

The Rhine-Waal University of Applied Sciences in Kleve and Kamp-Lintfort offers an innovative, international environment combined with first-rate teaching in interdisciplinary Bachelor and Master's degree courses, taught mainly in English. It is strong in conducting research in disciplines such as technology, natural sciences and social sciences. More than 7,500 students have already enrolled at the Rhine-Waal University of Applied Sciences.

The University of Applied Sciences has to award for the faculty Life Sciences in the Bachelor's degree courses Agribusiness, B.A. and Sustainable Agriculture, B.Sc. at the campus in Kleve in the winter semester 2021/2022 the following

## **Lectureship (freelance teaching position)**

within the meaning of Section 43 of the Law regarding the Universities in the State of North Rhine-Westphalia (HG NRW):

**Reference number 05/LAFKLS/21**

**Subject area/Module: „Sustainable Learning – Learning Sustainability“**

The lecturer shall take over the lecture in the amount of 2 lecturing hours in the module "Sustainable Learning – Learning Sustainability" (1<sup>st</sup> semester) of the bachelor courses Agribusiness, B.A. and Sustainable Agriculture, B.Sc.. The lectures shall be held in English.

### **Contents**

Terms, definitions, principles and concepts of ecology and agroecology; global cycles of matter; population and community ecology; foodwebs, habitat and niche; disturbance and succession; diversity and stability of agroecosystems; interactions in cropping systems; sustainable agroecosystems; methods of sustainability assessment; terms, principles and limitations of Life Cycle (LCA) and sustainability assessment methods; application of exemplary method; define selected agricultural supply chains; interpretation and review of results

### **Learning objectives**

On successful completion of this module, students should

- know the relevant definitions, principles and concepts of ecology and their application in agriculture
- know how populations and communities of organisms in agroecosystems react to their environment
- know the principles and range of applications of LCA and sustainability assessment methods in agriculture
- comprehend the necessity of fact-based methods to assess supply chains
- be able to relate their knowledge about ecology to its relevance in sustainable agriculture
- be able to partly apply methods of sustainability evaluation
- be able to present and document results and findings in a scientifically appropriate format
- be able to analyse how their findings are related to those of others
- be able to evaluate the application of ecological principles and concepts in sustainable agricultural systems

- be able to critically discuss possibilities and shortcomings of agroecology in the existing agricultural context
- be able to perform exemplary application, presentation<sup>4</sup> and critical interpretation of assessment results

**Requirements:**

The lecturer shall have a corresponding university degree and have practical experience. Didactic skill and the ability to hold the course with an international group of students in the English language are required (the language level shall be C1 according to the European reference framework).

The Rhine-Waal University of Applied Sciences offers lectures a systematic networking with the university as well as the opportunity of a specific training development to ensure a sustainable skill improvement, a closely link between theory and practice and a support for the personal development of lectures.

It is asked to send in just copies of documents as these cannot be returned.

Please send your application via e-mail **stating the reference number and the module title** addressed to

**Contact person:**

Title Prof. Dr. Florian Wichern

E-mail: [florian.wichern@hochschule-rhein-waal.de](mailto:florian.wichern@hochschule-rhein-waal.de)

For questions and further information please contact the mentioned contact person above.