

**Study and Examination Regulations
for the master's Degree Course in
"User Experience Design"
at the Technische Hochschule Ingolstadt
Dated 17.12.2018**

Based on Art. 13 (1) sentence 2, Art. 58 (1) sentence 1, Art. 61 (2) sentence 1 of the Bavarian University and College Act – BayHSchG – dated 23 May 2006 (GVBl p. 245, BayRS 2210-1-1-WFK) in the applicable version, the Technische Hochschule Ingolstadt hereby enacts the following statutes:

Preliminary remarks concerning language

In the following text, the masculine form is used to denote both male and female persons, in the interests of clarity and legibility. All personal designations used denote both genders at all times.

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Art. 1

Purpose of the Study and Examination Regulations

The purpose of these Study and Examination Regulations is to further specify and supplement the Framework Examination Regulations for Universities of Applied Science (RaPO) of 17 October 2001 (GVBl p. 686, Bay RS 2210-4-1-4-1-WFK) and the General Examination Regulations of the Technische Hochschule Ingolstadt (APO THI) of 25 July 2011 in their respective wording.

Art. 2 Study goals

- (1) ¹The aim of the Master's study programme in User Experience Design is to impart to students, on a scientific basis, interdisciplinary technical and methodical knowledge in the area of interactive systems for human/technology interaction. ²On this basis, graduates will be able to independently develop creative and innovative ideas for interactive systems, devise prototypes, and implement them in software and/or hardware. Besides basic skills in handling interactive technologies, this degree course also imparts the necessary know-how for achieving success in the areas of design, conception, realisation, quantitative and qualitative research and scientific research methods, within the professional field. ³Besides developing their analytical and methodical competence, students will also strengthen their key qualifications for working in an academic environment. ⁴Graduates are active in such areas as research methods in human/technology interaction, ergonomics, design, implementation of interactive systems, and implementation of multimodal use interfaces; they operate with the latest level of knowledge and are capable of independently employing and expanding this in a complex thematic environment. ⁵Graduates have the competence to convey the knowledge they acquire to laypeople and to conduct exchanges with scientists on an academic level in the field of human/technology interaction.
- (2) ¹The knowledge acquired by graduates of the User Experience Design programme will enable them to take on skilled technical and management tasks in the field of human/technology interaction, and they will be capable of participating in or even managing complex projects. ²Moreover, graduates will possess the necessary intercultural and communicative skills required for working in an international context. ³Furthermore, graduates of the Master's study programme have the opportunity to subsequently write a doctoral thesis or conduct research.
- (3) The language of this degree course is English.

Art. 3 Qualification requirements

- (1) ¹The qualification requirement for admission to the Master's study programme is proof of successful completion of a study course at a German university with a minimum of 210 ECTS credit points or an equivalent study volume in an engineering discipline, interaction design, computer science or subjects related to these fields or an equivalent degree successfully completed in Germany or abroad.
- (2) ¹For degrees not displaying credits, the number of hours (workload) evidenced will be converted into credit points, whereby one credit point corresponds to a study load of 25 full (i.e. 60 minute) hours. ²If it is not possible to determine the number of study hours, 30 ECTS will be recognised per theoretical study semester. ³Practical semesters are credited with 30 ECTS provided these correspond with the practical study semester at the Ingolstadt University of Applied Sciences in terms of their type and extent.

- (3) ¹Evidence of the number of study hours in accordance with Para. 1 must be furnished by the day of enrolment at the latest. ²If the evidence in accordance with Para. 1 is not furnished by the end of the application period, a corresponding confirmation from the university must be provided that credibly confirms fulfilment of the requirement in accordance with Paragraph 1 by the end of the enrolment period; the obligation pursuant to Sentence 1 remains.
- (4) ¹Applicants who are able to provide evidence of a completed university course of study or equivalent degree qualification for which less than 210 ECTS but at least 180 ECTS credit points have been awarded may be admitted with the consent of the Examination Commission if evidence of compensation for the respective missing skills is provided with the application for admission. ²With regard to the missing skills pursuant to Sentence 1, the applicant must demonstrate due compensation for the competency shortfall amounting to up to 30 further ECTS credit points up to the qualification requirement to be evidenced in Para. 1 Sentence 1, at least at Bachelor's level. ³Evidence of compensation for missing skills must be given by the end of the application period. This can take the following forms:
- a) evidence of practical professional achievements outside the study context that correspond in terms of their content and extent with the practical semester / internship of a Bachelor's degree course in such fields as human/machine interaction, user experience design, media information technology, interaction design, Internet of things, information technology, computer science or an equivalent other Bachelor's study programme, for example at the Ingolstadt University of Applied Sciences, insofar as the qualification displays deficits in the area of the practical skills to be evidenced with regard to the qualification requirements pursuant to Para. 1 Sentence 1, or:
 - b) evidence of additional practical or theoretical study and examination achievements over and above the first degree qualification, acquired at a university in Germany or abroad or theoretical study that correspond in terms of its content and extent with the requirements of a Bachelor's degree course in such fields as human/machine interaction, user experience design, media information technology, interaction design, Internet of things, information technology, computer science or an equivalent other Bachelor's study programme, for example at the Ingolstadt University of Applied Sciences, insofar as the qualification displays deficits in the area of the theoretical or practical skills to be evidenced with regard to the qualification requirements pursuant to Para. 1 Sentence 1.
- ⁴Decisions regarding equivalency are made by the Examination Commission, taking into consideration the principles of Art. 63 Para. 1 BayHSchG. ⁵Para. 2 applies accordingly.
- (5) In the event that an applicant is not admitted, he will be notified of this in writing and the grounds given.

Art. 4
Assessment tests

- (1) The requirement for taking part in the assessment test is submission of the application within the deadline and in the correct form as well as evidence of the qualification requirements in accordance with Art. 3.
- (2) ¹A Committee consisting of two full-time professors is put together for the purpose of conducting assessment testing. ²The composition of the committee is a matter for the Faculty Council.
- (3) ¹The criterion for passing the assessment test is the grade, which is formed from the following:
 - a. grade of the first degree, carrying a weighting of 0.6
 - b. a grade with a weighting of 0.4 with which subject-specific aptitude, independent scientific research methods and experience in the field of conception, design and implementation of interactive systems is assessed and which is determined by the following criteria:
 - b.1) Knowledge in the fields of programming interactive systems, rapid prototyping in software/hardware, game development platforms, virtual/augmented reality (max. 15 points)
 - b.2) Knowledge in the fields of interaction design, design of user interfaces (graphic, audio, video), research methods in HCI, ergonomics, psychology (max. 15 points)
 - b.3) Practical experience (comparable with a practical study semester) in the field of development of interactive systems including their implementation in software/hardware (0.5 points per week, max. 10 points)

²The basis for the grading of subject-specific aptitude and experience is as follows:

- 0 points: Grade 5.0

- $(40 - \text{points attained}) \times 3/40 + 1.0 = \text{grade}$

³Aptitude is deemed as established when the assessment test is awarded an overall grade of at least 'good' (2.5). ⁴Grades are awarded in accordance with the grade classification in Art. 7 Para. 5 RaPO.

- (4) ¹The applicant is notified of the results of the assessment test in writing at the latest two weeks prior to the commencement of studies. ²Notifications of rejection state the grounds for rejection and include instructions on legal remedies.
- (5) If the applicant attains the result 'failed' in the assessment test, he will be permitted to reapply at a later date, at the earliest in the following year.

Art. 5

Structure and duration of the study course

- (1) ¹Studies are offered in the form of a consecutive degree course (full-time study). ²The degree course has a standard study period of three theoretical semesters with a total credit point score of 90 ECTS. ³The Master's thesis must also be written during this standard study period.
- (2) ¹There is no entitlement to the Master's degree course being conducted if there is an insufficient number of qualified study applicants. ²Similarly, there is no entitlement to all modules being offered every semester.
- (3) ¹The university may also provide teaching offers supported by virtual forms of teaching. ²The virtual teaching forms employed are given in the Annex to the SER, listed per module. ³The regulations of all further details is contained in the Module Handbook.

Art. 6

Credit points

¹Credit points are awarded for examinations passed and degree-related performance assessments per module as well as for successfully completed practical placements. ²In line with the European Credit Transfer System (ECTS), 60 credit points are awarded per study year. ³In this context, one credit point corresponds to a study load of 25 hours. ⁴For details of the number of credit points, see the Annex of these Study and Examination Regulations.

Art. 7

Modules and performance assessments

- (1) The modules, number of hours, number of credit points, course types, examinations, course work-based performance assessments and other regulations are laid down in the Annex of these Statutes.
- (2) All modules are either compulsory modules or compulsory elective modules:
 1. Compulsory modules are modules of a degree course that are compulsory for all students.
 2. ¹Compulsory elective modules are modules of a degree course that are offered as alternatives, either individually or in groups. ²In accordance with these Study and Examination Regulations, every student must make a certain selection from these. ³The modules thus chosen are treated as compulsory modules.

Art. 8

Module handbook

- (1) ¹The responsible faculty compiles a Module Handbook both to secure the teaching offer and for the information of students, in which he sets out the structure of the study course in detail. ²The Module Handbook is enacted by the responsible Faculty Council and publicised throughout the university. ³The publication of new regulations must take place at the latest by the beginning of the semester lecture period in which the regulations are to be first applied.
- (2) In particular, the Module Handbook contains regulations and information about
1. the division of the weekly semester hours per module and study semester,
 2. the catalogue of subject-specific compulsory elective modules with the designation of the modules and their weekly semester hours
 3. the type of courses of the individual modules, insofar as they are not definitively stipulated in the Annex of these Study and Examination Regulations,
 4. further details on the type and scope of module examinations, insofar as these are not definitively stipulated in the Annex,
 5. further details on degree-related performance assessments,
 6. the form and organisation of the lectures and seminars,
 7. the study goals (learning outcomes) and content of the individual modules,
 8. further details on lectures and seminars offered through new media,
 9. the teaching and examination language in the individual modules, insofar as these are not in English. As the degree course is in English, all modules are taught in the English language. Individual elective modules (in particular modules of the Bavarian Virtual University) may also be offered in German (these are marked with the footnote ^{D)} in the Annex to the SER).
- (3) ¹There is no entitlement to the complete set of elective modules planned for a given semester actually being offered. ²Similarly, there is no entitlement to the associated lectures and seminars being held if there are insufficient participants.

Art. 9
Master's Thesis

- (1) ¹The theme of the Master's thesis is issued at the beginning of the second semester at the earliest. ²The issuing of a theme for the Master's thesis is conditional on the successful attainment of a minimum study and examination performance amounting to 30 ECTS.
- (2) The allotted time for writing a Master's thesis is six months.
- (3) Otherwise, the regulations concerning the issuing of a final thesis set out in the General Examination Regulations of the Ingolstadt University of Applied Sciences apply.

Art. 10
Final examination grades

The Annex to these Statutes gives the weighting of each end grade in the formation of the final examination grade.

Art. 11
References

- (1) ¹A certificate attesting success in the Master's examination is issued in accordance with the specimen contained in the Annex of the General Examination Regulations of the Technische Hochschule Ingolstadt. ²The specimen certificate is substantiated in accordance with these Study and Examination Regulations.
- (2) Together with the certificate attesting success in the Master's examination, a Diploma Supplement is also issued in accordance with the specimen contained in the General Examination Regulations of the Technische Hochschule Ingolstadt.

Art. 12
Academic degree

- (1) The academic degree of Master of Science (M.Sc.) is awarded for the successful completion of the Master's examination.
- (2) A document attesting to the awarding of the academic degree is issued in accordance with the specimen contained in the Annex of the General Examination Regulations of the Technische Hochschule Ingolstadt.

Art. 13
Effective date

¹These Study and Examination Regulations come into force with effect from 15.03.2020.
²They apply to students taking up their studies in this degree course from the summer semester of 2020, in the first study semester.

Issued on the basis of the resolution of the Senate of the Technische Hochschule Ingolstadt on 17.12.2018, the resolution of the University Council on 16.05.2019 and the approval by the Bavarian State Ministry for Science and Art, StmWK from 02.07.2019, ref. No: H.7-H3441.IN/52/6 and approved by the President.

Ingolstadt, 05.08.2019

Prof. Dr. Walter Schober
President

These Statutes were laid down on 06.08.2019 in the Technische Hochschule Ingolstadt. The laying down of the Statutes was notified by public notice on 06.08.2019. The day of notification is therefore 06.08.2019.