

**Study and Examination**  
**Regulations for the Bachelor's degree programme**  
**B.Eng. Sustainable Civil Engineering at Technische**  
**Hochschule Ingolstadt**  
**from Jan., 2023**

**Preamble**

On the basis of Art. 9, 80 para. 1 sentence 1 and 84 para. 2 and 3 of the Bavarian Constitution,  
the  
Hochschulinnovationsgesetz - BayHIG - of 5 August 2022 (GVBl. p. 414, BayRS 2210- 1-3-WK), as amended from time to time, Technische Hochschule Ingolstadt issues the following statutes:

**Preliminary remark on the use of  
language**

For reasons of readability and clarity, all references to persons and functions are in the masculine form and apply equally to all genders.

**Table of contents**

§ 1 Purpose of the Study and Examination Regulations .....	2
§ 2 Study objective.....	2
§ 3 Standard period of study, structure of the programme .....	2
§ 4 Credit points.....	3
§ 5 Modules and credits .....	3
§ 6 Module Manual .....	3
§ 7 Advancement requirements .....	5
§ 8 Practical semester .....	5
§ 9 Passing the Bachelor's examination, overall examination grade .....	5
§ 10 Certificate .....	5
§ 11 Academic Degree .....	6
§ 12 Entry into force .....	6

## **§ 1**

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

These study and examination regulations serve to complete and supplement the Framework Examination Regulations for Universities of Applied Sciences (RaPO) of 17 October 2001 (GVBl p. 686, Bay RS 2210-4-1-4-1-WFK) and the General Examination Regulations of Ingolstadt University of Technology (APO THI) of 25.07.2011 in their respective versions.

## **§ 2**

### **Study objective**

- (1) The aim of the Bachelor's degree programme in Sustainable Civil Engineering is to impart the technical, methodological and social competences that enable students to independently apply scientific knowledge and procedures and to act responsibly in business and society in the professional field of civil engineering.
- (2) <sup>1</sup>The professional field of civil engineering includes design, calculation and construction as well as planning, execution and maintenance of structures, taking into account safety, functionality, economic efficiency and sustainability. <sup>2</sup>In particular, the mutual effect of construction and the environment and climate-technical, resource-technical and energetic requirements are given special importance in the Sustainable Civil Engineering degree programme.
- (3) <sup>1</sup>The Sustainable Civil Engineering programme provides students with sound engineering knowledge for application in the construction and real estate industry. It provides basic knowledge of economic and legal scientific disciplines as well as organisational and project management. <sup>3</sup>It enables students to recognise overarching connections, think globally, react flexibly and lead people, especially from the perspective of sustainability. <sup>4</sup>Decision-making, communication skills and willingness to cooperate are to be developed. <sup>5</sup>Students are thus able to shape their actions in the context of social processes critically, reflectively and with a sense of responsibility.

## **§ 3**

### **Standard period of study, structure of the programme**

- (1) <sup>1</sup>The standard period of study comprises seven semesters. <sup>2</sup>The degree programme is divided into two study sections. <sup>3</sup>The first study section comprises two theoretical study semesters. <sup>4</sup>The second study section comprises four theoretical semesters and one practical semester, which is conducted as the fifth study semester.
- (2) Practical training or previous experience in accordance with § 9 of the Technische Hochschule Ingolstadt Matriculation Statutes is not required.

#### **§ 4**

##### **Credit points**

<sup>1</sup>Credit points are awarded for passing examinations and course-related certificates of achievement per module as well as for the successfully completed practical study semester. <sup>2</sup>Based on the European Credit Transfer System (ECTS), an average of 60 credit points are awarded per academic year. <sup>3</sup>One credit point corresponds to a study load of 25 hours. <sup>4</sup>During practical periods and when writing the Bachelor's thesis, one credit point usually corresponds to a study load of 25 hours. <sup>5</sup>The number of credit points is specified in Annex 1 to these study and examination regulations.

#### **§ 5**

##### **Modules and credits**

- (1) The modules, their number of hours, the type of courses, the examinations, the course-related certificates of achievement as well as further provisions are set out in Annex 1 to these Statutes.
- (2) <sup>1</sup>The forms of teaching and learning specified in Annex 1 can be carried out as blended learning offers. <sup>2</sup>In this case, face-to-face studies are linked in an appropriate manner and to an appropriate extent with electronic Internet-based media (e-learning). <sup>3</sup>Blended learning can be used in the implementation phase (exchange and discussion of learning objects, solution of tasks, intensification of communication between learners and teachers) or in the preparation and follow-up phase (preparation of material; learning success control, transfer support).
- (3) All modules are either compulsory, elective or optional:
  1. Compulsory modules are those modules of the degree programme that are compulsory for all students.
  2. <sup>1</sup>Compulsory elective modules are those modules of the degree programme which are offered as alternatives, either individually or in groups. <sup>2</sup>Each student must make a specific selection from among them in accordance with these regulations. <sup>3</sup>The selected modules are treated as compulsory modules.
  3. <sup>1</sup>Elective modules are modules that are not compulsory for the achievement of the degree objective. <sup>2</sup>They can be additionally selected by the students from the entire range of courses offered by the university.

#### **§ 6**

##### **Module Handbook**

- (1) <sup>1</sup>In order to ensure that the courses are offered and to provide information to the students, the responsible faculty shall prepare a module handbook from which the course of study can be seen in detail.

nents. <sup>2</sup>The module handbook shall be adopted by the Faculty Council and shall be made public at the university. <sup>3</sup>The announcement of new regulations must be made at the latest at the beginning of the lecture period of the semester in which the regulations are to be applied for the first time.

(2) The module handbook contains, in particular, regulations and information on:

1. the time allocation of the semester hours per module and study semester,
2. the catalogue of elective compulsory modules that can be selected with the designation of the modules and their number of semester hours per week,
3. more detailed provisions on the performance and participation certificates accompanying the course of study,
4. the designation of the compulsory and elective modules offered as well as the number of hours, the course type, the study objectives and the study content of these modules,
5. the form and organisation of courses,
6. the type of course in the individual modules, insofar as it has not been conclusively defined in Annex 1,
7. the study objectives (learning outcomes) and contents of the individual modules,
8. the training objectives and content of the practical study periods as well as their form and organisation,
9. more detailed provisions on the type and scope of the module examinations, insofar as these have not been conclusively defined in Annex 1,
10. more detailed provisions for courses offered via new media,
11. the language of instruction and examination in the individual modules, insofar as this is not in English.

(3) In the module handbook, the semester hours of the modules can be modified with the approval of the Faculty Council in such a way that some of the course hours are replaced by corresponding units of self-directed learning.

(4) <sup>1</sup>There is no entitlement to the fact that all scheduled compulsory elective modules are actually offered. <sup>2</sup>Similarly, there is no claim that such courses will be held if there are not enough participants.

## **§ 7**

### **Advancement requirements**

- (1) Only students who have earned at least 42 ECTS credits from the modules of the first semester are entitled to enter the third semester.
- (2) Only those who have achieved at least the grade "sufficient" in all examinations and pass-relevant course-related performance certificates of the first study section and have earned at least 20 ECTS credits from the compulsory modules of the second study section are entitled to enter the internship in the practical study semester.

## **§ 8**

### **Practical semester**

The practical study semester of the second study section comprises a period of 20 weeks and is accompanied by courses.

## **§ 9**

### **Passing the Bachelor's examination, overall examination grade**

- (1) The Bachelor examination is passed if
  1. in all final grades based on examinations and other evidence of achievement as well as in the Bachelor thesis at least the grade "sufficient", in other evidence of achievement the grade "with success" was achieved and
  2. the practical semester has been successfully completed.
- (2) The final grades from the first and second stage of studies shall be included in the overall examination grade of the Bachelor's examination according to their weighting in Annex 1 to these Statutes.

## **§ 10**

### **Testimonial**

- (1) A certificate is issued for the successful completion of the Bachelor's examination in accordance with the model contained in the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI).
- (2) A Diploma Supplement in accordance with the model contained in the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI) is issued together with the certificate of the passed Bachelor's examination.

**§ 11**  
**Academic degree**

- (1) For the successful completion of the Bachelor's examination, the academic degree "Bachelor of Engineering", short form: "B. Eng. is awarded.
- (2) A certificate is issued on the award of the academic degree in accordance with the model contained in the appendix to the APO THI.

**§ 12**  
**Entry into force**

<sup>1</sup>These study and examination regulations come into force on 1 October 2023. <sup>2</sup>They apply to all students who begin their studies in this degree programme from the winter semester 2023/2024.

Issued on the basis of the resolution of the Senate of Ingolstadt University of Technology of 23.01.2023, the resolution of the University Council of Ingolstadt University of Technology of 02.03.2023 and approved by the President.

Ingolstadt, 23.03.2023

Prof. Dr. Walter Schober  
President

These Statutes were deposited at Technische Hochschule Ingolstadt on 28.03.2023. The laying down was publicly announced digitally on 28.03.2023 by posting on the homepage of Technische Hochschule Ingolstadt. The date of the announcement is therefore 28.03.2023.