

**1. By-laws on Amendments in the Study and
Examination Regulations for the
Bachelor Programme
Health Informatics (Bachelor of Science, B.Sc)
at the Deggendorf Institute of Technology**

Dated 27 March 2019

On the basis of Art. 13 Para. 2 Clause 2, 58 Para. 1, 61 Para. 2 Clause 1 of the Bavarian University and College Act (BayHSchG) dated 23 May 2006 (GVBl. p. 245, Bay RS 2210-1-1-WK), last amended by § 1 Para. 186 of the Ordinance of 26 March 2019 (GVBl. p. 98), the Deggendorf Institute of Technology enacts the following by-laws:

**§ 1
Changes**

The study and examination regulations for the Bachelor programme Health Informatics in the version dated 1 October 2017 are amended in the annex as follows:

Annex to the study and examination regulations for the Bachelor programme Health Informatics at the Deggendorf Institute of Technology

Overview of the modules

Health Informatics				Category	Semester periods per week (SWS)							ECTS	Form of Course*	Type and Duration in minutes	
Overview of Modules-/Course Number, Module- and Course Description, Semester periods per week (SWS) and ECTS				Informatics	SWS	1. Sem. (WS)	2. Sem. (WS)	3. Sem. (WS)	4. Sem. (WS)	5. Sem. (WS)	6. Sem. (WS)				7. Sem. (WS)
Modules Number	Course Number	Modules	Course	General Foundations											
G-01	G1101	Foundations of Medicine	Foundations of Medicine	Health								4	4		
G-02	G1102	Foundations of Mathematics and Statistics	Mathematics I	Mathematics/Sciences	2	2							5	SL, P, S	Written Examination 90 Min.
	G1103		Statistics I		2	2									
G-03	G1104	Foundations of Informatics	Formal Languages, Data Structure and Algorithms	Informatics	4	4							5	SL, P, S	Written Examination 90 Min.
G-04	G1105	Foundations of Sciences	Foundations of Sciences	Mathematics/Sciences	4	4							5	SL, P, S	Written Examination 90 Min.
G-05	G1106	General Business Administration and Accounting	General Business Administration and Accounting	General Foundations	4	4							5	SL, P, S	Written Examination 90 Min.
G-06	G1107	AWP (Foreign Language I)	Foreign Language I ¹⁾	General Foundations	4	4							4	SL, P, S	Written Examination 90 Min.
G-07	G2101	Foundations of Law	Social Security Law	General Foundations	2		2						5	SL, P, S	Written Examination 90 Min.
	G2102		Liability Law		2		2								
G-08	G2103	Software Development	Software Development	Informatics	4		4						5	SL, P, S	Written Examination 90 Min.
G-09	G2104	Databases	Databases	Informatics	4		4						5	SL, P, S	Written Examination 90 Min.
G-10	G2105	Foundations of Health Informatics	Systems and Applications	Informatics	4		4						5	SL, P, S	Written Examination 90 Min.
G-11	G2106	Mathematics and Statistics	Mathematics II	Mathematics/Sciences	2		2						5	SL, P, S	Written Examination 90 Min.
	G2107		Statistics II		2		2								
G-12	G2108	Compliance and Risk Management	Compliance and Risk Management	General Foundations	2		2						5	SL, P, S	RP (Research Paper)
	G2109		Data Protection and IT Security		2		2								
G-13	G2110	AWP (Foreign Language II)	Foreign Language II ¹⁾	General Foundations	2		2						2	SL, P, S	Written Examination 60 Min.
G-14	G2111	AWP	AWP	General Foundations	2		2						2	SL, P, S	CWC
Deepening															
G-15	G3101	Medical Documentation	Medical Documentation	Health	4			4					5	SL, P, S	Written Examination 90 Min.
G-16	G3102	Application Systems of Health Informatics	Application Systems of Health Informatics	Health	4			4					5	SL, P, S	Written Examination 90 Min.
G-17	G3103	Information Systems in Health Care	Medical- and Nursing Documentation System	Informatics	2			2					5	SL, P, S	Written Examination 90 Min.
	G3104		Data Protection and Data Security in Health Economy		2			2							
G-18	G3105	Media Management	Media Management	Informatics	4			4					5	SL, P, S	RP (Research Paper)
G-19	G3106	Innovation and Complexity Management	Innovation and Complexity Management	General Foundations	4			4					5	SL, P, S	Written Examination 90 Min.
G-20	G3107	AWP (Foreign Language III)	Foreign Language III ¹⁾	General Foundations	4			4					4	SL, P, S	Written Examination 90 Min.
G-21	G4101	Medical Technology	Medical Technology	Health	4				4				5	SL, P, S	Written Examination 90 Min.
G-22	G4102	ERP-Systems	ERP-Systems	Informatics	4				4				5	SL, P, S	Written Examination 90 Min.
G-23	G4103	Operations Research	Operations Research	Informatics	4				4				5	SL, P, S	Written Examination 90 Min.
G-24	G4104	Practice of Programming	Practice of Programming	Informatics	4				4				5	SL, P, S	Written Examination 90 Min.
G-25	G4105	Seminar: Current Aspects of Health Economy	Current Aspects of Health Economy	Health	4				4				5	SL, P, S	Written Examination 90 Min.
G-26	G4106	AWP (Foreign Language IV)	Foreign Language IV ¹⁾	General Foundations	2				2				2	SL, P, S	Written Examination 60 Min.
G-27	G4107	AWP	AWP	General Foundations	2				2				2	SL, P, S	CWC
Practical Semesters															
G-28	G5101	Internship (18 weeks)	Internship (18 weeks)										26		
	G5102	Block Seminar to accompany the internship (PLV) 1	Block Seminar to accompany the internship (PLV) 1		2					2			2	P, S	CWC
	G5103	Block Seminar to accompany the internship (PLV) 2	Block Seminar to accompany the internship (PLV) 2		2					2			2	P, S	CWC

G-29	G6101	Social Processes and Communication	Social Processes and Communication	General Foundations	4							4		5	SL, P, S	RP (Research Paper)	
G-30	G6102	Knowledge-based Systems	Knowledge-based Systems	Informatics	4							4		5	SL, P, S	Written Examination 90 Min.	
G-31	G6103	IT-Project Management	IT-Project Management	Informatics	4							4		5	SL, P, S SL, P, S	Written Examination 90 Min.	
G-32	G6104	Logistics in Healthcare	Logistics in Healthcare	Health	4							4		5	SL, P, S SL, P, S	Written Examination 90 Min.	
G-33	G6105	Collaborative Systems	Collaborative Systems	Informatics	4							4		5	SL, P, S SL, P, S	Written Examination 90 Min.	
FWP* (Subject-Scientific Compulsory Module) A Subject-Scientific Compulsory Module (FWP) must be selected from FWP-1, FWP-2 or FWP-3																	
G-34	G6106	FWP-1* Evidence-based Medicine	Evidence-based Medicine	Health	4							4		5	SL, P, S	RP (Research Paper)	
G-35	G6107	FWP-2* Telematics in Health Economy	Telematics in Health Economy	Health	4							4		5	SL, P, S	RP (Research Paper)	
G-36	G6108	FWP-3* Data Analytics	Data Analysis and Data-Mining	Informatics	4							4		5	SL, P, S	RP (Research Paper)	
G-37	G7101	Managed Care	Managed Care	Health	4							4		5	SL, P, S	Written Examination 90 Min.	
G-38	G7102	IT-Organisation and Computer Center Management	IT-Organisation and Computer Center Management	Informatics	4							4		5	SL, P, S SL, P, S	Written Examination 90 Min.	
G-39	G7103	Seminar: Management and IT-Consulting in health service	Management and IT-Consulting	Informatics	4							4		5	SL, P, S	RP (Research Paper)	
G-40	G7104	Business Game: Medical Information Systems	Business Game: Medical Information Systems	Health	2							2		2	SL, P, S	Written Examination 90 Min.	
G-41	G7105	Bachelor Thesis		Informatics										12	Bachelor Thesis		
Total SWS (Semester periods per week) - students					142	24	28	24	24	4	24	14					
Total ECTS-Offer - faculty						29	34	29	29	30	30	29	210				
1)	The modules "Foreign Language I - IV" are ascending language courses in a specialised foreign language, which are defined in the curriculum. Instead of the modules "Foreign Language I - IV", students with a mother tongue other than German must complete four ascending language courses in German (German I - IV) with twice the number of hours (4 semester hours each).																
Abbreviations: SL = Seminars style lesson P = Practice exercises S = Seminar RP = Research Paper CWC = Certificate of achievement																	

§ 2 Coming into effect

The amendment shall come into effect on 1 October 2019.

Issued based on the resolution of the Senate of the Deggendorf Institute of Technology dated 27 March 2019 and the regulatory approval of the Vice President of the Deggendorf Institute of Technology dated 27 March 2019.

Signed by
Prof. Waldemar
Berg, Vice President

These by-laws were laid down on 27 March 2019 at the Deggendorf Institute of Technology. This was announced by means of a notice on 27 March 2019. Day of announcement is, therefore, 27 March 2019.