collection and communication of analysis results
- The broader perspective of the scientific and methodological foundation for the creation and application of knowledge
- Purpose and hypothesis and their impact on design of tests or studies and the consequences for the results and their interpretation
- Process, formalities and ethics of working with major assignment projects
- National and international framework conditions for companies
- Strategy and business development (external focus)
- Strategic management theories
- HR policy, attraction and recruitment of employees
- Legislation and case law within the fields of agricultural and environmental management
- Competency development and change processes in companies
- Organisation and business development (internal focus)
- For Biology also:
  - Chemical and biological processes and energy flows and the cycle of substances
- For Economics also:
  - Business operation and production types
  - Production engineering and economic analysis
  - Economic and financial calculations

Learning objectives

Knowledge and understanding

The student will gain knowledge about:

- Statistical methods of accounting in relation to biological and economic data in agricultural and environmental management
- The application of statistical theory and how to reflect on the planning of tests and analyses and data procurement
- Relevant scientific traditions and problems and how to reflect on the practical application within agricultural and environmental management
- Relevant problems of a philosophical, theoretical and scientific/methodological nature
- Key requirements in relation to the organisation and content of major written assignments
- The conditions for related companies and interested parties within agricultural and environmental management at national and international level
- How to reflect on theoretical models regarding companies' strategic HR related development
- For Biology also:
  - Chemical and biological processes in soil, water, plants and possibly livestock
  - The chemical and biological theory applied and how to reflect on its use in practice
- For Economics also:
  - Theoretical and practical knowledge about operation and production economy within the field of agriculture
  - The economic theory applied and how to reflect on its use in practice

Skills

The student will get the skills to:

- Master the collection and processing of data methodically and analytically in order to solve tasks and problems within agricultural and environmental management
- Assess and communicate collected data and analyses and assess their relevance in relation to practical solutions
- Apply and communicate scientific and methodological theories and master the integration of scientific work with project and report writing in the fields of agricultural and environmental management
- Prepare problem analysis and define scope, construct hypotheses and make methodological assessments and give reasons for choice of study methods
- Assess the future potential for relevant businesses in the national and international market and give reasons for the choice of future strategy and development
- Communicate practical solutions regarding the development of the businesses to collaboration partners and users within agricultural and environmental management
- Apply knowledge about companies' management and consultancy functions

- For Biology also:
  - Apply analyses of chemical and biological problems to agricultural production, the conservation of the environment and nature and apply relevant tools for this purpose
  - Assess analyses of chemical and biological problems and give reasons for and choose relevant practical solution models
  - Communicate practical solutions to collaboration partners and users
- For Economics also:
  - Apply production engineering and economic operations analysis in relation to the development of the agricultural business
  - Assess the relevance of the analyses in relation to solving practical problems
  - Communicate professional problems and solutions to collaboration partners and users

Competencies
The student will be able to:

- Manage relevant complex mathematical and statistical methods of accounting for analysis results and relate the results to practice
- Independently engage in academic and interdisciplinary collaboration regarding statistics and assume responsibility within the framework of professional ethics
- Manage the preparation of reports and projects based on scientific documentation
- Independently identify choice of method and convey the results and suggestions for solutions, etc. in a clear and legible report
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics where choice of method and report writing are concerned
- Handle theoretical and practical problems in relation to planning, HR, strategy and business development tasks and present well-founded suggestions for a future strategy
- Independently handle complex and practical employee situations in a company and give well-founded suggestions for a HR policy that enhances the goals of the company
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession
- For Biology also:
  - Independently and in collaboration with others develop practical and theoretically well-founded solutions for the application or utilisation of biological resources in agricultural and environmental management
  - Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the field of biology
  - Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession
- For Economics also:
  - Independently manage complex financial analyses and calculations

- Handle complex and development orientated situations in a job or study related context
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the area of economics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

5.1.1 Assessment

The exam is assessed according to the 7-point scale and is weighted 25 ECTS[1].

The learning objectives for the programme element are identical to the learning objective for the exam.

For information on exam form and organisation, please refer to the institutional part of the curriculum.

5.2 Content and learning objectives for the compulsory 2nd semester programme element

Weight: 20 ECTS On the diploma, this element is called: *"Development and Communication, - Agricultural Management in an Environmental Perspective"*.

Content

- Communication theory and strategy, and business communication
- The market, sales techniques and psychology
- Consultancy and negotiation techniques
- National and international business culture
- Project identification and definition
- Project planning, project management and resource management
- Methods and tools for project management
- Project implementation and evaluation
- For Biology also:
  - Production and the environment
  - Nutrients and residual products
- For Economics also:
  - Market development

Learning objectives

Knowledge and understanding
The student will gain knowledge about:

- Market communication, sales and consultancy in agricultural and environmental management

[1] Add to this 5 ECTS from the Elective programme elements. See the Institutional part of the curriculum.

- Applied communication theory and how to reflect on its application in relation to consultancy, administration, management, the running of a company or for teaching purposes
- Project types, staffing, economy, project management models and tools in agricultural and environmental management
- Applied project theories and methods and how to reflect on their use in practice
- For Biology also:
  - Loss of nutrients, purification processes and utilisation of residual products in relation to agricultural and environmental management
  - Nutrients' importance to the environment or a product's quality, digestion and health, and how to reflect on its use in practice
- For Economics also:
  - National and global market conditions that may influence companies economically and financially
  - The applied theory and how to reflect on its use in practice

Skills

The student will get the skills to:

- Apply relevant theories and methods in communication, sales and consultancy in relation to agricultural and environmental management
- Convey, communicate and sell knowledge within the fields of agricultural and environmental management
- Assess the value of services and products in relation to collaboration partners and users
- Apply project management and resource management theories in relation to agricultural and environmental management
- Assess the relevance of and apply practical project management models/tools within agricultural and environmental management
- Communicate practical project solutions to collaboration partners and users
- For Biology also:
  - Analyse and assess the impact of agricultural production on the cycle of substances and energy flows in relation to the environment or nature
  - Apply relevant theories for solutions to the impact of agricultural production on the environment or nature
  - Communicate practical solutions to collaboration partners and users
- For Economics also:
  - Analyse and assess market, organisation and quality development of agro businesses and choose relevant solution models
  - Apply theoretical and practical knowledge about national and global market conditions in relation to the development of agro businesses
  - Communicate practical and academic problems and solutions to collaboration partners and users

Competencies
The student will be able to:

- Independently and together with others handle practical communication and sales tasks within the fields of biology and economics
- Handle complex development orientated communication and sales tasks within agricultural and environmental management
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in sales and communication
- Handle the project definition and choose an appropriate management model
- Handle time management, economy and quality of projects and evaluate the balance between these parameters
- Handle complex and development orientated projects and establish and lead project groups
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in project management
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession
- For Biology also:
  - Independently gather assessment data and carry out analyses of the environmental consequences of agricultural production and come up with qualified solutions
  - Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics
  - Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession
- For Economics also:
  - Independently and together with others design strategies for the development of the market, organisation and quality of the agro business
  - Handle complex and development orientated situations in work or study-related contexts
  - Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics in the area of economics
  - Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

5.2.1 Assessment

The exam is assessed according to the 7-point scale and is weighted 20 ECTS[2].

The learning objectives for the programme element are identical to the learning objective for the exam.

[2] Add to this 10 ECTS from the Elective programme elements. See the Institutional part of the curriculum.

For information on the exam form and organisation, please refer to the institutional part of the curriculum.

5.3 Number of exams for the compulsory programme elements

The two compulsory programme elements are each completed with an external exam. For an overview of the exams of the programme, see the section "Overview of the exams".

The ECTS connection between the core areas and the compulsory programme elements is illustrated in the below overview.

Table: Connection between core areas and compulsory elements for the study programme Biology

Core areas/Compulsory programme elements	Compulsory element first semester	Compulsory element second semester	In all
Analysis and statistics	5 ECTS		5
Method and theory	5 ECTS		5
HR, strategy and business development	10 ECTS		10
Market communication, sales and consultancy		10 ECTS	10
Project management		5 ECTS	5
Biological substance conversion and the environment	5 ECTS		5
Production and residual products		5 ECTS	5
In all	25 ECTS	20 ECTS	In all 45 ECTS

Table: Connection between core areas and compulsory elements for the study programme Economics

Core areas/Compulsory programme elements	Compulsory element first semester	Compulsory element second semester	In all
Analysis and statistics	5 ECTS		5
Method and theory	5 ECTS		5
HR, strategy and business development	10 ECTS		10
Market communication, sales and consultancy		10 ECTS	10
Project management		5 ECTS	5
Economic analysis, calculation, business operation and production analysis	5 ECTS		5
Market, organisation and quality development		5 ECTS	5
In all	25 ECTS	20 ECTS	In all 45 ECTS

For a description of the learning objectives for the Elective programme elements/projects, please refer to the institutional part of the curriculum.

6 Internship

The internship is weighted 15 ECTS and is completed with an internal examination assessed according to the 7-point scale. Exam form and organisation is determined by the individual institution and is described in the institutional part of the curriculum.

6.1 Learning objectives for the internship

Knowledge and understanding
The student will gain knowledge about:

- The practice of the profession and the subject area
- How to reflect on practice based on theory and method

Skills
The student will be able to:

- Apply and master the methods and tools of the subject with a view to employment within the profession
- Assess the theoretical and practical problems of the internship and give reasons for and choose relevant solution models
- Communicate academic problems and solutions in relation to the internship company and line of business

Competencies
The student will be able to:

- Handle and translate complex and development orientated situations in study contexts into practical solutions at the internship company and associated business
- Independently handle relevant theories for how to solve tasks at the internship company and associated business
- Independently manage the description, formulation and communication of problems and solutions related to the internship company and associated business
- Independently engage in academic and interdisciplinary collaboration and assume responsibility within the framework of professional ethics
- Identify their own learning requirements and develop their own knowledge, skills and competencies in relation to the profession

Based on the above-mentioned learning objectives for the internship, the student, the company and the supervisor together establish the concrete objectives for the internship period.

7 Main exam project

The main exam project is weighted 15 ECTS.

7.1 Requirements for the main exam project

The main exam project/bachelor project is completed with an external exam. The exam consists of a project and an oral part for which students receive one overall mark. The main exam project/bachelor project must document the student's understanding of practice and applied theories and methods in relation to a practical thesis statement based on a concrete assignment within the programme. The thesis statement must be central to both programme and trade and must be formulated by the student, possibly together with a private or public company. The Academy approves the thesis statement.

Content:

- Cover page with title
- Summary in English
- Foreword
- TOC
- Introduction, including a presentation of the problem statement, the thesis statement and approaches which will be used
- Choice of paradigm and methodology
- Analysis, background and, including a description and justification for the choice of any empirical[3] data to answer the thesis statement
- Discussion and reflection
- Conclusion
- Bibliography (including all sources that are referenced in the project)
- Appendices (only include documents that are central to the report)

The main individual exam project must as a minimum fill 35 standard pages and no more than 45 standard pages. If several students write the project together, it must be extended by between 20 standard pages as a minimum and 25 as a maximum.

A standard page is 2,400 characters including spaces and footnotes.
Cover page, TOC, bibliography and appendices are not included. Appendices will not be assessed.

[3]Empirical here means material that is under investigation and which can be referred to (observations, data, statements, texts, sources). Guidelines for Preparing Project Reports by Richard Brooks.

7.2 Spelling and writing skills

Spelling and writing skills are included in the assessment of main exam project. The assessment reflects an overall assessment of the academic content as well as writing and spelling ability.

Students who can document a relevant disability can apply for an exemption from the requirement that spelling and writing skills are included in the assessment.

An application must be sent to the applicable head of department no later than four weeks before the exam is due to be held.

7.3 Learning objectives

The main exam project must document that the graduation level of the programme has been obtained, cf. appendix 1 in "Ministerial Order on the Bachelor of Agricultural and Environmental Management Programme".

The learning objective includes the knowledge, skills and competencies that a graduating student must have obtained during the programme and must document that the learning objectives/graduation level has been obtained, cf. appendix in Ministerial order no. 767 of 02/07/2012.

Knowledge and understanding
The graduate will have gained knowledge about:

- Practices, theories and methods within the biological and economic areas of agricultural and environmental management in relation to consultancy, administration, management, business operation and teaching purposes
- How to reflect on analyses, methods and theories in the agricultural area
- Market communication, sales and consultancy and project management models
- Relevant legislation and case law in the field of agricultural law and the conditions for the agricultural area, interested parties and types of business, nationally and internationally

The graduate of agro biology will also have gained knowledge about:

- Biological processes in soil, water, plants and livestock in relation to agriculture
- The importance of nutrients to the environment, a product's quality, digestibility and soundness
- Nutrients, purification and utilisation of residual products from agricultural production

The graduate of agro economics will also have gained knowledge about:

- Business operation and production economy in the area of agriculture
- National and global market conditions that may have an impact on companies, economically and financially

Skills

The graduate is able to:

- Collect and process biological and economic data as a basis for selecting the most suitable method or the best tools for solving tasks and problems within the field of agriculture
- Perform project management and resource management of tasks within the field
- Analyse and assess theoretical and practical problems in relation to planning, HR, strategy and business development tasks and provide suggestions for a future strategy
- Communicate and carry out consultancy services and sales of biological and economic knowledge of the agricultural area, its services and products to collaboration partners and users
- Apply mathematical and statistical methods of accounting on results of analyses and relate the results to practice

The graduate of agro biology will also have gained knowledge about:

- How to analyse problems and apply relevant management tools in the planning and execution of production and environmental administration
- How to assess and analyse the consequences of the agricultural production on substance cycles and energy flows in relation to the environment and nature

The graduate of agro economics will also have gained knowledge about:

- How to perform production engineering and economic operations' analysis in relation to the development of the business
- How to analyse and assess the market, organisation and quality development of the business

Competencies

The graduate is able to:

- Handle complex and development orientated tasks and situations in the agricultural area, including the documentation and communication of tasks and projects
- Translate practical experience, knowledge and relevant research results into solutions and results
- Engage in managerial, consultancy, academic and interdisciplinary functions and collaborations that are relevant for the agricultural area
- Independently develop, manage and execute work and consultancy tasks based on various complex situations and by including relevant interested parties
- Identify their own learning requirements and develop their own knowledge, skills and competencies within the area of employment of the graduate

The graduate of agro biology will also have gained knowledge about:

- How to develop, individually and together with others, practical and theoretically well-founded solution models for the utilisation of the biological resources in vegetable and animal production,
- How to independently gather data and carry out analyses of the environmental consequences of agricultural production and provide qualified solutions

The graduate of agro economics will also have gained knowledge about:

- How to independently handle complex financial and economic analyses and calculations
- How to design, independently and together with others, strategies for the development of the market, organisation and quality of the agro business

7.4 Assessment

The exam in external and assessed according to the 7-point scale.
The exam consists of a project and an oral part. Students are awarded one overall mark. The exam cannot take place until the main bachelor project and the other exams of the programme have been passed.

For exam form and organisation, please refer to the institutional part of the curriculum.

8 Overview of exams[4]

Overview of all the programme exams

Exam	90 ECTS distributed on the exams	Assessment	Internal/External
1. 1st semester exam	30	7-point scale	Internal
2. 2nd semester exam	30	7-point scale	External
3. Internship exam	15	7-point scale	Internal
4. Main exam project	15	7-point scale	External

9 Credits

The institution may approve educational elements, or parts of these, which have been passed at other educational institutions and are considered equivalent to similar elements, or parts thereof, in this curriculum. If the element in question has been assessed according to the 7-point scale at the examining institution, and is equivalent to an exam in this curriculum, the mark will be transferred. In all other cases, the mark is transferred as "passed" and will not be included in the calculation of the grade point average.
The institution may approve that elements that have been passed in Danish or foreign higher education programmes are substituted for elements included in this curriculum. On approval, the course element is deemed to be passed if it was passed according to

[4] 15 ECTS from the "Elective Programme Elements" are implicitly missing here. Please refer to the Institutional part for a complete overview.

the rules of the programme in question. The assessment will be transferred as "passed".

Students are obligated to supply information about previously passed programme elements that are assumed to give credits

9.1 Credit for elective programme elements

Passed elective programme elements are equivalent to similar programme elements taken at other educational institutions offering this programme as well as other programmes.

9.2 Prior credit approval

Students may apply for prior credit approval. For prior credit approval of studies in Denmark or abroad, students are required to document each approved and completed programme element on the completion of these studies. In connection with the application for prior credit approval, the students must give permission to the institution to obtain any required information after the completion of their studies.

On approval of the prior credit application, the programme element is considered completed if it has been passed according to the rules of the programme.

9.3 Rules of exemption

If warranted by exceptional circumstances, the educational institution may deviate from what the institution(s) themselves has/have stated in the curriculum.

10Approval

This agreement on the content of the joint part of the curriculum was adopted and approved by the education network for the Business Academies of Sjælland, Lillebælt and Aarhus.

For (Business Academy Aarhus)
Date / Signature

For (Business Academy Lillebælt)
Date / Signature

For (Business Academy Sjælland)
Date / Signature