

Required Elective Modules Bachelor International Information Systems

Examinations in summer semester 2026

Expected date of publication: March 16, 2026

Examination numbers IIS SPO 2024 with 9875xxx, IIS SPO 2021 with 9775xxx

Title	Exam. number	First examiner	Second examiner	Type of examination	Grading	Note
3D Data Processing	-	Rösch	Kiefer	Written examination, 90 minutes, none auxiliaries	Comma note	
3D printing	9875260 9775184	Scholz	von Bodisco	Portfolio exam: • Written examination, 60 minutes, none auxiliaries, 25% • Written assignment, 10-25 pages, with presentation of results, 5-10 minutes, 75%	Comma note	
Agile Software development put into practice	9875110 9775195	Reuter, Liebermann	Liebermann, Reuter	Portfolio exam: • Oral examination, 15 minutes, 20% • Written assignment, 30-40 pages, 80%	Comma note	
Agile Web Applications with Python	9875270 9775104	Seifert	Teynor	Portfolio exam: • Written assignment, 10-25 pages, 80% • Presentation, 10-25 minutes, 20%	Comma note	
Applied Generative AI	9875280 9775206	Mertes	Zarcone	Portfolio exam: • Written assignment, 10-25 pages, 75% • Presentation, 15 minutes, 25%	Comma note	
Applied Value Creation in Sports – Using Python	9875290 9775207	Buck	Kratsch	Portfolio exam: • Written assignment A, 5 pages, 17% • Written assignment B, 5 pages, 17% • Presentation, 15-20 minutes, 33% • Practical exam, 33%	Comma note	
Artificial Intelligence	9875170 9775201	Rist	Rösch	Written assignment, 20-30 pages	Comma note	
Basics of machine learning	9875350 9775212	Teynor	Kipp	Written examination, 60 minutes, auxiliary: calculator	Comma note	not admitted for IN SPO 2025

Business Information Systems	9775164	Bensch	Lauterbach	Project Work	Comma note
Chance and Risk Management in Digitized Value Networks	9875120 9775196	Häckel	Buck	Portfolio exam: • Written examination, 60 minutes, auxiliary: non-programmable calculator, 50% • Written assignment, 5-10 pages, 25% • Presentation, 10-15 minutes, 25%	Comma note
Computer Vision	9875300 9775208	Dorn	Rossmann	look at bachelor program Data Science, Faculty of Liberal Arts and Sciences	
Concepts of Database Technology	9875430 9775175	Predeschly	Kolonko	Written examination, 60 minutes, none auxiliaries	Comma note
Corporate Entrepreneurship	9775174	Buck	Häckel	Portfolio exam: • Interim presentation, 15 minutes, 30% • Final presentation, 25 minutes, 35% • Written elaboration of the final presentation, approx. 6-8 pages, 35%	Comma note
Data communication in the vehicle	9875320 9775112	Kirchmeier	Wanninger	Written examination, 60 minutes, none auxiliaries	Comma note
Data Science	9875310 9775209	Schöler	Teynor	Portfolio exam: • Project work, 10% • Presentation, 10 minutes, 15% • Written assignment, min. 10 pages, 75%	Comma note
Digital Foresight	9875330 9775210	Buck	Häckel	Seminar-style teaching, exercise	Comma note
Digital Innovation	9775116	Buck	Häckel	Portfolio exam: • Paper presentation, 15 minutes, 10% • Presentation A, 20 minutes, 20% • Presentation B, 20 minutes, 20% • Final presentation, 30 minutes, 50%	Comma note
Digital Management	9875340 9775211	Gerth	Rist	Portfolio exam: • Presentation, 30-45 minutes, 70% • Written assignment, 6-18 pages, 30%	Comma note

Digital Transformation in Organizations	9775115	Lauterbach	Mayer	Portfolio exam: • Project work, 50% • Written assignment, 10-15 pages, 50%	Comma note
Electronic-Commerce	9875130 9775197	Gerth	Mayer	Portfolio exam: • Presentation, 30 minutes, 70% • Written assignment, 6-18 pages, 30%	Comma note
Electronic Trading Systems	9875360 9775120	Mayer	Zimmermann	Portfolio exam: • Presentation, 15 minutes, 60% • Written assignment, 10-15 pages, 40%	Comma note
Embedded Linux	9875140 9775198	Högl	von Bodisco	Written examination, 60 minutes, none auxiliaries	Comma note
Embedded Security Testing	-	F. Fischer, Niedermaier	Merli	Portfolio exam: • Written examination, 60 minutes, none auxiliaries, 50% • Presentation, 20-30 minutes, 50%	Kommanote
Flying Robots	9875370 9775186	Wanninger	Strohmeier	Portfolio exam: • Oral examination, 30 minutes, 50% • Project work, Demonstration / Colloquium, 50%	Comma note
Formula Student Driverless	9775123	Kiefer	Markgraf	Portfolio exam: • Written assignment, 10-15 pages, 80% • 6 Short presentations, 10-20 minutes, 20%	Comma note
Formula Student Electric	9875380 9775173	Markgraf	Kiefer	look at Faculty Electrical Engineering	
Fundamentals of DevOps	9775167	Kolonko	Predeschly	Written examination, 60 minutes, none auxiliaries	Comma note
Hard- and software for the internet of things	9775126	Brovkov	von Bodisco	Written examination, 60 minutes, auxiliary: 1 DIN A4 page handwritten	Comma note
Human Factors in Cybersecurity	9875150 9775199	Merli, Buck, Cocron	Buck, Cocron, Merli	Portfolio exam: • Project report (6-8 pages), 60% • Presentation, 15 minutes, 40%	Comma note
Industrial Image Processing	9775169	Rösch	Kiefer	Written examination, 90 minutes, none auxiliaries	Comma note

Industrial Security Basics		Hollmann, Schurk		look at bachelor program Mechatronics, Faculty Electrical Engineering	
Innovation Selling	9875400 9775213	Gerth	Mayer	Portfolio exam: • Presentation, 30-45 minutes, 70% • Written assignment, 6-18 pages, 30%	Comma note
Integrated Business Processes with SAP ERP	9775129	Röser	Bensch	Written examination, 90 minutes, none auxiliaries	Comma note
Intelligent Enterprise Systems Engineering	-	Lauterbach	Bensch	Portfolio exam: • Project work, 50% • Written assignment, 10-15 pages, 50%	Comma note
Interactive Computer Graphics	9875160 9775200	Rösch	Rist	Written examination, 90 minutes, none auxiliaries	Comma note
Introduction to Natural Language Processing	9775119	Zarcone	Kleybolte	Written examination, 60 minutes, auxiliary: calculator	Comma note
Introduction to Robotics	9775178	Strohmeier	Schöler	Written examination, 60 minutes, auxiliary: non-programmable calculator, 2 DIN A4 pages handwritten formulary	Comma note
IT-Consulting	9775131	Zimmermann, Klos	Reuter	Portfolio exam: • Project work, 10-25 Seiten, 60% • Presentation, 10-30 minutes, 40%	Comma note
IT Forensics	9875410 9775187	Werthschulte	Braun	Written examination, 90 minutes, none auxiliaries	Comma note
IT-Organisation, Jobs & Employability	9875420, 9775214	Übelhör	Zimmermann	Portfolio exam: • Written assignment A, 15-20 pages, 50% • Written assignment B, 15-20 pages, 50%	Comma note
IT Security	9775188	Merli, Braun	Braun, Merli	Written examination, 60 minutes, none auxiliaries	Comma note
IT Sourcing and Cloud Transformation	9775133	Mayer	Lauterbach	Written examination, 60 minutes, auxiliary: non-programmable calculator	Comma note
Lean IT & Enterprise Architecture	9775171	Zimmermann	Reuter	Written assignment, 15-30 pages	Comma note

Linux LPIC	9875440 9775190	Thalmayr	Högl	Written examination, 60 minutes, none auxiliaries	Comma note	
Mobile Robots	9775191	Wanninger	Strohmeier	Portfolio exam: • Presentation, 5 minutes, 3 slides, 25% • Written examination, 45 minutes, (closed book), 50% • Project work, presentation / documentation / UML-models, 25%	Comma note	
Network Engineering	9875180 9775202	Winter	Braun	Written examination, 60 minutes, none auxiliaries	Comma note	
Network Penetration Testing	9775141	Braun	von Bodisco	Written examination, 60 minutes, auxiliary: 1 DIN A4 page handwritten	Comma note	
Neural Networks and Large Language Models	-	Kipp	Teynor	Written examination, 60 minutes, auxiliary: calculator	Comma note	
NoSQL	9775143	Predeschly	Kolonko	Portfolio exam: • Project work, 75% • Presentation, 15 minutes, 25%	Comma note	
Open-Source Software	9875190 9775203	Högl	von Bodisco	Written examination, 60 minutes, none auxiliaries	Comma note	
Process Intelligence	9875460 9775176	Kratsch	Buck	Portfolio exam: • Project work, 10-25 Seiten, 60% • Presentation, 20-30 minutes, 40%	Comma note	
Programming of Web Applications	9775149	Metzner	Heidegger	Portfolio exam: • Project work, 50% • Written assignment, with presentation, 5-15 pages, 50%	Comma note	If there are few participants, the lecture can also be conducted in Directed Reading format with reduced attendance time.
Programming using Databases	9875470 9775147	Kolonko	Predeschly	Written examination, 60 minutes, none auxiliaries	Comma note	
Programming with Python	9775148	Rösch	Kirchmeier	Written examination, 60 minutes, none auxiliaries	Comma note	

Project - Research and Transfer	9875480 9775182	Lehrende der FKI		Portfolio exam: • Project work, 10-20 Seiten, 80% • Presentation, 10-20 minutes, 20%	Comma note	
Project Management	9875210 9775204	Degen	Kowarschick	Written assignment, 7-12 pages	Comma note	
Rapid Business Model Prototyping	9875490 9775215	Buck	Häckel	Portfolio exam: • Written assignment, 15-20 pages, 50% • Presentation, 15-20 minutes, 50%	Comma note	
Rapid IT Prototyping in Cloud Environments - Description coming soon	-	Übelhör		Prüfungsform	Comma note	
Search Engine Optimization (SEO)	9875220 9775205	Baur	Braun	Portfolio exam: • Written assignment, SEO-Audit, 10-20 pages, 50% • Presentation, 50%	Comma note	
Service Learning Project	9875510 9775183	Lehrende der FKI		Portfolio exam: • Project work, 10-20 Seiten, 80% • Presentation, 10-20 minutes, 20%	Comma note	
Startup - Entrepreneurial Thinking and Business Design	9775172	Buck	Häckel	Portfolio exam: • 3 presentations, 20-30 minutes each, 75% • Written assignment, 8-12 pages, 25%	Comma note	
Swabia Innovation Masterclass	9875500 9775194	Buck	Häckel	Portfolio exam: • Partial examination 1: Presentation, 5-10 minutes (70%) and written elaboration, 3-8 pages (30%), 25%% • Partial examination 2: Presentation, 5-10 minutes (70%) and written elaboration, 3-8 pages (30%), 25%% • Partial examination 3: Presentation, 5-25 minutes (70%) and final report, 10-14 pages (30%) , 25%% • Partial examination 4: Presentation, 15-25 minutes (70%) and pitch slides, 7-10 slides (30%) , 25%%	Comma note	
System Programming with Rust	9875520 9775216	Högl	Kiefer	Written examination, 60 minutes, none auxiliaries	Comma note	not admitted for IN SPO 2019 and 2012

UI/UX Design: Foundations, Prototyping & usage of AI	9875530 9775217	Mess	Teynor	Portfolio exam: • Written assignment, 10-15 pages, 60% • Oral examination, 20-30 minutes, 40%	Comma note
University Innovation Project	9875390 9775179	Lehrende der FKI		Portfolio exam: • Project work, 10-20 Seiten, 80% • Presentation, 10-20 minutes, 20%	Comma note