

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 master's degree courses Biological Resources M.Sc. at the campus in Kleve in the winter semester 2020/2021 the following

## **Lectureship**

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

### **Reference number 26/LA/20**

### **Subject area/Module: „Animals in Bioeconomy“**

The lecturer shall take over the lecture in the amount of 3 lecturing hours in the elective module "Animals in bioeconomy" (2<sup>nd</sup> semester) of the master course Biological Resources, M.Sc.. The lectures shall be held in English.

Due to the current pandemic, lectures shall be held in a digital format and shall begin as of November 02, 2020.

### **Teaching contents**

Relevance of animals for bioeconomics (wildlife, farm animals, aquaculture, others); influence of biotic and abiotic factors on animal health, production and bioeconomics; management of biodegradable feedstocks such as manure, animal waste and associated matter fluxes from a bioeconomic perspective; effects of wildlife and of farm animals on the environment (e.g. production of greenhouse gases, sequestration of greenhouse gases in grassland, nutrient imbalances, landscape aspects); use of alternatives for food and feed production; determination of resource use efficiency and potential nutrient release using different techniques

### **Learning objectives**

- On successful completion of this module, students should
- understand the relevance of animals for bioeconomics
- have a profound knowledge on the management of biological resources derived from animals
- be able to apply methods to compare the resource use efficiency of different agricultural systems
- be able to critically compare publications about animals in bioeconomics
- be able to evaluate interactions of animal and bioeconomics based on acquired knowledge
- be able to consider the social and ecological impact of professional decisions and thus deepen their capacity to engage in society

**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. Steffi Wiedemann

E-mail: [steffi.wiedemann@hochschule-rhein-waal.de](mailto:steffi.wiedemann@hochschule-rhein-waal.de)

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