These degree programme and examination regulations have been worded carefully to be up to date; however, errors cannot be completely excluded. The official German text available from L1 – Office of Legal Affairs and Academic Quality Management is the version that is legally binding.

Note: Students who started their studies before the latest amendment came into effect are requested to also comply with previous amendments and the respective transitory provisions.

Degree Programme and Examination Regulations for the Master's Degree Programme in International Information Systems (IIS) of the Faculty of Business, Economics, and Law at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) – FPOIIS –
Dated 8 July 2010

amended by statutes of
17 January 2011
15 February 2013
18 February 2014
5 June 2014
18 January 2016
18 August 2017
15 June 2018
15 August 2019
3 December 2019
22 September 2021

Based on Section 13 (1)(2), Section 43 (5)(2), Section 58 (1) and Section 61 (2)(1) of the Bavarian Higher Education Act (Bayerisches Hochschulgesetz, **BayHSchG**), FAU enacts the following General Degree Programme and Examination Regulations:

Table of Contents:

Section 1 Scope
The degree programme and examination regulations for the research-oriented consecutive Master's degree programme in International Information Systems leading to the qualification Master of Science supplements the currently valid version of the general

examination regulations for the Master's degree programmes at the School of Business, Economics and Society at the Faculty of Business, Economics, and Law at FAU – **MPOWISO** – dated 16 July 2009.

Section 2 Qualification for a Master's Degree, Certificates and Admission Requirements

(1) Equivalent degrees as defined in Section 26 (1)(1)(1) **MPOWISO** are in particular Bachelor's degrees in the areas of business and economics, information systems, engineering or computer science (in particular Bachelor's degree programmes at FAU in business and economics, information systems, international business studies, computer science, information and communication technology, and industrial engineering and management, as well as other comparable degrees from other universities such as business studies, business administration, information systems or computer science).

(2) The following documents must be submitted pursuant to No. 2.3.3 of the **Appendix** to **MPOWISO**:

1. A two-page essay written in English (max. 1,000 words) following a template provided by the admissions committee and referring to academic sources using the MIS Quarterly citation style; the admissions committee shall publish one or more topics from which candidates can choose on the website for the degree programme by 1 April at the latest.
2. [1]Evidence of proficiency in English at a level equivalent to at least C1 of the Common European Framework of Reference (CEFR) for languages; applicants who did not obtain their university entrance qualification in the USA, Canada, Australia, New Zealand, Ireland or the United Kingdom should provide proof of having passed one of the following recognised language tests:
    a) Test of English as a Foreign Language (TOEFL) (an individual score of at least 95 points, 'MyBest' score not accepted),
    b) International English Language Testing System (IELTS) (a score of at least 7.0),
    c) UNICERT III,
    d) Cambridge Main Suite of English Examinations, in particular Cambridge Advanced English (CAE) or
    e) Cambridge English Proficiency (CPE).
    [2]Alternatively, completing the relevant undergraduate degree as stipulated in paragraph 1 in English is considered sufficient proof of proficiency.
3. [1]Evidence of proficiency in German at a level equivalent to at least A2 of the Common European Framework of Reference (CEFR) for languages; applicants who did not obtain their university entrance qualification in Germany or another German-speaking country should provide proof of having passed one of the following recognised language tests:
    a) DSH (1), DSD (I),
    b) telc Deutsch (A2),
    c) Goethe Zertifikat A2, DSH 1,
    d) TestDaF (3).
    [2]Alternatively, completing the relevant undergraduate degree stipulated in paragraph 1 in German or passing language courses at a level equivalent to at least A2 (CEFR) is counted as evidence of sufficient proficiency in German.
4. Evidence of scope and quality of other skills, competencies and soft skills in the following areas, as far as applicable:

a) Time spent abroad of relevance for the subject, in particular studying or completing an internship abroad; a transcript of records or another certificate from the foreign university or a reference or similar document from the employer where the applicant completed work experience or an internship can be accepted as proof, and/or

b) Relevant work experience such as internships, vocational training, work as a research assistant or student trainee; proof can be provided with an employment contract, an employment or internship certificate or other proof of activity from the respective employer.

(3) [1]In the first stage of the qualification assessment process, the documents to be submitted according to 2.3 of the **Appendix** to **MPOWISO** and paragraph 2 above are assessed according to the following criteria, with a maximum possible score of 100 according to 5.1 of the **Appendix** to **MPOWISO**:

1. Quality of achievements in the relevant undergraduate degree according to paragraph 1 based on average grade (max 40 points),
2. Relevance of skills obtained from previous studies (not necessarily only from the relevant undergraduate degree) in business and economics, computer science and information systems, assessed according to submitted certificates and evaluated in view of study objectives (max 45 points),
3. Quality of essay pursuant to paragraph 2 (1) (max 5 points),
4. Scope and duration of relevant periods of work experience, in particular work placements, vocational training or qualified stays abroad; assessment on the basis of the evidence submitted pursuant to paragraph 2 (4) a) and b) (max 10 points).

[2]Points are allocated for the criteria pursuant to sentence 1 as follows:

1. [1]A maximum total of 40 points is allocated to achievements obtained in the undergraduate degree pursuant to sentence 1 (1). [2]Points are allocated on the basis of table 1.

   Table 1: Conversion of grades

Grade	Points	Grade	Points
1.0	40.0	2.4	19.0
1.1	38.5	2.5	17.5
1.2	37.0	2.6	16.0
1.3	35.5	2.7	14.5
1.4	34.0	2.8	13.0
1.5	32.5	2.9	11.5
1.6	31.0	3.0	10.0
1.7	29.5	3.1	8.5
1.8	28.0	3.2	7.0
1.9	26.5	3.3	5.5
2.0	25.0	3.4	4.0
2.1	23.5	3.5	2.5
2.2	22.0	3.6	1.0
2.3	20.5	≥ 3.7	0

2. [1]A total of 45 points may be allocated for knowledge of business and economics, computer science and information systems that is relevant for the study objective according to sentence 1 (2), with a maximum of
   a) 30 points for detailed knowledge of the foundations of business and economics,
   b) 40 points for knowledge of the foundations of computer science as well as

c) 20 points for detailed knowledge of the foundations of information systems; the number of points that can be allocated for each area corresponds to half of the ECTS credits obtained in the relevant area.

3. [1]The quality of the candidate's essay pursuant to sentence 1 (3) accounts for a maximum of 5 points. [2]A maximum of 2.5 points are allocated for content and argumentation, and 2.5 points for the structure and format of the essay, and the candidate's use of academic sources.

4. [1]A maximum of 10 points are awarded for relevant/subject-related work experience and time spent abroad, in particular internships, vocational training or qualified stays abroad pursuant to sentence 1 (4). [2]A total of 1.7 points are allocated for each month spent in relevant full-time internships / employment or stays abroad and 0.85 points per month for employment in relevant part-time positions.

[3]The overall score is reached by adding the points scored for the individual weighted criteria. [4]Applicants who have scored at least 60 points shall receive a notification of having passed the qualification process; ineligible applicants with less than 50 points shall receive a rejection notification including reasons and information on legal remedies available. [5]Applicants who obtain between 50 and 59 points in the first stage shall be invited to attend the second stage pursuant to (4).

(4) [1]In the second stage of the qualification assessment process pursuant to no. 5.2 of the **Appendix** to **MPOWISO**, applicants are invited to give a presentation followed by an admission interview. [2]The presentation shall have a duration of 20 minutes (10 minutes presentation and 10 minutes discussion) and is intended to demonstrate that the applicant possesses the required technical and methodological expertise and can be expected to carry out independent academic work in a more research-oriented degree programme. [3]The admissions committee shall provide applicants with a choice of one or several topics for the presentation. Applicants shall be informed of the topic at the same time as they are invited to attend the admissions interview, with notice of at least one week. [4]In the subsequent admissions interview, the applicant is asked general questions covering topics such as their personal suitability for the degree programme and their expectations regarding the degree programme. [5]The admissions interview shall have a duration of 10 minutes. [6]The interview is intended to determine whether the applicant can be expected to complete the degree programme successfully. [7]A further 100 points are allocated for the presentation followed by the assessment interview. [8]The applicants are assessed in particular on the basis of the following criteria and weighting:

1. Quality of the presentation with respect to content and structure, e. g. accuracy, weighting of points covered, structure of the entire presentation and links between the various parts (max 20 points), presentation skills, e. g. language, gestures, attitude, manner (max 20 points) and visualisation, for example suitable choice of media (max 20 points),

2. Ability to conduct an academic discussion and defend their findings to an academic audience (20 points),

3. Ability to give a convincing argument of their suitability for the planned degree programme (max 20 points).

[9]Points are allocated for the various aspects pursuant to sentence 8 according to the following criteria:

Table 2: Points allocated pursuant to Section 2 (4)(8)

Requirements pursuant to (4)(8) no. 1, 2 or 3 are met	Points
Requirements pursuant to (4)8 are fully met	20
Requirements pursuant to sentence (4)8 are mainly met, even though the criteria are not (fully) met for individual points	15

As a whole, the requirements pursuant to (4)8 are met, although other criteria are not (fully) met	10
As a whole, the requirements pursuant to (4)8 are not met	5
The requirements pursuant to (4)8 are hardly met or not met at all	0

[10]Applicants who achieve at least 60 points will be admitted to the degree programme; all other applicants shall receive a rejection notification including reasons and information on legal remedies available.

Section 3 Scope and Structure of the Master's Degree Programme, Examinations, Teaching and Examination Language, Stay Abroad, Specialisations

(1) [1]In the first semester, students learn interdisciplinary skills and foundational knowledge. [2]Students expand their previous knowledge from either management or computer science by attending classes in the other subject. [3]In the first semester, students with a degree in Business and Economics or a related subject pursuant to Section 2 (2) receive an introduction to the foundations of computer science by attending modules chosen from those included in the customised introduction to International Information Systems. [4]In the first semester, students with a degree in engineering or computer science related subjects receive an introduction to the foundations of business administration by attending modules chosen from those included in the customised introduction to International Information Systems.

(2) [1]The Master's degree programme International Information Systems is divided into the following areas:
1. Customised Introduction to International Information Systems
   (total 15 ECTS credits)
   a) management I and
   b) management II or
   c) informatics I and
   d) informatics II
2. Information Systems (30 ECTS credits)
   a) Modules from Data and knowledge, Digital business, Architectures and development (compulsory electives) (15 - 30 ECTS credits)
   b) Extension courses (electives) (0 - 10 ECTS credits)
   c) Study abroad courses (electives) (0 - 10 ECTS credits)
3. Informatics (30 ECTS credits)
   a) Modules from Data and knowledge, Digital business, Architectures and development (compulsory electives) (15 - 30 ECTS credits)
   b) Extension courses (electives) (0 - 10 ECTS credits)
   c) Study abroad courses (electives) (0 - 10 ECTS credits)
4. Interdisciplinary qualifications (key skills) (15 ECTS credits)
   a) Foreign language skills (0 - 5 ECTS credits)
   b) Studium Generale (0 - 5 ECTS credits, ungraded)
   c) IIS Research seminar (0 - 5 ECTS credits)
   d) IIS Project seminar (0 - 10 ECTS credits)
5. Master's thesis (30 ECTS credits).
[2]Due to the specific subject skills that are set out in each module description and must be acquired as part of the learning outcomes of the Master's degree programme, any modules already taken as part of the Bachelor's degree programme or other module areas within the curriculum of the Master's degree programme cannot be chosen again.

(3) The type and scope of the examinations are governed by Section 4 to 6 as well as the **Appendix** and Sections 16 to 18b of **MPOWISO**.

(4) Section 4 (5) **MPOWISO** shall apply with the proviso that the teaching and examination language is predominantly English and otherwise German.

(5) [1]Students must spend at least one semester abroad over the course of the degree programme. [2]This could mean spending a semester at a foreign university, writing the Master's thesis at a foreign university or working on the Master's thesis at a company abroad.

(6) [1]Students may choose specialisations. [2]Specialisations include modules focusing on one related area of study and are worth at least 25 ECTS credits. [3]Possible specialisations are:
1. Data and knowledge,
2. Digital business,
3. Architectures and development.
[4]The module handbook specifies which modules are allocated to which specialisations. [5]If a module may be allocated to more than one specialisation, students may decide themselves which specialisation it is to be allocated to. [6]In each specialisation, at least one module (5 ECTS credits) must be taken from the area of information systems and at least one module (5 ECTS credits) from the area of informatics. [7]Students may not have more than one specialisation accredited. [8]If students have acquired at least 25 ECTS credits in more than one specialisation, the specialisation with the better average grade shall be accredited. [9]If the student files a request with the Examinations Committee, another specialisation may be accredited instead.

Section 4 Compulsory Elective Modules in Information Systems
(1) [1]In the compulsory elective modules in information systems worth a total of 30 ECTS credits, students acquire comprehensive knowledge in information systems across the three areas of Data and knowledge, Digital business and Architectures and development. [2]Students shall take compulsory elective modules worth at least 5 ECTS credits from each module area included under information systems. [3]The learning outcome is to give students fundamental knowledge in the individual module areas. [4]In order to gain the required total number of ECTS credits, students can submit up to 15 ECTS credits from the three module areas stated in sentence 1, up to 10 ECTS credits from 'extension courses' and up to 10 ECTS credits from 'study abroad'. [5]The element of choice in the various areas allows students to focus on a certain topic. [6]The broad range of topics covered in the module areas as part of the curriculum gives students a solid knowledge base that they can build upon with their key qualifications.

(2) [1]The type and scope of the examination are dependent on the skills for the chosen module according to (1) and the module handbook. [2]Examination achievements can be a written examination, a project work, a presentation, a seminar paper, a discussion paper, a case study, a handout, a project report, a written assignment, an oral examination or a combination of the above; Section 6 (2)(3) **MPOWISO** shall remain unaffected. [3]Modules imported from other faculties or completed abroad shall be governed by the **examination regulations** for the subject in question or the university abroad. [4]The module catalogue is announced before the beginning of the semester in accordance with local practice.

Section 5 Compulsory Elective Modules in Informatics

(1) [1]In the compulsory elective modules in informatics worth a total of 30 ECTS credits, students acquire comprehensive knowledge in informatics across the three areas of Data and knowledge, Digital business and Architectures and development. [2]Students shall take compulsory elective modules worth at least 5 ECTS credits from each module area included under informatics. [3]The learning outcome is to give students fundamental knowledge in the individual module areas. [4]In order to gain the required total number of ECTS credits, students can submit up to 15 ECTS credits from the three module areas stated in sentence 1, up to 10 ECTS credits from 'extension courses' and up to 10 ECTS credits from 'study abroad'. [5]The element of choice in the various areas allows students to focus on a certain topic. [6]The broad range of topics covered in the module areas as part of the curriculum gives students a solid knowledge base that they can build upon with their key qualifications.

(2) [1]The type and scope of the examination are dependent on the skills for the chosen module according to (1) and the module handbook. [2]Examination achievements can be a written examination, a project work, a presentation, a seminar paper, a discussion paper, a case study, a handout, a project report, a written assignment, an oral examination or a combination of the above; Section 6 (2)(3) **MPOWISO** shall remain unaffected. [3]Modules imported from other faculties or completed abroad shall be governed by the **examination regulations** for the subject in question or the university abroad. [4]The module catalogue is announced before the beginning of the semester in accordance with local practice.

(3) [1]The modules usually consist either of a lecture (2 SWS) and a tutorial/exercise (2 SWS), a lecture (2 SWS) and a seminar (2 SWS) or two seminars (2 SWS + 2 SWS). [2]Further provisions shall be set forth in the module handbook.

Section 6 Interdisciplinary Qualifications pursuant to Section 3 (2)(4)

(1) [1]The overriding learning outcome of the interdisciplinary qualifications is in the first instance to allow students to gain more advanced knowledge in the specialisations covered by the degree programme, either in the area of information systems or informatics, as well as gaining a greater understanding of other interdisciplinary topics. [2]Secondly, the interdisciplinary qualifications allow students to gain an insight into other fields of study, expanding their observational horizons and encouraging students to take an interdisciplinary approach to topics relating to information systems. [3]Thirdly, the element of choice gives students the opportunity to shape their own particular profile in view of their future career.

(2) [1]The specific learning outcome of the foreign language skills pursuant to Section 3 (2)(1)(4 a) in conjunction with the **Appendix** is to give students the ability to express themselves in various languages in an international environment. [2]Students may take any of the language modules offered by the Language Centre, with the exception of German up until level B1 CEFR and English up until level C1 CEFR.

(3) The specific learning outcome of the Studium Generale pursuant to Section 3 (2)(1)(4 b) in conjunction with the **Appendix** is to allow students to expand their observational horizon and shape their own profile.

(4) [1]The specific learning outcome of the IIS Research seminar pursuant to Section 3 (2)(1)(4 c) in conjunction with the **Appendix** is to give students the ability to carry out

independent research into a topical issue using specialist literature and research reports and to defend their opinion on the matter in an academic discussion. [2]The focus is on systematically working through and preparing the content.

(5) [1]The first learning outcome of the IIS project seminar pursuant to Section 3 (2)(1)(4 d) in conjunction with the **Appendix** is to allow students to gain a greater understanding of an application-oriented project that may relate to either information systems or informatics. [2]Secondly, students are given the opportunity to shape their own individual profile in view of their future career and to put the theory learnt in Section 4 and Section 5 into practice on the basis of a specific practical problem.

(6) [1]The type and scope of the examinations in the area of the interdisciplinary qualifications are dependent on the skills for the chosen module according to (1) and the module handbook. [2]Possible examination achievements in the IIS Research seminar and the IIS Project seminar are a seminar paper, a project report, a handout, a presentation, or any combination of the above. [3]In the case of foreign language skills and the Studium Generale, modules imported from other faculties or completed abroad shall be governed by the **examination regulations** for the subject in question or the university abroad. [4]The module catalogue is announced before the beginning of the semester in accordance with local practice.

Section 7 Legal Validity and Transitory Provisions

(1) [1]These degree programme and examination regulations shall come into effect on the day after their publication. [2]They shall apply to all students who enter the Master's degree programme International Information Systems in winter semester 2010/2011 or later.

(2) [1]The sixth amendment statute shall come into effect on 1 October 2017. [2]It shall apply to all students starting a degree programme from the winter semester 2017/2018 onwards. [3]Notwithstanding sentence 2, the changes in Section 3 (6) also apply to those students who are already studying in accordance with the currently valid version of the examination regulations for the Master's degree programme International Information Systems (IIS) and who started to study as of winter semester 2016/2017.

(3) [1]The seventh amendment statute shall come into effect on the day after its publication. [2]It shall apply to all students starting a degree programme from the winter semester 2018/2019 onwards.

(4) [1]The eighth amendment statute shall come into effect on the day after its publication. [2]It applies to all students who have not yet started examinations for the module 'Algorithms and data structures'.

(5) [1]The ninth amendment statute shall come into effect on the day after its publication. [2]Notwithstanding sentence 1, the amendments in Section 2 shall apply to all students starting a degree programme from winter semester 2020/2021 onwards.

(6) [1]The tenth amendment statute shall come into effect on the day after its publication. [2]It shall apply to all students starting a degree programme from winter semester 2021/2022 onwards. [3]Examinations according to the previously valid degree programme and examination regulations shall be offered for the last time in summer semester 2024. [4]From the date stated in sentence 3, those students who are affected by

the examination regulations becoming invalid shall take their examinations in accordance with the currently valid version of the degree programme and examination regulations. [5]Notwithstanding sentence 2, the amendments in Section 2 shall apply to all students starting a degree programme from winter semester 2022/2023 onwards.

Appendix: Study Plan for Master's Degree Programme IIS

Module name	Teaching unit	L	T	P	S	Total ECTS credits	1st sem.	2nd sem.	3rd sem.	4th sem.	Type and scope of the examination	Weighting final grade
Customized introduction to International Information Systems (management I and II or informatics I and II) (15 ECTS)												
Management I (10 ECTS)												
Foundations of international management I	see FPO MSc IBS					**5**	5				see FPO MSc IBS	1
Foundations of international management II	see FPO MSc IBS					**5**	5				see FPO MSc IBS	1
Management II (5 ECTS)												
Management II	Business strategy	2	2			**0-5**	0-5				Written examination (60 minutes)	1
								or				
	Global operations strategy	4				**0-5**	0-5				Written examination (60 minutes, 50 %) and presentation (50 %)	1
								or				
	Global retail logistics	2				**0-5**	0-5				Written examination (multiple choice, 60 minutes)	1
Informatics I (10 ECTS)												
Introduction to Computer Science	Introduction to Computer Science	4	2	2		**10**	10				Written examination (120 minutes)	1
Informatics II (5 ECTS)												
Informatics II	Conceptual modelling	2	2			**5**	5				*pursuant to FPO BSc. Computer science*	1
Information Systems (30 ECTS) [1]											see Section 4 (2)	
Module area: Data & knowledge – Information systems						5-20	5	0-15				1
Module area: Digital business – Information systems						5-20	5	0-15				1
Module area: Architectures & development – Information systems						5-20		5	0-15			1
Extension courses						0-10		0-10				1
Study abroad courses						0-10			0-10			1
Informatics (30 ECTS) [1]											see Section 5 (2)	
Module area: Data & knowledge – Informatics						5-20	5	0-15				1
Module area: Digital business – Informatics						5-20		5	0-15			1
Module area: Architectures & development – Informatics						5-20		5	0-15			1
Extension courses						0-10		0-10				1
Study abroad courses						0-10			0-10			1

Module name	Teaching unit	SWS (semester hours)				Total ECTS credits	Distribution of workload per semester in ECTS credits				Type and scope of the examination	Weighting final grade
		L	T	P	S		1st sem.	2nd sem.	3rd sem.	4th sem.		
Interdisciplinary Qualifications (15 ECTS) [2]											see Section 6 (4)	
Foreign language skills						**0-5**		0-5				1
Studium Generale						**0-5**		0-5				0
IIS Research seminar						**0-5**			0-5			1
IIS Project seminar						**0-10**			0-10			1
Master's thesis (30 ECTS)												
Master's thesis						**30**	30	30	30	30	Master's thesis	1
Total SWS (minimum) and ECTS:		24	10	4	10	**120**	30	30	30	30		
		48										

[1] Within this compulsory elective section, students must choose modules from each module area worth 5 ECTS credits. The type and scope of teaching units and examinations depend on the specific manner in which the respective module is taught; see module handbook for details. Section 4 (3)(3) **MPOWISO** shall apply when choosing modules.

[2] Choice of modules worth 15 ECTS credits pursuant to Section 6 and the module handbook. The type and scope of teaching units and examinations depend on the specific manner in which the respective module is taught; see module handbook for details. Section 4 (3)(3) **MPOWISO** shall apply when choosing modules.