

**Academic study and examination regulations
for the master programme of the Faculty of Computer
Science M.Sc. User Experience Design
at Technische Hochschule Ingolstadt From 17
December 2018**

**in the version of the amended articles of association dated 19
February 2024**

Based on Art. 9 sentence 1, Art. 80 para. 1 sentence 1, Art. 84 para. 2 and 3 and Art. 90 para. 1 sentence 2 of the Bavarian Higher Education Innovation Act (BayHIG) of 5 August 2022 (GVBl. p. 414, BayRS 2210-1-3-WK), as amended, Technische Hochschule Ingolstadt issues the following statutes:

Preliminary remark on the use of language

For reasons of readability and clarity, all references to persons and functions are in masculine form and apply equally to all genders.

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§ 1

Purpose of the academic study and examination regulations

These academic study and examination regulations serve to complete and supplement the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI) dated 17 July 2023 in the currently valid version.

§ 2

Study objective

- (1) **1** The master programme "User Experience Design" aims to provide students with interdisciplinary specialist and methodological knowledge in the field of interactive systems for human-technology interaction on a scientific basis.
2 On this basis, graduates can independently develop creative and innovative ideas for interactive systems, design prototypes and implement them in software and/or hardware. In addition to the basic skills in dealing with interactive technologies, the study course provides the necessary know-how to be successful within the professional field in the areas of design, conception, implementation, qualitative/quantitative research and scientific work.
3 In addition to analytical and methodological skills, the programme also strengthens key qualifications in the area of working in a scientific environment.
4 Graduates have up-to-date knowledge in the areas of research methods in human-technology interaction, ergonomics, design, prototyping/implementation of interactive systems, implementation of multimodal user interfaces and are able to apply and expand this knowledge independently in the complex subject environment.
5 Graduates can competently communicate their acquired knowledge to laypersons and also exchange ideas with scientists in the field of human-technology interaction at a scientific level.
- (2) **1** The knowledge acquired in the master programme "User Experience Design" enables graduates to take on qualified specialist and management tasks in the field of human-technology interaction and enables them to work on or manage complex projects.
2 The graduates also have the intercultural and communication skills required for working in an international context.
3 The master's programme also opens up the possibility of a subsequent doctorate or work in research.
- (3) The study course is conducted in English.

§ 3

Qualification requirements

- (1) **1** Qualification requirements for admission to the master programme are:
- a) Proof of successful completion of an academic study programme at a German university with at least 210 ECTS credit points or equivalent with a focus on Computer Science and/or Design (e.g. Computer Science, Media Informatics, Human-Technology Interaction, Multimedia and Creative Technology, Computer Engineering, User Experience Design, Interface/Communication Technologies, Interaction Design, Digital Media, Digital Design, Integrated Design, Interface/Communication Technologies). Computer Science, Media Informatics, Human-Technology Interaction, Multimedia and Creative Technology, Computer Engineering, User Experience Design, Interface/Communication Technologies, Interaction Design, Digital Media, Digital Design, Integrated Design, Assistive Technologies, Information Technology and Design, Media Engineering, Multimedia and Communication, Digital Animation, Design, or similar) or an equivalent successful domestic or foreign degree,
 - b) successful participation in an aptitude test; further details are regulated by the statutes on the aptitude test for the User Experience Design master programme at Technische Hochschule Ingolstadt dated 19 February 2024, as amended, and
 - c) proof of sufficient knowledge of English (language level B2 of the Common European Framework of Reference for Languages).

2 The requirements set out in sentence 1 a) to c) must be met cumulatively.

- (2) **1** In the case of degrees without credit points, the verified hours (workload) are converted into credit points, whereby one credit point corresponds to 25 hours. **2** If no time hours are proven, 30 ECTS are recognised per theoretical study semester. **3** Practical study semesters are recognised with a further 30 ECTS if they correspond in type and scope to the practical study semester at Technische Hochschule Ingolstadt.
- (3) **1** The evidence in accordance with para. 1 must be provided by the day of Enrollment at the latest. **2** If the proof according to para. 1 sentence 1 lit. a) is not provided by the end of the application period, a corresponding confirmation from the university must be provided by then, which credibly confirms the fulfilment of the requirement according to para. 1 sentence 1 lit. a) by the end of the enrolment period; the obligation according to sentence 1 remains in force.
- (4) **1** Applicants who can prove that they have completed a university degree or an equivalent degree for which fewer than 210 ECTS, but at least 180 ECTS credit points have been awarded, may be admitted with the approval of the examination board if proof of the missing competences is provided with the application for admission. **2** The missing competences according to sentence 1 are proof of compensation for the competence gap of up to a further 30 ECTS credit points in addition to the competences specified in para. 1 sentence 1.

lit. a) to be proven to at least Bachelor's level. **3** The missing competences must be demonstrated by the end of the application period at the latest and can be demonstrated as follows:

- a) by providing evidence of practical professional experience outside the academic study programme which corresponds in terms of content and scope to the internship of a Bachelor degree programme in the field of Human-Machine Interaction, User Experience Design, Media Informatics, Interaction Design, Internet of Things, Information Technology, Computer Science or another equivalent Bachelor degree programme, e.g. at Technische Hochschule Ingolstadt, provided that the degree submitted shows deficits in the area of the practical skills to be demonstrated compared to the qualification requirements according to para. 1 sentence 1 lit. a), or
- b) by providing proof of practical or theoretical academic study and examination achievements in addition to the first degree at a domestic or foreign university, which correspond in terms of content and scope to the requirements of a Bachelor's degree programme in the field of Human-Machine Interaction, User Experience Design, Media Informatics, Interaction Design, Internet of Things, Information Technology, Computer Science or another equivalent Bachelor's degree programme, e.g. at Technische Hochschule Ingolstadt, provided that the degree submitted corresponds to the theoretical or practical competences to be proven.e.g. at Technische Hochschule Ingolstadt, if the degree submitted shows deficits in the area of the theoretical or practical competences to be proven compared to the qualification requirement according to para. 1 sentence 1 lit. a).

- (5) **1** The Examination Board decides on the equivalence according to para. 1 sentence 1 lit. a) and para. 4 as well as on the conversion according to para. 2, taking into account the principles of Art. 86 para. 1 BayHIG. **2** Paragraph 2 applies accordingly.
- (6) If an applicant is not admitted, he or she will be informed of this in writing, stating the reasons.

§ 4

Structure and duration of the academic study programme

- (1) **1** The academic study programme is offered as a consecutive full-time study programme (full-time study programme) or part-time study programme (part-time study programme). **2** The standard period of study for the full-time programme is three semesters and six semesters for the part-time programme.
- each with a total number of credit points of 90 ECTS. **3** The Master's Thesis should also be completed during this standard period of study.
- (2) **1** There is no entitlement to the Master's programme being offered if the number of qualified study applications is insufficient. **2** Neither is there any entitlement to all modules being offered in every semester. **3** Similarly, there is no entitlement to the corresponding lectures being held if the number of participants is insufficient.

- (3) **1** The university may also offer its courses offered with the support of virtual course types. **2** The virtual course types used are listed in the appendix and detailed for each module. **3** The curriculum regulates ^{all} further details.
- (4) Study applications must declare whether they wish to study full-time or part-time when applying for the study course.

§ 5

Credit points

- 1** Credit points are awarded for examinations passed and degree-related performance assessments per module as well as for successfully completed internships. **2** In accordance with the European Credit Transfer System (ECTS), 60 credit points are awarded per academic year or 30 credit points per academic year for part-time students.
- 3** One credit point corresponds to a study load of 25 hours.
- 4** The number of credit points is given in the appendix.

§ 6

Modules and evidence of academic achievement

- (1) The modules, their number of hours, their credit points, the type of courses, the examinations, degree-related performance assessments and other requirements are set out in the annex.
- (2) All modules are either compulsory or elective modules:
1. Compulsory modules are the modules of the study course that are mandatory for all students.
 2. **1** Compulsory elective modules are the modules of the study course that are offered individually or in groups as an alternative. **2** Each student must make a specific selection from among them in accordance with these study and examination regulations. **3** The selected modules are treated as compulsory modules.
- (3) Selected modules, including examinations and/or evidence of academic achievement, may be held in English as specified in the curriculum.

§ 7

Curriculum

- (1) **1** In order to ensure the courses offered and to inform students, the responsible faculty shall draw up a curriculum detailing the course of study. **2** The curriculum is decided by the responsible faculty council and must be publicised at the university. **3** The announcement of new regulations must be made at the latest at the beginning of the lecture period of the semester in which the regulations are to be applied for the first time.

- (2) The curriculum contains in particular regulations and information on
1. the distribution of weekly semester hours per module and study semester,
 2. the catalogue of specialised compulsory elective modules with the names of the modules and their number of semester hours per week
 3. the course type of the individual modules, insofar as it is not conclusively defined in the annex,
 4. more detailed provisions on the type and scope of the module examinations, insofar as these have not been conclusively defined in the annex,
 5. more detailed provisions on degree-related performance assessments,
 6. the form and organisation of lectures
 7. the study objectives (learning outcomes) and content of the individual modules,
 8. more detailed provisions for lectures offered via new media,
 9. the language of instruction and examination in the individual modules, unless these are held in English.

§ 8

Master's Thesis

- (1) In the Master's Thesis, students should demonstrate their ability to apply the knowledge acquired in the degree programme to complex practical tasks in an independent scientific work.
- (2) **1** The topic of the Master's Thesis is issued at the earliest at the beginning of the second semester or, in the case of part-time study, at the beginning of the third semester. **2** The issue of the topic of the Master's Thesis requires that at least 30 ECTS credits have been successfully completed.
- (3) In the full-time programme, the Master's Thesis takes six months to complete; in the part-time programme, the Master's Thesis takes twelve months to complete.
- (4) Otherwise, the regulations on the thesis in the APO THI apply.

§ 9

Overall examination grade

The overall examination grade is calculated by weighting the individual grades in accordance with the appendix.

§ 10 **Certificates**

- (1) **1** A certificate of successful completion of the Master's examination is issued in accordance with the specimen contained in the annex to the APO THI. **2** The sample certificate is specified in accordance with these academic study and examination regulations.
- (2) A Diploma Supplement is issued together with the certificate of successful completion of the Master's examination in accordance with the sample contained in the annex to the APO THI.

§ 11 **Academic degree**

- (1) On successful completion of the Master's examination, the academic degree "Master of Science", abbreviated to "M.Sc.", is awarded.
- (2) A certificate is issued for the award of the academic degree in accordance with the model contained in the annex to the APO THI.

§ 12 **Entry into force**

1 These academic study and examination regulations come into force on 15 March 2020. **2** The regulations apply to students who commence their academic studies on this study course in the first study semester from the summer semester 2020.

Issued on the basis of the resolution of the Senate of Technische Hochschule Ingolstadt of 17 December 2018, the resolution of the University Council of 16 May 2019 and the approval of the Bavarian State Ministry of Science and the Arts, StmWK of 2 July 2019, Ref.: H.7-H3441.IN/52/6 and approved by the President.

Ingolstadt, 05/08/2019

Prof Dr Walter Schober President

The Articles of Association were deposited at Technische Hochschule Ingolstadt on 6 August 2019. The deposit was announced on 6 August 2019 by means of a notice. The day of announcement is therefore 06/08/2019.