



BUSINESS ACADEMY AARHUS
SCHOOL OF APPLIED SCIENCES

CURRICULUM
for
Agro Business and Landscape Management (AP)

National part

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This national part of the curriculum for the Academy Profession Degree in Agro Business and Landscape Management has been released in accordance with §18, section 1 in the Ministerial Order for technical and commercial Academy Profession Programmes and Professional Bachelor Programmes. This curriculum is supplemented with an institutional part of the curriculum, which is provided by the individual institution that offers the programme.

It has been prepared by the Educational Committee for the Academy Profession Degree in Agro Business and Landscape Management and approved by the Board of Directors of all institutions that offer the programme (or the Rectors with permission) and after consultation with the institution's educational network and the chairmanship of external examiners.

1. The programme's goals for learning outcomes

Knowledge

The graduate has knowledge of:

- the agricultural sector, including the industry's structure, legal framework and position in society nationally and globally
- and can understand the practical and centrally applied theory and method, and can also understand the agricultural sector's use of theory and method.

Skills

The graduate is able to:

- apply core methods and tools from agriculture, including management systems within project, production, economics, quality and environmental management
- assess the practice-orientated problem statements and compare and select solution options
- communicate practice-orientated problem statements and possible solutions to partners and stakeholders

Competencies

The graduate is able to:

- deal with development-orientated situations on an analytical and methodical basis
- participate in disciplinary and interdisciplinary collaboration with a professional approach
- in a structured context, acquire new knowledge, skills and competencies in relation to the profession.
- assess the practice-orientated problem statements within economy and management and compare and select solution options
- communicate practice-orientated problem statements and possible solutions within economy and management to partners and users as well as within the agricultural industry.

1. The programme specialisation Nature and Environment also has these learning objectives:

Knowledge

The graduate has knowledge about:

- development-based knowledge on practices and centrally applied theory and methodology in relation to biology, technique and management within the field of nature and environment
- and can understand the practical and centrally applied theory and methods and can also understand the industry's use of theory and method.

Skills

The graduate is able to:

- apply key methods and tools within nature and environment and can apply the skills related to employment within the industry
- evaluate practice-orientated problem statements as well as set-up and choose solution options within nature and environment, including planning and carrying out registrations, measurements and sampling within the nature and environment areas

- disseminate practice-orientated issues and possible solutions within the fields of nature and environment to partners and users.

Competencies

The graduate is able to:

- manage development-orientated situations in relation nature and environment
- participate in disciplinary and interdisciplinary collaboration with a professional approach
- in a structured context, acquire new knowledge, skills within the subject area in relation to the profession.

2. The programme includes 3 national subject elements

The programme includes 3 national subject elements, and 2 or 3 national subject elements from the chosen programme specialisation.

2.1. Business understanding and products

Content

The subject element consists of basic economic understanding of a company including key financial performance indicators. In addition, project economy is included which consists of budgeting and innovative processes from idea generation to line of business to business plan.

Learning objectives for business understanding

Knowledge

The student will gain knowledge about:

- the practice and centrally applied theory and methodology within business understanding as well as key financial performance indicators within the agricultural industry
- and can understand the practice and centrally applied theory and method, and can also understand the agricultural industry's use of theory and method within business understanding.

Skills

The student will get the skills to:

- apply the profession's central methods and tools and be able to apply the skills related to employment within business understanding in the agricultural profession
- evaluate the practice-orientated economical and business understanding problem statements and compare and select solution options
- communicate practice-orientated economical and business understanding problem statements and possible solutions to business partners and users.

Competencies

The student will learn to:

- deal with development and practice-orientated economical and business understanding situations
- participate in academic and interdisciplinary collaboration within business understanding in a professional manner
- in a structured context, acquire new knowledge, skills and competencies in relation to business understanding.

ECTS weight

The subject element business understanding is weighted 10 ECTS credits.

2.2. Management

Content

The subject element contains the basic concepts in the field of human resources management, including views of human nature, leadership roles, motivation and corporate culture. In addition, the subject deals with the topics within team work, conflicts as well as working environment and legislation.

Learning objectives for Management

Knowledge

The student will gain knowledge about:

- development based knowledge of the practice and centrally applied theory and methods within management and cooperation in the agricultural profession
- and can understand the practice and centrally applied theory and method, and can also understand the agricultural industry's use of theory and method within management and cooperation.

Skills

The student will get the skills to:

- apply the central methods and tools within management and cooperation and be able to apply the skills related to employment within the agricultural profession for management and cooperation
- assess the practice-orientated management problem statements and compare and select solution options
- communicate real-life management problem statements and possible solutions to business partners and users.

Competencies

The student will learn to:

- deal with development-related management problem statements

- participate in disciplinary and interdisciplinary collaboration with a professional approach
- in a structured context, acquire new knowledge, skills and competencies in relation to management and cooperation.

ECTS weight

The subject element management is weighted 5 ECTS credits.

2.3. Method, communication and learning

Content

The subject element contains basic concepts for communication, data collection, target audiences, handling of sources and delimitation of problem statements. In addition, it deals with topics within basic statistical methods and the handling of data used. The subject element also covers a methodological meta perspective, where the students practice reflecting on their own learning and workflows.

Learning objectives for method, communication and learning

Knowledge

The student will gain knowledge about:

- agriculture and related industry practices and central applied theory and method within communication and methodical problem solving
- and an understanding of practices and central applied theory and methodology within agricultural and related industries use of theory, methods of analysis and data collection.

Skills

The student will get the skills to:

- apply key methods and tools within methodical problem solving and can apply the skills related to employment within the agricultural industry
- evaluate the practice-orientated methodical problem statements and compare and select solution options
- communicate the real-life methodological issues and possible solutions to business partners and customers.

Competencies

The student will learn to:

- deal with development-orientated situations in accordance with central principles of methodology
- participate in disciplinary and interdisciplinary analysis collaboration with a professional approach
- in a structured context, acquire new knowledge, skills and competencies in relation to method.

ECTS weight

The subject method, communication and learning is weighted 15 ECTS credits.

2.4. Nature - study specialisation nature and environment

Content

The subject element contains basic knowledge of ecological contexts, both in the broad sense of the term and those associated with the industry. An understanding of biological conditions relevant to nature and landscape is also provided. Work will be done with registration, analysis and evaluation of various landscape uses and their impact on production, resources, and their surroundings as well as with the planning of smaller projects.

Learning objectives for nature

Knowledge

The student will gain knowledge about:

- soil conditions and surface water, as well as substance circulation
- vegetation ecology, flora and fauna
- landscape formation and soil in relation to nature and production
- methods for nature and landscaping
- registration as well as sampling strategies and methods in connection with criteria for nature

Skills

The student will get the skills to:

- collect data and carry out the registration of landscapes, soil and water conditions as well as evaluate the results
- apply methods and tools for sampling of soil and water in connection with nature goals
- register and collect geographical data as well as use relevant software in relation to landscapes and nature
- evaluate practice-orientated issues on the basis of the relevant legislation within the nature area.
- evaluate the state of nature in a location based on the composition of flora and fauna
- evaluate the causes of degradation and propose measures for the improvement of nature and landscape quality

Competencies

The student will learn to:

- plan for nature projects in the landscape according to nature goals and landscape use
- manage solutions to concrete problems within nature and the landscape with the application of knowledge, theory and methods

ECTS weight

The subject element nature is weighted 10 ECTS credits.

2.5. Environment - study specialisation nature and environment

Content

The subject element contains basic knowledge of ecological conditions in our environment that are related to the profession and society. An understanding of biological conditions relevant to the environment, energy and substance circulation is included. Work is done with registration, analysis and evaluation of various concrete impacts concerning production and use of resources, and work is also done with the planning of smaller projects for handling related issues.

Learning objectives for environment

Knowledge

The student will gain knowledge about:

- groundwater and sewage as well as substance cycles
- geology and soil conditions in relation to groundwater and soil pollution
- registration as well as sampling strategies and methods in connection with environmental criteria

Skills

The student will get the skills to:

- apply methods and tools for sampling of soil and water in connection with environmental goals
- register and collect biological and geographical data as well as use relevant software in relation to production and environmental goals
- evaluate practice-orientated problem statements on the basis of the relevant legislation concerning the environmental area.
- evaluate the causes of degradation and propose measures for the improvement of the quality of the environment and use of resources.

Competencies

The student will learn to:

- plan environmental projects in relation to the environmental goals of the region's use and production
- manage solutions to concrete problems within the environment and production as well as the water environment with the application of knowledge, theory and method

ECTS weight

The subject element environment is weighted 10 ECTS credits.

2.6. Management and administration – study specialisation nature and environment

Content

The subject element deals with basic knowledge of management and the administration of environmental and nature conditions in relation to the production and use of resources, as well as

other activities. Work will be done with analysis, evaluations and the apparatus in relation to nature and environmental management. Work will also be done with concrete solutions for practice-orientated and complex problem statements

Learning objectives for management and administration

Knowledge

The student will gain knowledge about:

- the public administration's set-up, processing and apparatus
- business partners and stakeholders outside of public administration and their scope.

Skills

The student will get the skills to:

- evaluate practice-orientated and complex problem statements in a larger perspective based on the relevant legislation
- design project proposals and evaluate their effect by applying the subjects central methods and legislation
- suggest care methods, techniques and equipment, as well as evaluate the economy.

Competencies

The student will learn to:

- participate in interdisciplinary collaboration concerning planning, operation and management
- prepare and explain solutions in relation to nature, environment, and the industry as well as different stakeholder groups
- advise the industry and stakeholders within environment and nature fields
- process problem statements and deal with legislation within the nature and environmental field.

ECTS weight

The subject element management and administration is weighted 10 ECTS credits.

3. The number of exams in the national subject elements

There are 3 exams in the national subject elements, which in total represent 60 ECTS. Of this, 45 ECTS are part the exam/s which make up the first-year exam.

For the number of exams in the internship, please refer to section 3.

There is one additional exam which is the main exam project.

For a comprehensive overview of all the programme's exams, please refer to the institutional part of the curriculum, as the national subject elements described in this curriculum can be examined together with the subject elements specified in the institutional part of the curriculum.

4. Internship

Learning objectives for programme's internship

Knowledge

The student will gain knowledge about:

- knowledge about the subject in practice

Skills

The student will get the skills to:

- analyse and evaluate practice-orientated problems
- apply theory for the preparation of possible solutions
- communicate problems and solutions.

Competencies

The student will learn to:

- combine theory with practice for the solving of tasks
- solve tasks together with others across their profession and company
- reflect theoretically about the application of concepts and methods within the profession and for the selected focus area.

ECTS weight

The internship is worth 15 ECTS credits.

Number of exams

The internship is completed with 1 exam.

5. Requirements for the main exam project.

The learning objectives for the main exam project are identical to the programme's learning objectives listed above under point 1.

The main exam project must demonstrate the student's understanding of practices and centrally applied theory and methods in relation to a real-life problem, which is based upon a specific task within the programme's area. The problem statement that must be central to the programme and profession, is formulated by the student, possibly in collaboration with a private or public company. The educational institution approves the problem statement.

The main exam project must be no more than 80,000 keystrokes including spaces (about 35 standard pages). The front page, TOC, bibliography and appendices are not included.

More information on the main exam project can be found in the institutional curriculum.

Exams for the main exam project

The main exam project completes the programme in the last semester once all the preceding exams have been passed.

ECTS weight

The main exam project is weighted 15 ECTS credits.

Examination form

The exam is an oral and written examination with an external co-examiner, a combined mark is given based on the 7-point scale for the written project and the oral presentation.

6. Rules on credit

Passed programme elements are equivalent to similar programme elements taken at other educational institutions offering this programme.

The students are obliged to inform us of any completed educational elements from another Danish or foreign higher education programme or any jobs which are likely to provide credit.

The institution approves, in each instance, credit on the basis of completed programme elements and any jobs which meet the objectives of the subjects, the educational part and the internship part.

The decision is taken according to an academic assessment.

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 according to the above, the programme element is deemed to be passed if it was passed according to the rules of the programme in question.

7. Commencement and transitional schemes

Commencement

This part of the national curriculum is valid from 15.08.2018 and is valid for students who are enrolled after 15.08.2018

Transitional scheme

Students who were enrolled before 15.08.2018 must also follow this curriculum. However, exams which have been started before 15.08.2018, must be completed according to the earlier relevant curriculum and must be started by 31 January 2019, the latest.