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**Study and Examination Regulations
for the Master's programme of the Faculty of Industrial Engineering
and Management
M.Eng. Automotive Production Engineering
at Technische Hochschule Ingolstadt
from 18.07.2016**

In the version including the amendment statutes of 02.10.2023

Preamble

On the basis of Art. 9, Sentence 2 in conjunction with Art. 80, Para. 1, Sentence 1, Art. 84, Para. 2, Sentence 1, Art. 90, Para. 1, Sentence 2 and Art. 96, Para. 3, Sentence 1 of the Bavarian Higher Education Innovation Act (BayHIG) of 5 August 2022 (GVBl. p. 414, BayRS 2210-1-3-WK), as amended, Technische Hochschule Ingolstadt issues the following Statutes:

Preliminary remark on the use of language

Gender-specific terms are used for the sake of clarity and reader-friendliness; all regulations apply equally to all genders.

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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 of Technische Hochschule Ingolstadt (APO THI) dated 17.07.2023 in the currently valid version.

§ 2

Study objective

- (1) ¹Aim of the Master's programme Automotive Production Engineering is to impart engineering knowledge as well as interdisciplinary knowledge from the fields of technology and business. ²Based on scientific knowledge and methods, graduates are prepared for management and expert tasks in internationally operating companies and organisations. ³In addition to technical and methodological knowledge, the degree programme also provides impetus for the development of social skills. ⁴Students are thus able to shape their actions in the context of social processes critically, reflectively and with a sense of responsibility. ⁵ It also promotes independent scientific work with a focus on applied research.
- (2) ¹The content of the Master's degree programme in Automotive Production Engineering is essentially based on the basic Bachelor's degree programmes in Industrial Engineering, Mechanical Engineering, Automotive Engineering and Mechatronics at Ingolstadt University of Applied Sciences and aims to provide students with an in-depth and detailed understanding of production systems in the automotive environment and their development processes in connection with product development. ²On this basis, graduates can develop and apply independent ideas in practice with regard to strategy, design, planning, development, control and management of production systems. ³Graduates are at the current level of knowledge with regard to manufacturing technologies, engineering processes and technologies as well as production strategies and processes and are able to expand this independently in the complex subject area. ⁴This is achieved through the teaching of practical, proven methods as well as the broadening of theoretical foundations and scientific working methods and opens up the possibility of subsequent doctoral studies or work in research for the students. ⁵In addition, they can competently communicate their knowledge to lay people and exchange ideas with scientists in the production field at a scientific level.
- (3) ¹The knowledge acquired in the Master's degree programme Automotive Production Engineering enables graduates to take on qualified specialist and management tasks in the areas of production planning, plant engineering and production in the automotive environment (car manufacturers, suppliers, factory equipment/plant/operating equipment manufacturers) and enables them to work on or manage complex projects. ²Graduates have the intercultural and communicative competences required to work in an international context.
- (4) The degree programme is conducted in English.

§ 3 Qualification for the study

- (1) Qualification requirements for admission to the Master's programme are:
- a. Proof of successful completion of a degree in industrial engineering, mechanical engineering, automotive engineering or mechatronics at a German university with at least 210 ECTS credit points or equivalent scope of study or an equivalent successful domestic or foreign degree,
 - b. successful participation in an aptitude test for the Master's degree programme Automotive Production Engineering according to § 4
- and
- c. proof of sufficient knowledge of the English language (language level B2 of the Common European Framework of Reference).
- (2) ¹In the case of degrees that do not have credit points, the documented time hours (workload) are converted into credit points, whereby one credit point corresponds to an hourly load of 25 time hours. ²If no time hours are verified, 30 ECTS are recognised per theoretical study semester. ³Practical semesters are recognised with a further 30 ECTS insofar as they correspond to the practical study semester in type and scope at Ingolstadt University of Applied Sciences.
- (3) ¹The evidence according to Para. 1 must be provided on the day of enrolment at the latest. ²If the proof according to Para. 1 lit. a) is not provided by the end of the application period, a corresponding confirmation from the university must be provided by then, which credibly confirms the fulfilment of the requirement according to Para. 1 lit. a) by the end of the enrolment period; the obligation according to Sentence 1 remains.
- (4) ¹Applicants who provide evidence of a completed university degree or an equivalent degree for which less than 210 but at least 180 ECTS credits have been awarded may be admitted with the approval of the examination board if the missing competences are proven with the application for admission. ²The missing competences according to sentence 1 are the proof of the compensation of the competence gap to the extent of further up to 30 ECTS credit points to the qualification requirement to be proven in par. 1 lit. a) at at least Bachelor's level. ³The missing competences must be proven by the end of the application period at the latest and can be proven as follows:
- a) by providing evidence of practical work experience outside the degree programme, which corresponds in content and scope to the practical semester of a Bachelor's degree programme in industrial engineering, mechanical engineering, automotive engineering, mechatronics or an equivalent other Bachelor's degree programme, e.g. at Ingolstadt University of Applied Sciences, provided that the submitted degree shows deficits in the area of the practical competences to be demonstrated compared to the qualification requirement according to Para. 1 lit. a), or
 - b) by providing evidence of practical or theoretical studies and examinations in addition to the first degree at a domestic or foreign higher education institution, which correspond in content and scope to the requirements of a Bachelor's degree

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programme in industrial engineering, mechanical engineering, automotive engineering, mechatronics or an equivalent other Bachelor's degree programme, e.g. at the Ingolstadt University of Applied Sciences, provided that the submitted degree has deficits in the area of the theoretical or practical competences to be demonstrated compared to the qualification requirement according to Para. 1 lit. a).

⁴The examination board decides on the equivalence or the existence of significant differences, taking into account the principles of Art. 86 Para. 1 and 2 BayHIG. ⁵Para. 2 applies accordingly.

- (5) The prerequisites mentioned in paragraph 1 lit. a) to lit. c) must be met cumulatively.
- (6) If an applicant is not admitted, he/she will be informed of this in writing with a statement of reasons.

§ 4 Suitability procedure

- (1) The prerequisite for participation in the aptitude test is an application in due form and time and proof of the qualification requirements according to § 3.
- (2) ¹A commission consisting of two full-time professors shall be formed to carry out the suitability procedure. ²The commission shall be appointed by the Faculty Council.
- (3) ¹The criterion for passing the aptitude test is a grade made up of:
 - a) 60 % Grade of the first degree
 - b) 40 % Assessment of the specific aptitude and experience in the competence field of automotive production, measured by the following criteria:

aa) scientific papers/project work in the first degree as an engineer (max. 20 points; up to 5 points per project),

bb) practical experience as an engineer (max. 20 points; 0.5 points per month).

²The assessment of specific suitability and experience in the Automotive Production field of competence is based on the following:

- 40 - 31 points: Grade 1.0
- 30 - 21 points: Grade 2.0
- 20 - 11 points: Grade 3.0
- 10 - 1 points: Score 4.0
- 0 points: Score 5.0

³Suitability is deemed to have been established if the suitability procedure is assessed with at least the overall grade "good" (2.5). ⁴The grade levels of § 24 Para. 5 APO THL apply accordingly for the evaluation.

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- (4) ¹The applicant shall be informed of the result of the aptitude test in writing no later than two weeks before the start of the degree programme. ²Rejection decisions shall be justified and accompanied by instructions on how to appeal.
- (5) If the applicant achieves the result "not passed" in the aptitude test, the application is possible at a further date, at the earliest the next year.

§ 5

Type and duration of the study programme

- (1) The degree programme is run as a consecutive degree programme (full-time study).
- (2) ¹The programme comprises a standard period of study of three theoretical semesters with a workload of 90 ECTS. ²The Master's thesis is also to be written in this standard period of study.
- (3) ¹The higher education institution may also offer its courses supported by virtual forms of teaching. ²Further details are regulated in the module handbook.
- (4) ¹The degree programme is also offered in cooperation with international companies as a study programme with in-depth practical experience (dual study) for students who complete practical phases in the company parallel to their studies at Ingolstadt University of Applied Sciences. ²The content and organisation of these phases is the responsibility of the companies. ³A practical semester is recommended before writing the Master's thesis. ⁴The course of study with in-depth practice (dual study) is to be presented separately in the module handbook.

§ 6

Credit points

¹Credit points according to the European Credit Transfer System (ECTS) are awarded for passed examinations and course-related certificates of achievement per module. ²As a rule, a maximum of 60 credit points are awarded per academic year. ³One credit point corresponds to a study load of 25 time hours, which are made up of attendance events and distance learning phases. ⁴The number of credit points is specified in Annex 1 to these study and examination regulations.

§ 7

Modules and credits

- (1) The modules, their number of hours, the type of courses, the examinations, the course-related certificates of achievement, the credit points (ECTS points) as well as further provisions are specified in Annex 1 to these Statutes.
- (2) Courses and examinations are conducted in English.
- (3) All modules are either compulsory or elective:

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1. Compulsory modules are those modules of the degree programme that are compulsory for all students to complete.
 2. ¹Compulsory elective modules are those modules of the degree programme which are offered as alternatives, either individually or in groups. ²Each student must make a specific selection from among them in accordance with these regulations. ³The chosen modules are treated as compulsory modules.
- (4) Selected modules, including examinations and/or performance records, may be held in German as specified in more detail in the module handbook.
- (5) ¹There is no entitlement to the Master's degree programme being carried out if there are not enough qualified students. ²Likewise, there is no claim that all modules will be offered in every semester.

§ 8

Module Handbook

- (1) ¹In order to ensure the courses offered and to inform the students, the responsible faculty shall draw up a module handbook detailing the course of study. ²The module handbook shall be adopted by the competent faculty council and shall be made public at the university. ³ 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 distribution of the semester hours per module and study semester,
 2. the catalogue of elective modules that can be selected with the name of the modules and their number of semester hours per week,
 3. more detailed provisions on the course-related performance and participation certificates,
 4. the form and organisation of courses,
 5. the type of course in the individual modules, insofar as it has not been conclusively defined in Annex 1,
 6. the study objectives (learning outcomes) and contents of the individual modules,
 7. more detailed provisions on the type and scope of the module examinations, insofar as these have not been conclusively defined in Annex 1,
 8. more detailed provisions for courses offered via new media,
 9. more detailed provisions on the final colloquium,
 10. the language of instruction and examination in the individual modules, insofar as this is in a foreign language.

§ 9

Master thesis

- (1) In the Master's thesis, students should demonstrate their ability to apply the knowledge acquired during their studies to complex practical tasks in an independent scientific work.
- (2) ¹The topic of the Master's thesis is issued at the beginning of the second study semester at the earliest.² The issue of the topic of the Master's thesis requires that at least study and examination achievements to the extent of 30 ECTS have been successfully completed.
- (3) The processing time for the Master's thesis is six months.
- (4) In all other respects, the regulations on the issue of the thesis in the APO THI apply.

§ 10

Assessment of performances, overall examination grade

- (1) The Master's examination is deemed to have been passed if all prescribed modules and the Master's thesis have been passed with at least the grade "sufficient".
- (2) The formation of the overall examination grade results from the weighting of the individual grades according to Appendix 1.

§ 11

Master's examination certificate

- (1) ¹A certificate is issued for the passed Master's examination in accordance with the model contained in the APO THI in the respective version. The model certificate is specified in accordance with these study and examination regulations.
- (2) Together with the certificate of the passed Master's examination, a Diploma Supplement is issued according to the model contained in the APO THI.

§ 12

Academic degree

- (1) For the successful completion of the Master's examination, the academic degree "Master of Engineering", abbreviated to "M.Eng.", is awarded by Technische Hochschule Ingolstadt.
- (2) A certificate shall be issued on the award of the academic degree in accordance with the model contained in the Annex to the APO THI.

§ 13

Entry into force, transitional provisions

¹These study and examination regulations come into force 01.03.2017 in force. ²They apply to all students who begin their studies in this degree programme from the Summer semester 2017 in the first semester. ³Students in the Automotive Production Engineering degree programme to whom these regulations do not apply complete their studies in accordance with the study and examination regulations for the Master's degree programme in Automotive Production Engineering at Ingolstadt University of Applied Sciences dated 16.12.2013, as amended. ⁴Otherwise, the latter study and examination regulations shall cease to apply when the last student subject to these study and examination regulations has left Technische Hochschule Ingolstadt.

Issued on the basis of the resolution of the Senate of Technische Hochschule Ingolstadt dated 18.07.2016, the resolution of the University Council of 15.11.2016 and the approval of the Bavarian State Ministry for Education & Culture, Science and the Arts, StmBW dated 27.12.2016 Ref.: VIII.5-H3444.IN.35/3/13 and approved by the President.

Ingolstadt, 13.01.2017

Prof. Dr Walter Schober

President

The Articles of Association were adopted on 16.01.2017 at the Technische Hochschule Ingolstadt. The deposit was made on 16.01.2017 by notice on the notice board. The date of the announcement is therefore 16.01.2017.