

# CURRICULUM

for

Bachelor in Nature and Agricultural Management  
Professionsbachelor i Jordbrug

Part III: The electives' catalogue.

Commencement 1 September 2018



## Content

Content.....	1
1 The electives' catalogue.....	2
2 Elective exams .....	2
3 The electives on the programme (valid for the programme specialisation nature and the environment, international programme) .....	2
3.1 Ecotoxicology.....	2
3.1.1 Content.....	2
3.1.2 Learning objectives for Ecotoxicology.....	2
3.2 Nature and environmental work in a global perspective.....	3
3.2.1 Content.....	3
3.2.2 Learning objectives for Nature and environmental work in a global perspective .....	3

This curriculum is part of the national curriculum and the institutional part and they must be used together. The national part of the curriculum is the same for all academies that offer this programme, while the institutional part of the curriculum and the electives' catalogue are specific to Business Academy Aarhus.

## 1 The electives' catalogue.

On the programme the electives are weighted 5 ECTS. Elective elements, learning objectives and the criteria for assessment are described in this elective's catalogue, unless otherwise indicated.

The following elective courses (weighted 5 ECTS) will be offered on the programme specialisation nature and the environment:

- Ecotoxicology
- Nature and environmental work in a global perspective

Students may also follow electives at other institutions provided that they pay for their own transportation, overnight accommodation, etc.

### Summer and winter school

It is also possible to choose a summer school or winter school as an elective. The selected summer or winter school must be approved by the programme's head of department before you leave so that prior credit approval can be obtained. Upon approval of the prior credit approval, the programme element is considered completed if it is passed according to the rules of the programme. The International Office can be contacted for further information.

## 2 Elective exams

For rules regarding exams, please refer to the Institutional part of the curriculum (part II).

## 3 The electives on the programme (valid for the programme specialisation nature and the environment, international programme)

### 3.1 Ecotoxicology

#### 3.1.1 Content

The subject includes physical and chemical properties of xenobiotics, the ecological effects of xenobiotics as well as a risk assessment of xenobiotics in ecosystems.

#### 3.1.2 Learning objectives for Ecotoxicology

##### Knowledge

The student will gain knowledge about

- the practice and applied theory and methodology related to ecotoxicology within nature and the environment,
- and an understanding of the practice, theory and methodology and can reflect on the practice, the application of theory and methods related to ecotoxicology within nature and the environment,

- relevant toxins and the distribution of these in the environment,
- the effects of toxins on individual species, populations and ecosystems,
- the relevant legislation.

### **Skills**

The student will get the skills to:

- apply relevant theory to analyse relevant ecotoxicological issues in relation to real-life problems within nature and the environment,
- master the skills related to employment within the profession,
- evaluate the consequences of exposure to toxins at the individual, population and ecosystem level and justify and choose relevant solutions,
- communicate practical and academic ecotoxicological problems and solutions to stakeholders.

### **Competencies**

The student will learn to:

- manage complex and development orientated gathering of the basis of evaluation, carry out analyses of the ecotoxicological problem statements and provide qualified solutions,
- independently engage in academic and interdisciplinary cooperation within ecotoxicology and assume responsibility within the framework of professional ethics,
- identify their own learning needs and develop their own knowledge, skills and competencies in relation to xenobiotics and risk assessments.

### **ECTS weight**

The subject Ecotoxicology is weighted 5 ECTS credits.

## **3.2 Nature and environmental work in a global perspective**

### **3.2.1 Content**

The subject contains a thorough introduction into how students can take advantage of their skills and competencies in the field of nature and the environment, specifically in relation to employment in jobs and projects related to NGOs and developing nations.

### **3.2.2 Learning objectives for Nature and environmental work in a global perspective**

#### **Knowledge**

The student will gain knowledge about

- the profession and the subject's practice and applied theory and methodology in relation to employment in an NGO and companies working in developing nations,
- and an understanding of the practice, theory and methodology and can reflect on the profession's practice and the application of theory and methods

### **Skills**

The student will get the skills to

- apply the subject's methods and tools and will master the skills necessary for work with NGOs and companies working in developing nations,
- evaluate theoretical and practical problem statements and justify and choose appropriate solutions
- master the skills related to employment within the profession,
- communicate practical and academic problems and solutions to partners and users.

### **Competencies**

The student will learn to:

- manage complex and development-orientated situations in relation to nature and environmental work in a global perspective,
- independently engage in academic and interdisciplinary cooperation and assume responsibility within the framework of professional ethics
- Identify their own learning needs and develop their own knowledge, skills and competencies in relation to the profession.

### **ECTS weight**

The subject nature and environmental work in a global perspective is weighted 5 ECTS credits.