UNIVERSITÄT
BAYREUTH

University of Bayreuth, 95440 Bayreuth

Announcement of University Regulations

Ref No. A 3397/5 - I/1a
(please include in future correspondence)
Bayreuth, 15 March 2016

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Second set of amendments to the examination and study regulations for the master's programme Computer Science at the University of Bayreuth

Annex: Regulations with notes concerning official copies and announcements

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The University of Bayreuth has announced the second set of amendments to the Examination and Study Regulations for the Master's Programme Computer Science at the University of Bayreuth under the terms of § 2 of the Regulations Governing the Announcement of University Statutes (*BayRS* 2210-1-1-1-WFK) by posting a notice at the university.

Please take note of the present regulations.

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Professor Dr. Stefan Leible

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Second set of amendments to the
Examination and Study Regulations for the master's programme Computer Science
at the University of Bayreuth (version date: 15 March 2016)

Article 13 para 1 sentence 2 in conjunction with Article 58 para 1 sentence 1 and Article 61 para 2 sentence 1 of the Bavarian Higher Education Act (*BayHSchG*) form the framework for the following amendments issued by the University of Bayreuth.[*]

§ 1

The examination and study regulations for the master's programme *Computer Science* at the University of Bayreuth, dated 20 June 2012 (AB UBT 2012/022), and last amended on 20 March 2014 (AB UBT 2014/009) are hereby amended as follows:

1. The following changes are made to para 1:

    a) In number 2, the passage "the bachelor's programme *Applied Computer Science*" is followed by the passage "or the bachelor's programme *Computer Science*".

    b) In number 3, the passage "the bachelor's programme *Applied Computer Science*" is followed by the passage "or the bachelor's programme *Computer Science*".

    c) The new version of number 4 is as follows:

    "4. an examination result of "DSH 2" in the DSH examination or an equivalent examination for applicants who obtained their university entrance qualification and their first degree in a language other than German, or a strong command of the English language. Applicants who did not gain their university entrance qualification or their first degree in an English-taught programme can demonstrate their knowledge of English by submitting a thesis that was written in English and submitted to a higher education institution or by achieving level "B2" according to the Common European Framework.

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[*] Any gender-specific language used in these regulations applies to both men and women. Changes will not be made to the wording of the individual regulations.

In consultation with the chair of examiners, the test can be waived if the language qualifications are demonstrated by an equivalent assessment.

2. The following changes are made to § 3:

a) The following changes are made to para 1:

aa) In item A), the number "30" is replaced by the number "35", and the number "45" is replaced by the number "60".

bb) Item B) is changed as follows:

aaa) In the first sentence, the number "30" is replaced by the

number "15". bbb) The second sentence is replaced by the

following:

"In cases of more than one project module, each module must be supervised by a different module representative, and each must be on a different topic."

cc) In item C), each instance of the word "application" is replaced by the word "minor"; the words "application subjects" are replaced by the word "minors"; the words

"application subject" are replaced by the word "minor"; the words

"application models" are replaced by the words "minor models".

dd) Item D) is deleted without substitution; item E) becomes item D).

b) In para 3, each instance of the words "of the application area" is replaced by the words

"of the minor", and the words "application area" are replaced by the word "minor".

3. The following changes are made to § 8:

a) In para 1, the number "3" is replaced by the number "2".

b) Para 2 is deleted without substitution; para 3 and 4 become para 2 and 3.

c) The following changes are made to para 2:

"(2) [1]If credits are awarded for competencies, the grades are to be carried over and included when calculating the final grade, as long as the grading systems are analogous.

If the grading system for the competencies to be transferred does not correspond to the grading system given in § 16, the grades received at the other higher education institution are to be calculated using the Modified Bavarian Formula:

$$x = 1+3*(N_{max} - N_d)/(N_{max} - N_{min})$$

where x is the grade to be calculated, N_{max} is the highest possible grade, N_{min} is the highest passing grade, and N_d is the actual grade; in this calculation, the grade to be calculated is only given to one decimal place and is not adjusted to fit the grading scale given in § 16. [3]If the grading systems are not analogous, the remark "*bestanden*" ("passed") shall appear in place of a grade; in this case, the course shall not be taken into account when calculating the final grade. [4]The board of examiners in consultation with the relevant representative from the subject area shall decide whether the requirements have been met for credit transfer. [5]If credit transfer is denied, the person concerned can appeal the decision by submitting a request for the University Board to review the decision within four weeks of notification of denial. [6]The University Board shall provide the board of examiners with a recommendation on how to proceed with the request."

d) In para 3, the passage "prior to the announcement of the grade for the last possible examination repetition for the relevant module" is replaced by the passage "no later than the initial registration for the relevant module".

4. The new version of § 12 para 3 sentence 1 is as follows:

"[1]The master's thesis is integrated into the course of one's studies."

5. In § 13 para 1, sentence 3 is added as follows:

"[3]One credit point is based on 30 hours of work."

6. § 18 para 4 is deleted without substitution.

7. In § 25 para 2 sentence 1, each instance of the words "of the application area" are replaced by the words

"of the minor".

8. The following changes are made to § 26 para 2 sentence 4:

a) The following bullet point is added before the last bullet point:

"● when planning a semester abroad;"

b) After the last bullet point, the words "application models" are replaced by the words

"minor models".

9.   The annex: The following changes are made to the module overview:

Annex: Module overview

One examination is generally to be taken for each module. The relevant forms of examination are based on § 11; the form of examination is to be determined on the basis of § 9 para 2 sentence 1.

Abbreviation	*Area* Modules	*Credit Points**
	Area A: Computer Science	
INF 201	Parallele und verteilte Systeme II	5
INF 202	Computergraphik I	5
INF 203	Eingebettete Systeme	5
INF 204	Datenbanken und Informationssysteme II	5
INF 206	Algorithmen und Datenstrukturen II	5
INF 207	Robotik I	5
INF 208	Computersehen	5
INF 209	Animation und Simulation	5
INF 210	Künstliche Intelligenz II	5
INF 211	Funktionale Programmierung	5
INF 212	Theoretische Informatik II	5
INF 213	Multimediale Systeme II	5
INF 214	Grundlagen der Modellierung	5
INF 215	Sicherheit in verteilten Systemen	5
INF 305	Programmierung innovativer Rechnerarchitekturen	8
INF 307	Datenbanken und Informationssysteme III	8
INF 314	Algorithmen und Datenstrukturen III	8
INF 315	Robotik II	5
INF 316	Mustererkennung	5
INF 317	Computergraphik II	5
INF 318	Computergraphik II	5
INF 320	Parallele Algorithmen	5
INF 321	Theoretische Informatik II	5
INF 322	Software Engineering II	5
INF 323	Modellgetriebene Softwareentwicklung	5
INF 324	Software Produktlinien Entwicklung	5
INF 325	Entwicklung domänenspezifischer Sprachen	5
	to be earned:	*35 to 60*
	Area B: Projects	
INF 351	smaller master's project	8
INF 352	larger master's project	15
INF 353	larger master's seminar	8
	to be earned:	*15 to 32*
	Area C: Minor	
	Modules from the area of application chosen under § 3 para 1 item C	
	to be earned:	*5 to 25*
	Area D: Master's Thesis	
INF 301	Master's thesis	30
	to be earned:	*30*

	Total:	120

(*) For the credit points to be earned in each area as well as the total credit points to be earned, see § 3."

§ 2

[1]These regulations shall take effect on 15 March 2016. [2]They shall be valid for all students enrolling in this programme for the first time in Summer Semester 2016 or later. [3]The remaining students are to plan their studies in accordance with the previous Examination and Study Regulations for the master's programme *Computer Science* at the University of Bayreuth dated 20 June 2012 (AB UBT 2012/022) and last amended on 20 March 2014 (AB UBT 2014/009). [4]Notwithstanding sentence 3, such students may carry out their studies under the terms of the present regulations if they submit a request to the board of examiners in writing.

Issued on the basis of a decision made by the University of Bayreuth's Senate on 2 March 2016 and approved by the President of the University of Bayreuth on 14 March 2016, Ref No. A 3397/5 - l/1a.

Bayreuth, 15 March 2016

PRESIDENT OF THE
UNIVERSITY OF
BAYREUTH

Professor Dr. Stefan Leible

These regulations were enacted at the university on 15 March 2016. This was announced on 15 March 2016 by posting a notice at the university. The date of the announcement is 15 March 2016.

Bayreuth, 15 March 2016

PRESIDENT OF THE
UNIVERSITY OF
BAYREUTH

Professor Dr. Stefan Leible