Study and Examination Regulations
for the bachelor's degree programme
Media Technology, B.Eng.
at Deggendorf Institute of Technology

of 20 December 2023

Based on to Art. 9, 80 (1), 84 (2) Clause 1 of the Bavarian Higher Education Act (BayHIG) of 5 August 2022 (GVBl. p. 414, Bay RS 2210-1-3-WK), last amended by Section 3 of the Act adopted on 23 December 2022 (GVBl. p. 709), Deggendorf Institute of Technology hereby enacts the following by-laws:

Section 1
Aim of the study programme

(1) The Media Technology degree programme aims to teach all techniques, contents and design possibilities of modern media by practice-oriented tuition based on scientific and art theory findings and methods in order to enable students to make and create media products in accordance with engineering practice, develop new or refine existing media production technologies and methods and learn about media-aesthetic design concepts and processes. Their ability to act independently and responsibly on behalf of companies and society will be enhanced and expanded. Instruction is based on methods and findings drawn from modern media science, engineering disciplines, design theory and related scientific and artistic disciplines.

(2) Based on technical and media culture knowledge, the degree programme imparts media competence, which is becoming increasingly necessary as a gateway to helping shape the globalising and integrative developments in the information society. To this end, knowledge from engineering science, computer science and digital media techniques will be combined with design and journalism as well as aspects of business management to enable students to pursue a career as an engineer in which they can act on their own responsibility.

(3) Through extensive training in the basic subjects, students will be in a position to discern the main correlations between the respective knowledge domains and be able to apply engineering science know-how and methods. Moreover, they will acquire the level of flexibility required to keep pace with the ever-swifter advancement in technical development. Their training in the pertinent subjects will also enable students to recognise the impact engineering activities have on the environment and society and to avoid any negative trends wherever possible. By acquiring this valuable knowledge,

students will thus be able to lead projects, production activities, research and development work conducted in media technology in a responsible manner and to guide these to a successful conclusion.

The degree programme aims to qualify students for engineering activities in the following fields of work:

- Development and design
- Production and recording
- Quality assurance
- Project planning and project management
- Sales and marketing
- Service and consulting
- Editing and business management
- Monitoring and appraisal
- Research/development in the automotive, entertainment or equipment sectors
- Independent order processing
- Professional planning for media technology

(4) The programme is designed to deliver a broad-ranging, qualified and cross-disciplinary vocational education course that enables successful graduates to work in a variety of professions. Career opportunities span every field where media are employed and produced. This may be in media companies, but also in other commercial enterprises, the public sector or independent practice.

Section 2
Structure of the programme, standard period of study

(1) The standart period of sty is seven semesters, six of which are theory-based and one is practical. The internship semester is the sixth semester of the degree programme.

(2) A total of 210 ECTS credits must be attained.

(3) As of the fourth semester, the degree programme is split to offer the following specialisations:

- Media Production (MP)
- Media Engineering (ME)

Students are required to choose their specialisation after the 3rd semester. Students not making a choice will be assigned to a field of specialisation.

(4) The compulsory elective subject of a general academic nature (AWP) and the subject-specific elective (FWP) may be taken in any semester. The subject-specific (FWP) course carries 4 semester hours per week (SWS) or at least 5 ECTS credits, but it can also consist of two courses, each worth 2 SWS or complementing each other to account for at least 5 ECTS credits.

Section 3
Modules and courses

(1) The degree programme consists of modules, which can be made up of thematically related courses. Each module is assigned ECTS points which reflect the time of study required of the students.

(2) The compulsory and elective modules, the lectures, their number of hours, the type of courses, the examinations and the ECTS credits are specified in the Appendix to these by-laws. The regulations of subject-specific compulsory elective modules and compulsory elective subjects of a general academic nature are supplemented by the curriculum.

(3) All modules consist of compulsory modules, compulsory elective modules or optional modules:
1. Compulsory modules are those modules held during the degree programme which are binding for all students.
2. Compulsory elective modules are alternative modules offered individually or in groups. Students are required to select a certain number of modules based on these study and examination regulations. The selected modules will be treated as compulsory modules.
3. Elective modules are modules that are not necessarily required in order to achieve the study goals. They may be additionally selected from the courses offered by the Institute.

(4) There is no guarantee that the scheduled specialisations, compulsory elective modules and optional modules will actually be offered. Similarly, The Language and Electives Centre is not under any obligation to actually administer the relevant courses if the number of attendees is insufficient.

Section 4
Curriculum

The responsible faculty, currently the Faculty of Electrical Engineering and Media Technology, will prepare a curriculum that ensures the relevant courses are offered and provides detailed information on the course of the programme to students.
The curriculum is approved by the Faculty Council and announced to the public before the start of the semester. The announcement of changes and/or new regulations must be made no later than at the beginning of the lecture period of the semester in which these changes are to be applied for the first time. In particular, the curriculum will contain regulations and information regarding:

1. the time allocated for the weekly hours per semester, the time allocated per module and semester, including the attainable ECTS credits;
2. the names of the compulsory and compulsory elective modules as well as their respective number of weekly hours per semester;
3. the subject-related compulsory elective modules, including the number of hours involved;
4. the form of instruction used in each individual module, provided that this has not been conclusively specified in Appendix 1;
5. the examination format and exam duration;
6. the lectures accompanying the internship during the practical semester as well as their form of instruction and organisation
7. detailed provisions for proofs of performance and attendance.

Section 5
Basic modules

Study and examination achievements up to a scope of 60 ECTS credits, which were acquired in a similarly named or related bachelor's degree programme at a state or state-recognised university of applied sciences in Bavaria in basic modules of the degree programme, shall be credited upon application without further examination to the basic modules in a bachelor's degree programme at the admitting university. The basic modules of this degree programme are marked with an * in the curriculum (Appendix 1).

Section 6
Minimum ECTS score requirement (GOP)

By the end of the second semester, the examinations in the modules "Mathematics for Media Technology 1", "Technical Basics of Media Technology" and "Media Mechanics" must have been attempted for the first time.
Past this deadline, the missing examination performance in any above-mentioned basics and orientation examination not yet taken will be rated "failed".

Section 7
Academic counselling

Students who have not yet attained 40 ECTS credits after two semesters are obliged to consult their academic advisor.

Section 8
Admission to the internship semester and the study specialisation

(1) Students require at least 70 ECTS credit points before they can commence their chosen specialisation.

(2) Entry into the internship semester requires that at least 120 ECTS credit points have been achieved.

Section 9
Internship semester

(1) The internship semester comprises a minimum of 24 weeks, of which four are devoted to practical classes (PLVs).

(2) If the training objective is not affected, then - by way of exception - students need not make up for interruptions in practical work if they are not responsible for these interruptions (e.g. shutdown, illness) and if the total number of days lost due to the interruption is not more than five working days. In the case of a reserve duty training exercise, the make-up period shall be waived if it does not last more than ten working days. Students must prove that they are not responsible for the interruption.

If the interruptions extend beyond five and ten working days respectively, students must make up for the total number of lost days. Work completed as overtime can offset interruptions.

Section 10
Assessment of examination performance; overall examination grade

(1) ECTS points are awarded for each successfully passed examination. The number of attainable points per exam is shown in the appendix.

(2) A student's overall examination grade is calculated using a weighted arithmetic average of their individual grades. The weighting of an individual grade is equal to the number of ECTS credits assigned to the course for which the grade was awarded.

(3) In addition to the overall grade assigned as per para. 2, a relative grade is awarded based on the numerical value attained, in keeping with the ECTS User Guide, as per the provisions of Section 8(6) General Examination Regulations of Deggendorf Institute of Technology.

(4) Should an end-of-module examination comprise multiple module component examinations, a grade of "nicht ausreichend" ("insufficient") awarded in one module component examination may not be offset by a higher grade in another.

Section 11
Bachelor's thesis

(1) When writing their bachelor's thesis, students will be required to demonstrate their ability to apply unassisted the knowledge and skills they have acquired in the course of their studies to complex tasks.

(2) Students having acquired 150 ECTS credits are eligible to register for their bachelor's thesis.

(3) The completion time for the bachelor's thesis is six months.

Section 12
Certificate

On passing the bachelor's examination, a corresponding certificate is issued in line with the sample shown in the appendix to the General Examination Regulations of Deggendorf Institute of Technology.

Section 13
Academic degree and diploma supplement

(1) Based on the successful completion of the bachelor's examination, the academic degree "Bachelor of Engineering", abbreviated as: "B.Eng." is awarded.

(2) A certificate granting the academic degree will be issued in accordance with the sample shown in the appendix to the General Examination Regulations of Deggendorf Institute of Technology.

(3) A diploma supplement, which describes in particular the essential course content underlying the degree, the course of studies and the qualification obtained with the degree, is enclosed with the certificate in two languages.

Section 14
Coming into effect

These Study and Examination Regulations enter into force on 20 December 2023. They shall apply to all students commencing their studies in the winter semester 2024/25 or later.

Study and Examination Regulations B.Eng. Media Technology				Semester hours per week (SWS)												Examinations		
Module No.	**Name of module**	**Course no.**	**Course Name**	**SWS**	**1. Sem.**	**2. Sem.**	**3. Sem.**	**4. Sem.**	**5. Sem.**	**6. Sem.**	**7. Sem.**	**ECTS per cours**	**ECTS**	**Type of instruction**	**Admission requirement**	**Exam format**	**Examination duration**
MT-01	Mathematics for Media Technology 1*			**4**	**4**								**5**	SU/Ü		schrP	90
MT-02	Technical Basics of Media Technology*		Technical Basics	**6**	**4**							**5**	**7**	SU/Ü		PoP	
			Camera Technology		**2**							**2**		Pr			
MT-03	Media Mechanics*			**4**	**4**								**5**	SU/Ü		schrP	90
MT-04	Basics of Programming*			**4**	**4**								**5**	SU/Ü		schrP	90
MT-05	Basics of Design 1*			**4**	**4**								**5**	Pro		PrA	
MT-06	Academic Working Methods*			**2**	**2**								**3**	SU/Ü		PoP	
MT-07	Mathematics for Media Technology 2*			**4**		**4**							**5**	SU/Ü		schrP	90
MT-08	Basics of Lightning Technology and Engineering*		Basics of Lightning Technology and Engineering	**6**		**4**						**4**	**5**	SU/Ü		schrP	90
			Basic Practical Course			**2**						**1**		Pr		eTN	
MT-09	Audiovisual basics*			**4**		**4**							**5**	SU/Ü		schrP	90
MT-10	Sound Engineering			**4**		**4**							**5**	SU/Ü		schrP	90
MT-11	Basics of Design 2*		Storytelling using Text and Image	**6**		**4**						**4**	**5**	Pro		PoP	
			Photography			**2**						**1**		Pro			
MT-12	Basics of Film/Video Design*			**4**		**4**						**5**	**5**	Pro		PrA	
MT-13	Signal processing			**4**			**4**						**5**	SU/Ü	LN	schrP	90
MT-14	Sound Engineering Practicals			**4**			**4**						**5**	Pr		PoP	
MT-15	Applied Computer Science		Mobile Applications	**8**			**4**					**4**	**8**	SU/Ü	eTN	PoP	
			Web Programming				**4**					**4**		SU/Ü			
MT-16	General Elective of a General Academic Nature			**2**			**2**						**2**	SU/Ü		schrP/PStA	
MT-17	Basics of Animation			**4**			**4**						**5**	Pro		PrA	
MT-18	Advanced Film/Video Design			**4**			**4**						**5**	Pro		PrA	

MT-19	Transmission Media			4				4					5	SU/Ü	LN	schrP	90
MT-20	Technologies of Immersive Media			4				4					5	SU/Ü		PoP	
MT-21	User Experience und Interface Design		User Experience und Interface Design	6				4				4	5	Pro		PoP	
			Project Management					2				1		Pro			
MT-22	3D-Visualisation			4				4					5	Pro		PrA	
MT-23	Basics of Studio Production			4				4					5	Pro		PrA	
MT-24	Technical Aspects of Artificial Intelligence			4					4				5	SU/Ü		schrP	90
MT-25	Economics		English for Engineers	4					2			2	5	SU/Ü		PoP	
			Business Administration						2			3		SU/Ü			
MT-26	Subject-specific Elective Module (FWP)			4							4		5	SU/Ü		schrP/PStA	90
MT-27	Law and Strategy		Marketing	4							2	3	5	SU/Ü		PoP	
			Media Law								2	2		SU/Ü			
Specialisation Media Production (MP)																	
MT-28	Internet Radio			4				4					5	Pro		PoP	
MT-29	Audio Applications			4					4				5	Pro		PoP	
MT-30	Interactive Media			4					4				5	SU/Ü		PoP	
MT-31	Brand Design			4					4				5	Pro		PrA	
MT-32	Advanced Studio Production			4					4				5	Pro		PrA	
MT-33	3D-Character Animation			4							4		5	Pro		PrA	
Specialisation Media Engineering (ME)																	
MT-34	Audiovisual Systems			4				4					5	SU/Ü		PoP	
MT-35	Software Engineering			4					4				5	SU/Ü		PoP	
MT-36	Projection and Display Technology			4					4				5	SU/Ü		PoP	
MT-37	Lighting Technology, Simulation and Virtualisation			4					4				5	SU/Ü		schrP	90

MT-38	Applications of Immersive Media			**4**					**4**				**5**	SU/Ü		PoP	
MT-39	Innovative Media Technologies			**4**							**4**		**5**	SU/Ü		PoP	
MT-40	Internship									**X**			**22**	Pr		PB	
MT-41	Practical classes (PLVs)		PLV 1	**12**						**3**		**2**	**8**	Pr		PrA	
			PLV 2							**3**		**2**		Pr		PrA	
			PLV 3							**3**		**2**		Pr		PrA	
			PLV 4							**3**		**2**		Pr		PrA	
MT-42	Bachelor's thesis										**x**	**12**	**15**	BA		BA	
MT-43	Bachelor's Seminar			**2**							**2**	**3**		S		eTN	
	Total SWS				24	28	26	26	24	12	12						
	Total ECTS			210	30	30	30	30	30	30	30		210				

Abbreviations:																				
ECTS	European Credit Transfer System			schrP	Written examination											V	Lecture			
SWS	Semester hours per week			mdlP	Oral examination											Ü	exercise class			
ZV	Admission requirements			PStA	Written assignment											SU	Seminar-based lesson			
*	Basic modules			Präs	Presentation											S	Seminar			
				PB	internship report											Pr	Internship			
				eTN	successful participation											Pro	Project			
				schrP/PStA	written examination, written examination according to the curriculum)															
				Ber	Report															
				PrA	Project work															
				PoP	Portfolio examination															
				BA	Bachelor's thesis															

Issued based on the resolution of the Senate of Deggendorf Institute of Technology dated 20 December 2023 and the regulatory approval of the Vice President of Deggendorf Institute of Technology dated 08 January 2024.

sgd.
Prof. Waldemar Berg
Vice-President

These by-laws were recorded at Deggendorf Institute of Technology on 08 January 2024. The recorded by-laws were duly posted on the notice boards on 08 January 2024. Their day of announcement is therefore 08 January 2024.