# Sustainable Agriculture, B. Sc.

## Course Schedule of Full Time Study Programme

### 1st Semester
- Basics of Biology and Agroecology I
- Sustainable Learning – Learning Sustainability
- Agricultural Engineering I and Energy Use in Agriculture
- Principles of Economics
- Analysis and Interpretation of Data I
- Agricultural Chemistry
- Soil Science and Tillage

### 2nd Semester
- Soil Science and Tillage
- Organic and Biochemistry, Biotechnology
- Biology and Biodiversity
- Agricultural Engineering II and Agrotechnology
- Agricultural Economics and Farm Management
- Basics of Animal Sciences

### 3rd Semester
- International Markets, Trade and Agricultural Policy
- Climate Change and Water Management
- Crop Physiology and Nutrition
- Crop Health I
- Analysis and Interpretation of Data II
- Animal Husbandry and Health

### 4th Semester
- Agroecology II and Agronomy
- Rural Development and Sustainable Behaviour
- Horticulture and Agroforestry
- Project
- Elective Modules 1

### 5th Semester
- Ethics in Life Sciences
- Sustainability and Agri-food Chains
- Natural Resources and Environmental Economics
- Animal Welfare
- Elective Modules 2

### 6th Semester
**Internship or Study Abroad (mind. 20 weeks)**

### 7th Semester
- Academic Methods and Principles
- Elective Modules 3
- Bachelor Thesis
- Colloquium

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### Elective Modules 1:
- Focus Field Animal Sciences and Aquaponics I
- Focus Field Plant and Soil Sciences I
- Focus Field Analysis of Sustainability and Food Sciences I
- Focus Field Economics and Social Sciences I
- Module from any Bachelor Study Course of the Faculty of Life Sciences at Rhine-Waal University of Applied Sciences

### Elective Modules 2:
- Focus Field Animal Sciences and Aquaponics II
- Focus Field Plant and Soil Sciences II
- Focus Field Analysis of Sustainability and Food Sciences II
- Focus Field Economics and Social Sciences II
- Module from any Bachelor Study Course of the Faculty of Life Sciences at Rhine-Waal University of Applied Sciences

### Elective Modules 3:
- Project reg. Academic Principles and Methods in Preparation of Bachelor Thesis
- Language Course
- Module from catalogue 1 and 2 of Study Programme
- Module from any Bachelor Study Course of the Faculty of Life Sciences at Rhine-Waal University of Applied Sciences

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