

Amendment of the Study Regulations for the consecutive Master degree programme Computational Modelling and Simulation

1. §2 shall be amended as follows:

- a. §2 para 1 sentence 1 shall be reworded as follows: “By studying, students shall be able to model complex natural, technical or terminological systems and to predict and optimise the behaviour and properties of such systems by means of computer simulation and analysis of these models”.
- b. In §2 para 1 sentence 2, following the word “modelling”, the word “and” shall be replaced by the word “as well as” and the dot at the end shall be replaced by “and formal analysis”.
- c. In §2 para 1, the following sentences shall be inserted after sentence 3: “Regarding their personality, the students have developed into independent and responsible individuals and are capable of assuming responsibility and social commitment. They know the basic principles of good scientific practice and the scientific working methods”.
- d. In §2 para 1, the word “this” shall be replaced by the word “these” and the word “competence” by the word “competences”.
- e. In §2 para 1, the following no. 6 shall be added: “6. Track “Logical Modelling”: intelligent information systems, algorithms and systems of computer-aided knowledge representation”.
- f. In §2 (2) sentence 2, the word “ontologist” shall be inserted after the word “quantum”.

2. § 3 shall be amended as follows:

- a. In §3 sentence 2, the words “in computer modelling” shall be deleted.
 - b. §3 sentence 3 shall be reworded as follows: “Proof of this special expertise shall be provided by means of aptitude assessment procedures in accordance with the Rules for Determining Suitability for the Master degree programme in Computational Modelling and Simulation (Suitability Assessment Rules CMS) in the currently valid version.
3. **In §5 para 2 sentence 5**, the full stop at the end shall be replaced by the words “or in the laboratory”.

4. §6 shall be amended as follows:

- a. In §6 para 2 sentence 3, the word “five” shall be replaced by the word “six”.
- b. In §6 para 2 sentence 4, the word “four” shall be replaced by the word “three”.
- c. In §6 para 2 sentence 6, the word “fundamental training” shall be inserted after the word “Elective Compulsory Module”.
- d. In §6 para 2 sentence 7, the word “fundamental training” shall be inserted after the word “Elective Compulsory Module”.
- e. In §6 para 2 sentence 8, “Bachelor degree programme” shall be replaced by “Course of Study”.
- f. In §6 para 2 sentence 12, the word “fundamental training” shall be inserted after the word “Elective Compulsory Module”.
- g. In §6 para 2 sentence 13 shall be worded as follows: “In consultation with the mentor and in accordance with §9 para 1, the re-election shall take place by means of a written application to the Examination Board, in which the module to be replaced and the newly selected module, or indeed the Track to be replaced and the newly selected Track, are to be indicated”.
- h. In §6 para 2, the following sentence shall be added: “A change of Track requires the consent of the person responsible for the newly selected Track and may require the assignment of a new mentor”.

5. §7 shall be amended as follows:

- a. In § para 2 sentence 2, the words “artificial intelligence, software design, database technology, knowledge processing” shall be inserted after the word “stochastics”.
 - b. In §7 para 3, the following sentence 6 is added: “6. Track Logical Modelling: Modelling and processing of human knowledge, especially in artificial intelligence applications, as well as modelling and analysis of complex information systems and algorithms – verification, computational models, ontology languages, logical reasoning, first and second order logics and their fragments, aspects of knowledge management, methodology of ontological modelling, intelligent systems, knowledge processing in web systems, knowledge acquisition and information extraction.”
6. **In §10 para 1**, the words “module number and” shall be inserted after the word “fields”.