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Admissions statutes of Ulm University for the English-taught master's programme in Advanced Materials of 28 February 2018

Based on §§ 63 (2), 60 (2) no.2, 59 (1) LHG (*Landeshochschulgesetz* - federal state higher education act Baden-Württemberg) in the version of article 1 of the third law on changes to higher education regulations (*Drittes Hochschulrechtsänderungsgesetz*- 3. HRÄG) of 1 April 2014 (law gazette no. 6, p 99ff) last amended by article 2 of the law of 7 November 2017 (law gazette no. 22, p. 584ff), the Senate of Ulm University adopted the following statutes on 21 February 2018.

Preliminary remark on language use

According to Article 3 (2) Basic Law, men and women have equal rights; all male designations of persons and positions used in these regulations apply equally to men and women.

§ 1 Scope of application

Ulm University allocates the first-semester places in its master's programme in "Advanced Materials" according to the following provisions.

§ 2 Deadline and form

(1) Students are admitted once per year to the respective winter semester. Ulm University must receive the application for admission to the winter semester by 15 March of the respective year. The provisions related to admission procedures in general as stated in the admissions and enrolment statutes of Ulm University remain unaffected and are applied.

(2) To apply for admission an online application form must be filled in and transferred electronically to Ulm University by the deadline indicated in paragraph 1 above unless an electronic application would impose hardship on the applicant. Hardship is given where applicants can credibly demonstrate that they were not able to or limited in their ability to use electronic data transfer for reasons beyond their control.

(3) Ulm University must have received the signed online form and all documents listed on the form by the deadline indicated in paragraph 1 above.

(4) The following documents must be submitted together with the application:

a) proof of compliance with the requirements listed in § 3,

b) statement declaring whether the applicant has lost their right to examination in the master's programme in Advanced Materials or any other study programme with essentially the same content at any German university. The subject-specific study and examination regulations indicate which study programmes are deemed to be related.

c) A written report (in English) in which applicants state their personal and subject-related reasons for applying for the chosen study programme and in which they explain their choice of programme (letter of motivation).

d) Copies of certificates and other documents demonstrating the applicant's previous career. This may be proof of vocational training and/or practical work as well as any previous studies allowing conclusions about the applicant's aptitude for this programme.

e) two letters of recommendation from the institute of higher education where the final examination qualifying for admission to this master's programme was taken.

(5) Where such proof is not in German or English, a certified translation into German or English is required.

§ 3 Entrance requirements

(1) Entrance is subject to the following requirements:

a) proof of a bachelor's degree awarded after completion of a minimum three-year study programme in the natural sciences or engineering, in particular, in physics, chemistry, biology, materials science, electrical engineering or any other programme focussing on the science of materials at any university in Germany or abroad or any degree recognized as equivalent;

b) proof of basic competencies in the natural sciences, materials sciences and/or engineering (Annex 1). Such competencies can be demonstrated through corresponding modules and courses from bachelor's or equivalent studies. If such competencies cannot be demonstrated through bachelor's or equivalent studies, successful completion of the preparatory course (*Propädeutikum*) for the English-taught master's programmes at Ulm University serves as proof.

The preparatory course is deemed to have been passed if the final examination on completion of the preparatory course was passed. Admission to the final examination of the preparatory course is subject to a minimum of 80 % attendance during the practical part of the preparatory course. In exceptional cases, a methods assessment may replace attendance during the practical part. If neither the practical part of the preparatory course nor the methods assessment is proven to have been passed, the admissions committee may, in exceptional cases, admit the applicant subject to further conditions. Methods assessment and final examination may each be repeated once. Admission to the master's programme is subject to the successful completion of the preparatory course. If this proof is not submitted, admission to the master's programme becomes invalid. Alternatively, proof of successful completion of the preparatory course can also be provided by fulfilling the conditions tied to admission to the master's programme. For this, a new letter of admission must be issued.

c) Proof of an adequate command of English at level C 1 of the Common European Framework of Reference for Languages (CEFR). This proof may be

- 7.0 points or more in the International English Language Testing System (IELTS); if both IELTS score and Common European Framework (CEFR) level are indicated, the higher language level is considered,
- First Certificate in English (A), Certificate in Advanced English (A-C) or Certificate of Proficiency in English (A-C) in Cambridge exam,
- 490 (listening), 455 (reading), 200 (speaking) and 200 (writing) points or more in the Test of English for International Communication (TOEIC),
- 95 points or more in the Test of English as a Foreign Language internet-based (TOEFL iBT),
- level III or level IV of the UNIcert®,
- level CEFR C 1 or higher as shown on, , the higher education entrance qualification. Any level of language proficiency which is in parts on and in parts lower than level CEFR C1 is not recognised, or
- any examination achievement passed at a higher education institution from the field of English language teaching with C1 explicitly shown as the Common European Framework of Reference for Languages (CEFR) level, if this is indicated in the transcript of records.

§ 3 (1) no. c does not apply to applicants who are native speakers of English. Moreover, the admissions committee may decide on exemptions in justified exceptional cases in agreement with the head of the language centre. The statutes on language skills required for studies at Ulm University apply as amended.

(2) For the selection of applicants under § 3 (1), the following is considered:

a) the overall grade of their bachelor's or equivalent degree or, if this has not yet been determined, the average grade of the examinations taken by the application deadline;

b) Individual grades and volume of studies in the fields mathematics, physics, chemistry,
biology/biochemistry, engineering and materials science

c) letter of motivation

d) proof of vocational training and/or any practical work

e) letters of recommendation

(3) The criteria under § 3 (2) are assessed by the admissions committee according to an evaluation scale previously agreed by it. As a rule, the the guidelines proposed by the Standing Conference of the Ministers of Education and Cultural Affairs (*Kultusministerkonferenz*) are taken into account.

§ 4 Admission procedure

(1) Admissions are determined by the Board based on the admissions committee's proposals.

(2) Applications for admission must be rejected if

a) the requirements defined in §§ 2 and 3 are not fulfilled, or if

b) the applicant has lost the right to examination in the master's programme in Advanced Materials or in any other study programme with essentially the same content at any German university or is in the process of being examined in any such study programme.

(3) In all other respects, the provisions related to admission procedures in general as stated in the admissions and enrolment statutes of Ulm University remain unaffected.

§ 5 Admissions committee

(1) The admissions committee consists of one or more persons each from the Faculties of Engineering, Computer Science and Psychology; Medicine; and Natural Sciences. The members choose a chairperson and their deputy from among themselves.

(2) The members of the admissions committee are appointed by the faculties named in paragraph 1 above. The members' term of office is three years. Reappointment is possible. At the request of the student members of the Faculty Council, a further student may join the committee in an advisory capacity.

(3) The admissions committee determines the equivalence of previous education and the comparability of academic degrees. The recognition of foreign degrees must comply with the recommendations of the Standing Conference of the Ministers of Education and Cultural Affairs and the agreements made as part of university partnerships. In cases of doubt, the Central Office for Foreign Education (*ZAB*) must be heard.

§ 6 Effective date

(1) These statutes come into effect on the day after their publication in the Official Bulletin (*Amtliche Bekanntmachungen*) of Ulm University. They first apply to winter semester 2018/19 admissions.

(2) At the same time, the admissions statutes of Ulm University for the English-taught master's programme in "Advanced Materials" of 9 January 2017, published in the official information bulletin of Ulm University No. 2 of 12 January 2017, p. 24-27, cease to have effect.

Ulm, 28 February 2018

signed

(Prof. Dr.-Ing. Michael
Weber) President of Ulm
University

Annex 1 to § 3 (1b) of the admissions statutes of Ulm University for the master's programme in "Advanced Materials" of 28 February 2018

For admission, the following basic competencies in the natural sciences, materials sciences and/or engineering are required:

The applicant

- is able to apply the mathematical methods of differential, integral and tensor calculus including the Fourier transform to solving physical problems.
- is able to set up and solve differential equations for physical problems.
- is capable of analysing experimental measuring results using different statistical methods.
- is able to work in a modern chemical, materials or (bio)physical laboratory while observing the principles of good laboratory practice (GLP) applicable in Germany.
- is able to record laboratory experiments, present the results in an adequate form and write them up in a report.
- is capable of doing scientific research in libraries, databases and journals to gain knowledge about a topic.
- has acquired the skill to organise scientific content and present it orally within the time allotted for this.
- has learned to defend her/his position in a scientific discussion.
- is familiar with the basic principles of scientific experimentation and able to use modern measurement methods.