

Annex 1 to the academic study and examination regulations for the master programme Artificial Intelligence at Technische Hochschule Ingolstadt dated 07.02.2022 as amended on 06.11.2023

1 No.	2 Modules	3 WEEKLY SEMESTER HOURS	4 Type of course	5 Examinations		6 Pass-relevant final grade- forming degree-related performance assessments	7 Weighting for the overall examination grade (in %)	8 ECTS credit points (ECTS)
				Kind	Duration in minutes			
1	Advanced Computer Vision	4	SU/Ü	schrP	90		6	5
2	Deep Learning Applications	4	SU/Ü			prA	6	5
3	Advanced Speech Technology	4	SU/Ü	schrP	90		6	5
4	Advanced Big Data Concepts and Technologies	4	SU/Ü	schrP	90		6	5
5	Intelligent Robotics	4	SU/Ü			prA	6	5
6	Social Implications of Artificial Intelligence	4	SU/Ü	mdlP	30		6	5
7	AI in safety-related systems	4	SU/Ü	schrP	90		6	5
8	Elective 1	4	SU/Ü			LN ¹⁾	6	5
9	Elective 2	4	SU/Ü			LN ¹⁾	6	5
10	Interdisciplinary Elective	4	SU/Ü			LN ^{1,2)}	6	5
11	Seminar ³⁾	2	S			SA	5	3
12	Project ⁴⁾	4	P			PA	10	7
13	Master Thesis			MA			25	30
		Total	46				100	90

Footnotes

¹⁾ The evidence of academic achievement (LN) is a written examination (schrP), an oral examination (mdlP), a practical assignment (prA) or a seminar paper (SA). The details are determined by the Faculty Council in the curriculum.

²⁾ This module serves as an interdisciplinary qualification. The modules available for selection are shown in the respective curriculum for the current semester.

³⁾ The topic of the seminar is shown on the certificate.

⁴⁾ The topic of the project is shown in the certificate.

Type of lectures

P Project
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 minutes, unless explicitly stated otherwise.

mdlP Oral examination The oral examination is an interview lasting 20-30 minutes per person, unless explicitly stated otherwise.

prA	Practical work	The practical work is a specific task that may consist of several subtasks. The tasks are to be completed either in a group or individually. In the case of group work, each student must contribute individually. The workload for the individual contribution corresponds to 125 hours. Depending on the type of assignment, the work result must be provided in a suitable form, e.g. source code or documentation. The work result must be explained by the group or the student in an acceptance interview (scope of the acceptance interview: 15 to 30 minutes for individual tasks, 30 to 60 minutes for group work, whereby each group member must contribute to the acceptance interview with regard to the parts of the result for which they are responsible). Further details can be found in the curriculum.
SA	Seminar paper	The seminar paper is a term paper with an oral presentation. The term paper is approx. 8 to 15 pages long (excluding cover sheets, lists and appendices), written using a word processing programme. The oral presentation lasts 45 to 75 minutes and can also take place during the semester.
PA	Project work	Project work is group work in which several students work on a joint task as a team over the course of a semester. Each student must contribute individually to the joint assignment. The workload for the individual contribution of each student corresponds to 175 hours. Depending on the type of task, the project result must be made available in a suitable manner, e.g. through source code or documentation, and the result (or interim results achieved at project milestones) must be presented orally, e.g. in regular project meetings or in a specialised technical presentation of approx. 15 to 30 minutes. Further details can be found in the curriculum.
MA	Master's Thesis	Written thesis in the master programme. The scope is approx. 60 to 100 pages (excluding cover sheets, indexes and appendices), created with a word processing programme.