Study and Examination Regulations for the consecutive international Master's program in Information Systems Management (Wirtschaftsinformatik) of Faculty IV Electrical Engineering and Computer Science of Technische Universität Berlin

READING VERSION

Status: as of September 2017

(Please note that only the original German Version is legally binding! This version is an unofficial reading version. The text published in the Official Gazette of Technische Universität Berlin is the authoriative and legally binding version.)

Unofficial Reading Version in consideration of:

New Version, Amtliches Mitteilungsblatt Nr. 22/2017

On January 18, 2017, the Faculty Council of Faculty IV Electrical Engineering and Computer Science of Technische Universität Berlin enacted the following Study and Examination Regulations for the consecutive international Master's program in Information Systems Management (Wirtschaftsinformatik) in accordance with Section 18, paragraph 1, no. 1 of the University Charter of Technische Universität Berlin, and Section 71, paragraph 1, no. 1 of the Act on Higher Education Institutions in the State of Berlin (Berliner Hochschulgesetz, BerlHG) in the version of July 26, 2011 (GVBl. [Berlin Gazette of Laws and Ordinances], p. 378), last amended by Article 4 of the law on May 9, 2016 (GVBl. p. 226).

Outline

I. General Section

Section 1 – Scope of Application

These study and examination regulations govern both the objectives and organization of studies, and the requirements and conduct of examinations in the consecutive international Master's program in Information Systems Management. They supplement the Regulations Governing General Study and Examination Procedures (AllgStuPO) of Technische Universität Berlin with course-specific regulations.

Section 2 – Entry Into Force/ Expiry

(1) These regulations enter into force on the day after their publication and apply to students enrolling from the winter semester of 2017/18.

(2) The study and examination regulations for the Master's program in Wirtschaftsinformatik/Information Systems Management from July 23, 2013 (Official Gazette TU [Amtliches Mitteilungsblatt der TU Berlin] 4/2014 p. 32 et seq.) will expire six semesters after the present regulations take effect. Students who have not yet completed their studies by this time will automatically be transferred to the present regulations. The responsible examination board decides on the accreditation of their previous academic performance.

(3) Students enrolled in the Master's program Information Systems Management at Technische Universität Berlin prior to the entry into force of these study and examination regulations can either complete their studies in accordance with these Study and Examination Regulations or with those of July 23, 2013 (Official Gazette TU 4/2014 p. 32 et seq.). The student's decision must be documented at the responsible office in the Central University Administration within two semesters of the entry into force of the present regulations. If no decision is communicated by the student by this time, the degree will be continued in accordance with the regulations from July 23, 2013.

II. Objectives and Organization of Studies

Section 3 – Qualification Objectives, Course Contents and Professional Fields of Activity

(1) Graduates are familiar with the subject-specific methods and approaches as used in Information Systems Management as well as the sub-areas of Computer Science, Economics and Management. They are able to apply them in order to classify scientific knowledge critically and develop their own scientific contributions and ideas. Depending on the focus of the course, this can involve broadening the students' existing knowledge and skills base or a targeted specialization. Drawing on their technical knowledge and business skills and using a systemic and analytical approach, the graduates can independently devise and implement innovations in the field of Information and Communications Technology. Graduates are able to combine knowledge from different subject areas. They are able to make scientifically grounded decisions and reflect on their potential consequences. This also includes their reacting swiftly to changing circumstances and modifying decisions accordingly. Graduates have the ability to structure complex contents and present them adequately in written and spoken form. They are able to act in a socially responsible way and work in cross-cultural settings, and they possess highly developed social and communication skills.

(2) The international Master's program in Information Systems Management is a consecutive and strongly research-oriented study program. The master's program brings together content from the core studies of Information Systems Management, Computer Science and Economics. On the basis of the skills obtained during the Bachelor's degree program, and after acquiring further scientific fundamentals, specialized studies shall introduce students to current research topics. For this purpose, the Master's program is closely interlinked with the research activities of both participating faculties - Faculty IV Electrical Engineering and Computer Science and Faculty VII Economics and Management. Generally, seminars, projects and master's theses are integrated into current research work in the individual subject areas, so that the research methods taught can be directly applied in practice. Participation in research colloquia and seminars gives students the opportunity to gain insights into cutting-edge research topics in Information Systems Management and to bring the results of their own work into current discussions in the field.

(3) Graduates of the Master's program are able to take up a position in research and science (research departments in industry, universities, universities of applied sciences, universities of cooperative education or training institutions) and of attaining further scientific qualification. In addition, they are prepared for employment in diverse areas within the field of Information Technology. They will work at the interface between Business Management and Information and Communication Technology and can therefore work in virtually any sector, company, institution, authority and scientific institute that use computer-aided information technology in order to process highly complex, company-wide business processes. Graduates are able to design and develop operational information and communications systems for organizations with the aim of enabling or optimizing business processes. They are therefore particularly qualified for tasks in leadership positions.

Section 4 – Course Start, Standard Period of Study and Required Coursework

(1) The degree can be started in the winter or summer semester.

(2) The standard period of study, including the writing of the Master's thesis, is four semesters.

(3) The required coursework in the Master's program amounts to 120 credits.

(4) The educational program and the entire examination procedure are designed and structured in such a way that students can complete the program within the standard period of study.

Section 5 – Organization of Studies

(1) Students have the right to lay down the progress of their own courses of study. However, they are obliged to comply with the provisions of these study and examination regulations. The chronology of modules is recommended according to the sample course schedule in Annex 2 to these regulations. This does not apply to obligations arising from the definition of subject-specific admission requirements for modules or because some modules are not offered in every semester.

(2) Students must achieve a total of 120 credits; 90 credits in modules and 30 credits in the Master's thesis.

(3) The modules are divided into compulsory electives (72-78 credits) and electives (12-18 credits).

(4) The compulsory modules are comprised of a total worth of 72-78 credits and are divided into three fields:

a) Information Systems Management
   - Study area: Information Systems

b) Computer Science
   - Study area: Distributed Systems and Networks
   - Study area: Data and Software Engineering

c) Economics and Management
   - Catalog: Business, Economics and Management.

The following rules apply to the modules to be completed:

- In field a), students must complete modules worth a total of 24-30 credits.
- In field b), students must complete modules worth a total of 18 to 24 credits from one of the two study areas listed.
- In field c), students must complete modules worth a total of 18-24 credits.

The modules assigned to the different fields can be found on the list of modules.

(5) Compulsory elective modules worth at least 12 credits must be completed and must include at least one project.

(6) Students must complete elective modules worth 12-18 credits. These modules give students the opportunity to acquire additional subject-specific, general and professional skills and can be chosen from the entire range of courses offered at Technische Universität Berlin, at other universities and equivalent institutions of higher education within the scope of application of the Framework Act for Higher Education (Hochschulrahmengesetz, HRG), as well as institutions of higher education and universities abroad that have been accredited as equivalent. Students are recommended to choose modules that factor in societal, social and/or gender and diversity considerations. The electives also include foreign language courses; English language modules at level C1 and above (according to the CEFR) are credited.

(7) Students are recommended to study abroad. During their studies abroad, course work and examinations are to be completed which count toward this program. Students can apply to have work credited as long as there are no substantial differences in terms of the skills acquired. The responsible examination board decides on further details. For the period of study abroad, students are recommended to create a study plan and, before they leave, to confirm with module supervisors or the examination board that the work they plan to undertake abroad can be credited. Students can receive support in this matter from the faculty by consulting the student counseling, the international studies coordinator, module supervisors, academic coordinators

or the examination board. Other rules may apply for periods of study abroad organized under agreements entered into by TU Berlin or Faculty IV. On their return to TU Berlin, students must apply to the examination board for the work they undertook at other universities to be credited.

(8) The skills taught in the modules, the requirements for module exams and any admission requirements are updated regularly in program-specific module catalogs in accordance with Section 33, paragraph 6 of AllgStuPO. They are also published in TU Berlin's Official Gazette (Amtliches Mitteilungsblatt) at the beginning of the winter and summer semesters.

III. Requirements and Conduct of Examinations

Section 6 – Purpose of the Master's Examination

The master's examination serves the purpose of assessing whether the candidate has achieved the qualification objectives according to Section 3 of these regulations.

Section 7 – Master's Degree

On the successful passing of the master's examination, Technische Universität Berlin will award the academic degree "Master of Science (M.Sc.)" through Faculty IV Electrical Engineering and Computer Science.

Section 8 – Scope of the Master's Examination; Determination of the Overall Grade

(1) The master's examination comprises the module examinations for the modules completed as part of these regulations and the Master's thesis according to Section 9.

(2) The overall grade is determined in accordance with the principles outlined in Section 47 of AllgStuPO. It is based on a) the module examinations that are graded and form part of the overall grade according to the list of modules, and b) the grade of the master's thesis.

(3) In calculating the overall grade, the following degree components are given a zero weighting (i.e. they are not included in the final grade): a) the elective modules b) the modules completed according to Section 5, paragraph 5 worth a maximum of 12 credits.

Section 9 – Master's Thesis

(1) The Master's thesis is usually completed in the fourth semester. It is worth a total of 30 credits and amounts to 26 weeks' work. If there is an important reason, and it is beyond the student's control, the examination board can grant an extension of up to one month, and in cases of illness up to three months.

(2) To be admitted to complete a master's thesis, students must submit evidence of having successfully completed module examinations worth at least 60 credits to the responsible office in the University's Central Administration. In exceptional cases, the examination board can decide to admit a student who cannot yet provide evidence of attaining the required amount of credits.

(3) The topic of the Master's thesis may be rejected by the student on one occasion, however, only within the first six weeks of being issued by the responsible office of the Central University Administration.

(4) The procedures of application for admission to a final thesis and the latter's assessment are set down in AllgStuPO as amended.

(5) The Master's thesis must not contain a non-disclosure statement or any other secrecy arrangement that goes beyond the standard confidentiality and due diligence obligations.

Section 10 – Types of Examination and Enrollment for Examinations

(1) The types of examination and the procedure of enrollment for module examinations are set down in AllgStuPO as amended.

(2) For compulsory elective modules studies at other faculties or universities, the types of examination specified in the relevant module descriptions apply.

Annex 1 – List of Modules

https://www.eecs.tu-berlin.de/menue/studium_und_lehre/studiengaenge/wirtschaftsinformatik/master/aktueller_studiengang_stupo_2017_ab_ws_201718/module/parameter/en/ (Quick Access: 186832)

Annex 2 – Recommended Progress of Study

<table>
<tr><th>Sem. / LP</th><th colspan="4">Information Systems Management (Wirtschaftsinformatik)</th></tr>
<tr><td>1st semester
30 CP</td><td rowspan="3">Studies in Information Systems Management
(24-30 CP)</td><td rowspan="3">Studies in Computer Science
(18-24 CP)</td><td rowspan="3">Studies in Economics & Management
(18-24 CP)</td><td rowspan="3">Electives
(12-18 CP)</td></tr>
<tr><td>2nd semester
30 CP</td></tr>
<tr><td>3rd semester
30 CP</td></tr>
<tr><td>4th semester
30 CP</td><td colspan="4">Master’s thesis
(30 CP)</td></tr>
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