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2nd Amendment to the Examination regulations for the degree programme “Computer Simulation in Science” with the degree of Master of Science at the University of Wuppertal

Dated 01 November 2023

In accordance with § 2, Section 4 and § 64 Section 1 of the Higher Education Act (HE Act) of the State of North Rhine-Westphalia (NRW) dated 16 September 2014 (GV. NRW. p. 547), last amended on 29 August 2023 (GV. NRW. p. 1072), the University of Wuppertal has enacted the following examination regulations.

Article 1

The Examination regulations for the degree programme “Computer Simulation in Science” with the degree of Master of Science at the University of Wuppertal from 17.12.2020 (Official Announcement 110/20), amended on 22 February 2023 (Official Announcement 06/23), is amended as follows:

1. **§ 1** is redrafted as follows:
 - a. In **Section 1**, **sentences 2 to 5** are deleted after **sentence 1**.
 - b. The following Section 2 is inserted after Section 1:

„Graduates have applied in-depth knowledge of modelling, computer simulation and computer science, as well as programming and numerical algorithms, which are necessary for high-performance computing in the natural and engineering sciences. They are able to critically evaluate and place it in the context of its economic and societal relevance. They will acquire the ability to create models (abstract problem formulation) and to interpret the results of a simulation or experiment and are able to independently adapt and further develop known methods and conceptualizations to new situations. They can recognize and define scientific and operational questions and problems, deal critically with research results and communicate them to others in an appropriate manner as well as solve problems in a team-oriented manner. They are able to develop new approaches of computer simulation in the natural and engineering sciences on their own responsibility. These competencies qualify them for roles in industrial and corporate research departments or scientific institutions, as well as for pursuing doctoral studies.“
 - c. The previous **Sections 2-6** become **Sections 3-7**.
 - d. In the new **Section 4**, **sentence 2**, the numeral 2 is replaced by the numeral 3 after the words "the entry requirements acc. to para."
 - e. In the new **Section 5**, **sentence 1**, the numeral 2 is replaced by the numeral 3.
 - f. In the new **Section 6**, **sentence 1**, the numeral 2 is replaced by the numeral 3.
 - g. In the new **Section 7**, the numerals 4 and 5 are replaced by the numerals 5 and 6 correspondingly.
2. In **§ 4 Section 3**, the word “three” is replaced by the word “two”.

Article 2
Promulgation and publication

These examination regulations come into force retroactively as of 1 October 2023, following their publication in the Official Bulletin of the University of Wuppertal, and apply to all students enrolled in the "Computer Simulation in Science" Master of Science degree programme at the University of Wuppertal.

Executed in accordance with the resolution of the Faculty Board of the School of Mathematics and Natural Sciences dated 20 October 2023.

Dated Wuppertal, 07.11.2023

The Rector
of the University of Wuppertal
Professor Dr. Birgitta Wolff