

# **Study and Examination Regulations for the Bachelor's Degree "Engineering and Management" at Technische Hochschule Ingolstadt**

of 24.11.2014

On the basis of Article 13 (1) Sentence 2, Article 58 (1) Sentence 1, Article 61 (2) Sentence 1 of the Bavarian University and College Act (BayHSchG), of 23rd May 2006 (Law and Order Gazette p. 245, Bavarian Collection of Laws 2210-1-1-WFK) in its current version, Technische Hochschule Ingolstadt is issuing the following regulations:

## **Note on the use of language**

In the text, the male pronoun will be used for both males and females for the sake of readability and clarity. Both genders are always meant.

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## **§ 1**

### **Purpose of the study and examination regulations**

These study and examination regulations serve to complete and supplement the General Examination Regulations for Universities of Applied Sciences of 17th October 2001 (RaPO, Law and Ordinance Gazette p. 686, Bavarian Collection of Laws 2210-4-1-4-1-WFK), and the General Examination Regulations of Technische Hochschule Ingolstadt of 25th July 2011 in their current version.

## **§ 2**

### **Objective of the course**

- (1) <sup>1</sup>The objective of the bachelor's degree "Engineering and Management" is to teach the expertise, methodological competence and social skills that enable students to independently apply scientific findings and methods and to act responsibly in the workplace and society in the occupational field of industrial engineering. <sup>2</sup>In particular, graduates are to be qualified to take on tasks in international enterprises and/or cross-border tasks.
- (2) <sup>1</sup>The occupational field is determined by the interlinking of technical, economic and social tasks, both in a national and a cross-border or global context. <sup>2</sup>This requires seeing structures and processes as a whole and coordinating the specialised workforce and directing it towards a common objective. <sup>3</sup>Furthermore, increased intercultural and linguistic skills are necessary.
- (3) <sup>1</sup>Alongside the acquisition of targeted specialist knowledge, the course in "Engineering and Management" aims to train the ability to see the whole picture, to think globally, to react flexibly and to manage people <sup>2</sup>The aim is to develop decision-making skills, communication skills, a willingness to cooperate with others and intercultural skills.
- (4) <sup>1</sup>The aim is also to teach the ability to record the rapid change of technological progress, to help to shape technical design and solution options and to evaluate their technical expediency, to assess technology concepts with regard to economic aspects and to use them for the enterprise, applying industrial engineering principles, as well as to identify the impact of decisions on operations, staff and the environment and then to take responsible action. <sup>2</sup>The graduates shall also be able to use the aforementioned skills effectively in an international context.

## **§ 3**

### **Standard period of study, structure of the course, preparatory internship**

- (1) <sup>1</sup>The standard period of study is seven semesters. <sup>2</sup>The course is divided into two parts. <sup>3</sup>The first part of the course includes two theoretical semesters. <sup>4</sup>The second part of the course includes four theoretical and one practical studies semester, which is the fifth semester.
- (2) The practical training or preparatory internship, in accordance with § 9 of the Matriculation Regulations of THI, is compulsory.

## **§ 4**

### **Eligibility for the course**

- (1) The student's eligibility for the bachelor's degree "Engineering and Management" is demonstrated by evidence of the general conditions according to the Ordinance on the Eligibility for Studying at the Universities of the Free State of

Bavaria and the State-Recognised Non-State Universities (Eligibility Ordinance - QualV) of 2nd November 2007 (Law and Order Gazette 2007, p. 767, Bavarian Collection of Laws 2210-1-1-3-UK/-WFK) in its current version.

- (2) Sufficient knowledge of the English language, demonstrated by the computer-based Test of English as a Foreign Language (TOEFL) with at least 197 points or the internet-based Test of English as a Foreign Language (TOEFL) with at least 71 points or an equivalent certificate, is strongly recommended.

## **§ 5 Credit points**

<sup>1</sup>Credit points are awarded for passed examinations and assessments done during the course in each module, and for the successfully completed practical studies semester. <sup>2</sup>In accordance with the European Credit Transfer System (ECTS), an average of 60 credit points is assigned per year of the course. <sup>3</sup>Here, one credit point corresponds to a student work load of 25 clock hours.

## **§ 6 Modules and assessments**

- (1) <sup>1</sup>The modules, their number of teaching units, the type of classes, the examinations, the assessments done during the course and further provisions in this respect are laid down in the appendix to these regulations. <sup>2</sup>The regulations are supplemented by the curriculum for the compulsory optional modules.
- (2) <sup>1</sup>All the modules are either compulsory modules or specialist compulsory optional modules:
1. Compulsory modules are modules of the degree that are mandatory for all students.
  2. <sup>1</sup>Specialist compulsory optional modules are the modules of the degree that are offered individually as alternatives. <sup>2</sup>Every student must choose from amongst these.

## **§ 7 Curriculum**

- (1) <sup>1</sup>To safeguard the range of courses offered and to provide information for the students, the responsible faculty prepares a curriculum, in which details of the progression of the course can be found. <sup>2</sup>It is decided upon by the Faculty Council and is made public for the university. <sup>3</sup>The publication of new regulations must take place at the start of the lecture period of the semester in which the regulations are to be applied for the first time. <sup>4</sup>The curriculum includes, in particular, regulations and information about

1. the allocation of the teaching units per week for each module and semester
  2. the names of the compulsory modules, as well as the number of teaching units, the type of class, the course objectives and content of these modules,
  3. the list of the specialist compulsory optional modules that can be selected, with the names of the modules and the number of teaching units per week in the semester,
  4. the language of instruction and examination in the individual modules, if this is not English,
  5. the type of class in the individual modules, unless this is definitively specified in the appendix.
  6. the course objectives and content of the individual modules,
  7. the training objectives and content of the practical studies semester, as well as its form and organisation,
  8. the form and organisation of the classes accompanying the practical studies semester,
  9. more detailed provisions on assessments done during the course and participation.
- (2) The number of hours per week in the semester may be modified in the curriculum, with the approval of the Faculty Council, such that some of the teaching units are replaced by corresponding units of self-directed learning.
- (3) <sup>1</sup>There is no guarantee that all the planned compulsory optional modules will actually be offered. <sup>2</sup>Equally, there is no guarantee that the associated classes will be held if there is not a sufficient number of participants.

## § 8

### **Conditions for progression, conditions for admittance to the examinations**

- (1) Only students who have earned at least 42 ECTS credit points from the modules in the first part of the course are entitled to enter the second part of the course.
- (2) Only students who have achieved a grade of "sufficient" or higher in all the examinations and essential assessments done during the course in the first part of the course and have earned at least 20 ECTS credit points from the compulsory modules in the second part of the course are entitled to enter the practical studies semester.
- (3) <sup>1</sup>The language of instruction for the course is English. <sup>2</sup>The modules in the first part of the course (1st and 2nd semesters) may alternatively be replaced by German-language lectures with the same contents (as specified in more detail in the curriculum). <sup>3</sup>The specialised compulsory optional modules may be selected in the languages offered in accordance with the curriculum.

**§ 9**  
**Practical studies semester**

- (1) The practical studies semester in the second part of the course lasts 20 weeks and is accompanied by classes.
- (2) <sup>1</sup>The practical studies semester must be completed in a non-German speaking foreign country. <sup>2</sup>Alternatively, the practical studies semester may be completed in German-speaking countries if a connection to international business is guaranteed (e.g. through work in the areas of international product management, global product development, international marketing, international production and logistics).

**§ 10**  
**Passing the bachelor's examination, overall examination grade**

- (1) The bachelor's examination is passed if
  1. a final grade of "sufficient" or higher is achieved in all final grades based on examinations and assessments done during the course, and other assessments are assessed as "passed", and
  2. the practical studies semester has been successfully completed
- (2) The overall examination grade for the bachelor's examination includes the final grades from both the first and the second part of the course and the practical part of the course, according to their weighting in the appendix to these regulations.

**§ 11**  
**Certificate**

- (1) A certificate is issued regarding the passed bachelor's examination, on the basis of the model in the General Examination Regulations for THI.
- (2) Along with the certificate regarding the passed bachelor's examination, a Diploma Supplement is issued.

**§ 12**  
**Academic title**

- (1) Graduates who have successfully completed the bachelor's examination are awarded the academic title "Bachelor of Engineering" (abbrev. "B.Eng.").

- (2) A certificate is issued with regard to the awarding of the academic title, on the basis of the model in Appendix 2 to the General Examination Regulations for THI.

### **§ 13 Entry into force**

<sup>1</sup>These Study and Examination Regulations come into force on 1st October 2015.

<sup>2</sup>They apply to students who start their first semester of this degree from the winter semester 2015/2016.

Drawn up on the basis of the resolution of the Senate of Technische Hochschule Ingolstadt of 24.11.2014 and approved by the President of Technische Hochschule Ingolstadt.

Ingolstadt, 15.04.2015

Prof. Walter Schober  
President

These regulations were set down on 15.04.2015 at Technische Hochschule Ingolstadt. This was announced on 15.04.2015 in a poster. The date of publication is, therefore, 15.04.2015.