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**Order to change the examination regulations for the Master's program in Manufacturing
Technology (MMT)
of the Faculty of Mechanical Engineering at TU Dortmund
6th November 2017**

On the basis of article 2 paragraph 4 connected with § 64 paragraph 1 of the law for the universities of North Rhine-Westphalia (Hochschulgesetz - HG) of 16th of September 2014 (GV NRW p. 547), recently changed by law of 7 April 2017 (GV NRW p. 414), the Technical University of Dortmund has issued the following orders:

Section I

The examination regulations for the Master's program in Manufacturing Technology (MMT) at the Technical Dortmund University of 26 January 2016 (AM No. 4/2016, p. 73 ff.) is amended as follows:

1. § 2 receives the following edition:

- (1) The connection of scientific, theoretical coursework and practical study elements turns the graduates into specialists in demand in the production technology sector.
- (2) In the first two semesters, students gain a deep, theoretical knowledge in the field of manufacturing technology. Furthermore, students choose elective modules according to their individual interests. The second year of study is dedicated to acquiring practical skills by completing the laboratory and scientific (industrial) project work modules. In this way, the understanding as well as the competence of applying the theoretical knowledge in practice is consolidated. In the same way, students shall learn to be able to compare the manufacturing processes currently applied in industry with state-of-the-art developments in specific fields. Furthermore, students become familiar with organizing and implementing projects with several members. Due to the internationality of the master program, students acquire intercultural competence. The module Interdisciplinary Qualification allows students to familiarize with the methodology of other disciplines like the humanities, the social or economic sciences. Competencies acquired in rhetoric and language courses can be applied in everyday working life and contribute to the students' personal development. With the final master thesis, students prove their ability to work on a complex problem

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independently. Graduates are able to analyze and optimize existing manufacturing processes, evaluate existing production systems, and design new techniques.

- (3) The consecutive master's program builds upon a bachelor's degree. Passing the master's program brings a further professional qualification which qualifies the graduate for further scientific work and generally entitles them to do their PhD.

2. § 5 paragraph 2 receives the following edition:

- (2) A number of credit points is assigned to every module according to its workload. In terms of these examination regulations, a credit point corresponds to a ECTS point and is awarded for a workload of approximately 30 hours. Normally, 30 credit points need to be acquired per semester.

3. § 20 paragraph 1 receives the following edition:

- (1) If the candidate has passed the Master's examination, a certificate will normally be issued within 4 weeks following his or her notification of passing the Master's examination to the Central Examination Office. The diploma dates from the day the last examination was taken. The diploma includes the overall grade of the master's examination as well as the ECTS grade according to article 16 paragraph 8, the topic and the grade of the master's thesis, the modules and the module grades as well as the number of credit points earned in each module.

4. § 24 paragraph 2 receives following edition:

- (2) Articles 7, 8 paragraph 3, paragraph 5, paragraph 9 clause 7 and paragraph 10, 9 paragraph 1 and paragraph 6, 13 paragraph 2, 16 paragraphs 3 to 5, paragraph 6 clauses 3 and 7 as well as paragraph 10, 20 paragraph 1 und paragraph 2 and 21 paragraph 1 shall apply for all students who are enrolled in the master's course of Manufacturing Technology at Technischen Universität Dortmund.

Section II

These examination regulations are published in the official gazette of Technischen Universität Dortmund and shall come into force on 1st October 2015.

Issued on the basis of the resolutions adopted by the faculty board of the faculty of engineering from 11.10.2017 and the rector's board of Technischen Universität Dortmund from 11.09.2017.

Legally binding is the German version (Amtliche Mitteilung Nr. 15/17)

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Dortmund, 6th November 2017

The Rector

of Technischen Universität Dortmund

Professor

Dr. Dr. h.c. Ursula Gather