§ 74 Bachelor of International Business Information Systems

(1)   To successfully complete the degree programme 210 credit points (ECTS) must have been gained for the required core subjects, elective modules and the practical semesters. The normative time to degree is 7 semesters.

(2)   For the Bachelor of International Business Information Systems foundation level studies take two semesters. The duration of the advanced level studies is five semesters.

(3)   The fourth semester is an internship semester (practical study semester).

(4)   For regulations for the exchange semester, please refer to § 3a in the general part of the Study and Examination Regulations.

(5)   Furtwangen University actively encourages students to participate in an exchange semester. If the sixth semester of the programme is undertaken at a partner university of the Faculty, it will be accredited within the recognition procedure. Other non-graded assessments at foreign universities will be examined upon request and if possible accredited by the Faculty Examination Board.

(6)   Within the required elective modules, a maximum of 3 credit points can be earned through foreign language courses.

(7)   Final grades certificate and degree certificate will be in English.

(8)   The modules required for successful completion of the degree programme and the relevant Study and Examination Regulations are shown in Table 2 for the foundation level studies and in Table 3 for the advanced level studies (Table 1 gives an overview).

Table 1: Module Structure

Module/ Semester	1	2	3	4	5	6
7	Thesis			Oral Exam	Elective 5	
6	Internet of Things for Business Solutions	Project in Business Information Systems	Elective 2	Elective 3	Elective 4	
5	Software Engineering	Cloud and Mobile Business Applications	Operations and Logistics	Data Science and Machine Learning	Elective 1	
4	Internship Module					
3	Web-based Technologies	Applied Algorithms and Data Structures	Management Accounting and Controlling	ERP -Systems	Project Management	Introduction to Computer Security
2	Data Bases	Object-oriented Programming	Financial Accounting	Business Processes	Applied Statistics	Digital Marketing and eCommerce
1	Systems and Network Architectures	Programming Fundamentals	Business Management	Applied Mathematics	Professional Skills & Career Development	Scientific Working/ Academic Writing

Table 2: Foundation Level Studies International Business Information Systems (1st – 2nd Semester)

Module	Module Component	Delivery Type	Contact hours (SWS)	Graded assessment	Non-graded assessment	Credit points
1st Semester						30
Systems and Network Architectures (6 LP)						
	Systems and Network Architectures	V/Ü	4	1K (80%), 1sbA (20%) [1]		6
Programming Fundamentals (6 LP)						
	Programming Fundamentals	V	4	1K		4
	Programming Fundamentals Practicals	Ü	2		1sbA	2
Business Management (6 LP)						
	Business Management	V/Ü	4	1K		6
Applied Mathematics (6 LP)						
	Applied Mathematics	V/Ü	4	1K (80%), 1sbK (20%) [2]		6
Professional Skills & Career Development (3 LP)						
	Professional Skills & Career Development	S	2	1A		3

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Module	Module Component	Delivery Type	Contact hours (SWS)	Graded assessment	Non-graded assessment	Credit points
Scientific Working/ Academic Writing (3 LP)						
	Scientific Working/Academic Writing	S	2	1A		3
2nd Semester						**30**
Data Bases (6 LP)						
	Databases	V	4	1K		4
	Database Practical	Ü	2		1sbA	2
Object-oriented Programming (6 LP)						
	Object-oriented Programming	V/Ü	6	1K		6
Financial Accounting (3 LP)						
	Financial Accounting	V/Ü	2	1K		3
Business Processes (6 LP)						
	Business Processes	V	4	1K		4
	Business Processes Practical	P	2		1sbA	2
Applied Statistics (6 LP)						
	Applied Statistics	V/Ü	4	1K (80%), 1sbK (20%)[1]		6
Digital Marketing and eCommerce (3 LP)						
	Digital Marketing and eCommerce	V/Ü	2	1K		3
Total						**60**

[1] The graded assessment for this module is only considered "passed", when all part assessments have awarded a minimum grade of "4.

[2] In Case of failure of one part of assessment, resit/ retake is only possible for the assessment as a whole, but not from the individual parts of the assessment.

Table 3: Advanced level studies International Business Information Systems (3rd – 7th Semester)

Module	Module Component	Delivery Type	Contact hours (SWS)	Graded assessment	Non-graded assessment	Credit points
3rd Semester						**30**
Web-based Technologies (6 LP)						
	Web-based Technologies	V/Ü	6	1K (70%), 1sbA (30%)[1]		6

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Module	Module Component	Delivery Type	Contact hours (SWS)	Graded assessment	Non-graded assessment	Credit points
Applied Algorithms and Data Structures (6 LP)						
	Applied Algorithms and Data Structures	V/Ü	4	1K		6
Management Accounting and Controlling (6 LP)						
	Management Accounting and Controlling	V/Ü	4	1K		6
ERP -Systems (6 LP)						
	ERP -Systems	S	4	1K (80%), 1sbA (20%) [1]		6
Project Management (3 LP)						
	Project Management	S	2	1K (50%), 1sbA (50%) [1]		3
Introduction to Computer Security (3 LP)						
	Computer Security	S	2	1K		3
4th Semester						**30**
Internship Module (30 LP)						
	Introduction to Internship	S	1		1sbA	2
	Internship Debriefing	S	1		1sbA	1
	Internship				1sbA	24
	Internship: Internship Paper				1ST	3
5th Semester						**30**
Software Engineering (6 LP)						
	Software Engineering	V/Ü	4	1K (70%), 1sbA (30%) [1]		6
Cloud and Mobile Business Applications (6 LP)						
	Cloud and Mobile Applications	V	4	1K		6
Operations and Logistics (6 LP)						
	Operations and Logistics	S	4	1K (70%), 1sbA (30%) [1]		6
Data Science and Machine Learning (6 LP)						
	Data Science and Machine Learning in Business	V/Ü	6	1K (50%), 1sbA (50%) [1]		6

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Modul	Module Component	Delivery Type	Contact hours (SWS)	Graded assessment	Non-graded assessment	Credit points
Elective 1 (6 LP)						
	Elective 1			PL		6
6th Semester						**30**
Internet of Things for Business Solutions (6 LP)						
	Internet of Things	V/Ü	4	1K		6
Project in Business Information Systems (6 LP)						
	Project Task	Pj	0,8	1A		5
	Project Seminar	S	1		1sbPN	1
Elective 2 (6 LP)						
	Elective 2			PL		6
Elective 3 (6 LP)						
	Elective 3			PL		6
Elective 4 (6 LP)						
	Elective 4			PL		6
7th Semester						**30**
Thesis (18 LP)						
	Bachelor Thesis			1T		12
	Thesis Seminar	S		1sbR		6
Oral Exam (6 LP)						
	Oral Exam			1M		6
Elective 5 (6 LP)						
	Elective 5			PL		6
Total credit points						**150**

[1]The graded assessment for this module is only considered "passed", when all part assessments have received a minimum grade of "4.

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