Technische Hochschule Nürnberg

Degree programme overview



Human Computer Interaction and User Experience (M.Sc.) - M-HU

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(pursuant to the resolution of the Faculty Council of 4 November 2026)

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1 General information

1.1 Regulatory basis

This document is based on the following regulations:

- University examination regulations (*Allgemeine Studien- und Prüfungsordnung der Technische Hochschule Nürnberg Georg Simon Ohm*)
- Study and examination regulations of the *Human Computer Interaction and User Experience* master's degree programme at the Technische Hochschule Nürnberg Georg Simon Ohm (SPO M-HCI&UX)
- Module Catalogue – *Human Computer Interaction and User Experience* (M.Sc.)

1.2 Overview of changes to this document

Edition	Replaced page(s)	Valid as of date	Relevant regulation	Composition (pages and versions)																	
				1	2	3	4	5	6												
1	new	15 March 2027	FRS 4 November 2027	1	1	1	1	1	1												

1.3 Glossary of abbreviations and acronyms

FWPM	Technical elective module	fachwissenschaftliches Wahlpflichtmodul
FRS	Faculty Council Meeting	Fakultätsratssitzung
Kl	written examination	Klausur
LN	assessment	Leistungsnachweis
ECTS	ECTS credits	Leistungspunkte
Kol	colloquium	Kolloquium
LV	course	Lehrveranstaltung
MA	master's thesis	Masterarbeit
mündP	oral examination	mündliche Prüfung
PA	project work	Projektarbeit
Pr	practical course/laboratory	Praktikum

praktS	Practical Coursework	Praktische Studienleistung
Pro	project	Projekt
Ref	presentation	Referat
S	seminar	Seminar
SPO	study and examination regulations	Studien- und Prüfungsordnung
schrP	written examination	schriftliche Prüfung
StA	Project Paper	Studienarbeit
SU	seminar-style course	seminaristischer Unterricht
SWS	lecture hours per week	Semesterwochenstunden
Ü	exercises	Übung
WPM	required elective module	Wahlpflichtmodul

2 Programme structure / plan

2.1 First part of the programme

		Module name	Type of course	SWS	ECTS	Assessments		Comments
						Type	Duration (minutes)	
Semester 1	1	Intro Project	Pro	2	5	StA / mündP	- / 15	
	2	Computing Foundations for Interactive Systems	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	3	Module catalogue Learn Team Coaching		8	20	StA / schrP / mündP	- / 90 / 15	2)
			Subtotal	14	30			

2.2 Second part of the programme

Semester 2	4	UX Module I	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	5	HCI Module I	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	6	Design Module I	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	7	Project I	Pro	2	10	StA / mündP	- / 15	
	8	Technical Elective Modules I	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	1)
			Subtotal	18	30			
Semester 3	9	UX Module II	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	10	HCI Module II	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	11	Design Module II	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	
	12	Project II	Pro	2	10	StA / mündP	- / 15	
	13	Technical Elective Modules II	SU, Pr	4	5	StA / schrP / mündP	- / 90 / 15	1)
			Subtotal	18	30			
Sem. 4	14	Master's Thesis	MA		28	MA		
	15	Thesis Seminar	S	2	2	Kol	30	
			Subtotal	2	30			
			Total	**52**	**120**			

Footnotes

1) The catalogue of Technical Elective modules (**FWPM**) is approved by the Faculty Council of the Faculties of **Design**, **Electrical Engineering, Precision Engineering and Information Technology**, and **Computer Science** and published for each subsequent semester.

2) Further details are specified in the **module handbook**.

3 FWPM – Required elective modules

The programme includes two types of elective modules.

The available courses and course combinations are specified in the Module Catalogue and its annexes.

3.1 Subject-specific elective modules

The subject-specific elective modules cover three main subject areas, to be completed as follows:

Area	Semester 2	Semester 3
■ User Experience (UX)	5 ECTS	5 ECTS
■ Human-Computer Interaction (HCI)	5 ECTS	5 ECTS
■ Design	5 ECTS	5 ECTS

The required 5 ECTS credits may be earned either through a single 5 ECTS course or through a combination of courses with a total of at least 5 ECTS credits.

Modules and courses will only be conducted in accordance with faculty resources and student demand. There is no guarantee that all options will always be offered. If a course is not offered, students must select an alternative option from the respective area.

3.2 Technical elective modules

The technical elective modules enable students to deepen their knowledge in related technical fields.

In semesters 2 and 3, students are required to complete one technical elective module worth 5 ECTS, selected from the official list of technical elective modules, resulting in a total of 10 ECTS.