

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 7,000 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 Bioengineering, B.Sc. at the campus in Kleve in the summer semester 2020 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 07/LA/20

Subject area/Module: „Technical enzymology“

The lecturer shall take over lecture in the amount of 2 lecturing hours in the elective module "Technical enzymology" (4th semester) of the bachelor course Bioengineering, B.Sc.. Teaching language shall be English.

Content:

Application of enzymes in industry: food and beverage enzymes; feed enzymes; paper and pulp industry; starch industry; household care enzymes/detergent industry; textile industry; bioenergy enzymes; leather industry; enzymes for processing of fats and oils; mechanisms of protein stabilization

On successful completion of this module, students should

- have basic knowledge on the industrial application of enzymes^{1,2}
- know the different types of enzymes employed in the dairy industry and judge their usability^{1,2}
- be able to design methods to improve enzyme function in the industrial environment^{3,4,5}
- research a leading-edge application of enzyme technology and present and discuss the results in an oral presentation^{4,5}

¹Knowledge; ²Comprehension; ³Application; ⁴Analysis; ⁵Synthesis and judgement

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:

Prof. Dr. Mònica Palmada Fénes

Fon: 02821/80673-257

E-mail: monica.palmadafenes@hochschule-rhein-waal.de

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