Annex 1 to the academic study and examination regulations for the postgraduate master programme "Global Engineering & Management" (M.Sc.) at Technische Hochschule Ingolstadt in the version dated 23 January 2023

No.	Modules	WEEKLY SEMESTER HOURS	Type of lectures	Examinations Kind	Examinations Duration in minutes	Scope written elaboration	Scope Presentation	Weighting for the overall examination grade (in %)	Credit points (ECTS points)
1	Selected Technical and Economic Competencies	4	SU/Ü	StA		10-20 pages	15-20 pages	4	5
2	Methodological Competencies	4	SU/Ü	mdlP	15-20			4	5
3	Self- and Social Competencies (work related)	4	SU/Ü	mdlP	15-20			4	5
4	Software Engineering	4	SU/Ü	SA		10-20 pages	15-20 pages	7	5
5	Digital Factory & Digital Engineering	4	SU/Ü	StA		10-20 pages	15-20 pages	7	5
6	International Management	4	SU/Ü	mdlP	15-20			7	5
7	Data Science & Artificial Intelligence	4	SU/Ü	schrP	90-120			7	5
8	Modern Manufacturing Technologies	4	SU/Ü	SA with coll	15	10-20 pages	15-20 pages	7	5
9	Management Accounting	4	SU/Ü	schrP	90-120			7	5
10	Cost Engineering & International Supply Chain Management	4	SU/Ü	mdlP	15-20			7	5
11	Innovation Management & Entrepreneurship	4	SU/Ü	Proj	15		15-20 pages	7	5
12	Scientific Project	4	SU/Ü	Proj	15		15-20 pages	7	5
13	Master Thesis			MA		60-80 pages		25	30
	Total	48						100	90

Type of lectures

S	Seminar
SU	Lectures
Ü	Exercise
SU/Ü	Lectures with exercises

Type of examination

schrP   written examination   The written examination is a written exam lasting 90-120 minutes.

mdlP   Oral examination   The oral examination is an interview lasting 15-20 minutes per student. The oral examination can be conducted as an individual or group examination.

StA   Student research project   The student research project is a term paper without an oral presentation. A term paper can be written using a word processing programme or as a presentation. A term paper comprises a minimum of 3000 to a maximum of 6000 words (word processing programme approx. 10 to 20 pages or presentation: approx. 15 to 20 pages).

SA   Seminar paper   The seminar paper is a term paper with an oral presentation. The oral presentation lasts a total of 15 minutes per student and can also take place during the semester.
A term paper can be written using a word processing programme or as a presentation. It comprises a minimum of 3000 to a maximum of 6000 words (word processing programme: approx. 10 to 20 pages or presentation: approx. 15 to 20 pages).

Proj   Project work   The project work is joint group work in which several students work on a joint task as a team and present the results orally and in writing. Each student must contribute individually to the joint assignment and deliver an oral presentation lasting 15 minutes. The written part has a total length of approx. 10-20 pages.

MA   Master's Thesis   Written thesis in the Master's Thesis programme: Maximum processing time (= period between registration of the Master's Thesis and submission) of 9 months / length 60 to 80 pages (excluding cover sheets, indexes and appendices) created with a word processing programme.
IAW recommendations for the preparation of theses can be found under the following link: Empfehlungen_Form_Abschlussarbeit.pdf

Coll   Colloquium   The colloquium is an oral examination lasting 10-15 minutes in which the student defends the results of his or her thesis.