

## Appendix 2 Module catalogue

Please note: The German version of this document is the legally binding version. The English translation provided here is for information purposes only.

### 1st Semester

Enterprise Information Systems								Module ID 5 WI 61
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	1st sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition		4 SCH/60 h	90 h	Lecture, group work, case studies, possibly internships in selected application systems	25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They have a basic understanding of Enterprise Architecture Management.</li> <li>• They are able to classify the key applications in the enterprise solution landscape.</li> <li>• They are able to classify and evaluate enterprise applications in different areas such as business intelligence, business operations and supporting systems.</li> <li>• They can explain industry-neutral, industry-specific and inter-company application systems.</li> <li>• They are able to apply their knowledge to the development, deployment and operation of application systems.</li> <li>• Students can explain the integration of different applications in the solution landscape of a company.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	<ul style="list-style-type: none"> <li>• Introduction to the categories of enterprise application systems and their organisational classification in the corporate context.</li> <li>• Case studies to develop the following skills: <ul style="list-style-type: none"> <li>- Methods and frameworks of enterprise architecture management (EAM)</li> <li>- Presentation and evaluation of existing tools for planning information and communication systems</li> <li>- Technologies for the integration of systems; documentation and change management</li> <li>- Dependencies between application systems, data management, processes and business architecture</li> </ul> </li> </ul>							
<b>4</b>	<b>Participation requirements</b>							
	Basic knowledge of IT infrastructure and application systems, such as that taught in the modules "ERP Systems II" (WI 03) or "Principles of Software Technology" (WI 18, 19 and 21).							
<b>5</b>	<b>Form of assessment</b>							
	Written examination							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Module examination pass							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Volker Wiemann							
<b>9</b>	<b>Other information</b>							

Business Models and Processes in the netEconomy								Module ID 5 WI 62
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	1st sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>	<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition	4 SCH/60 h	90 h	Lecture, group work, exercises on the PC, project work, case studies		25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are able to explain and differentiate between basic subjects and terms of e-business and the net economy.</li> <li>• They are able to design, categorise, implement and evaluate digital business models.</li> <li>• They are able to use concepts and methods for the digital marketing of an e-business offer.</li> <li>• They are able to take advantage of the opportunities offered by e-business and critically assess risks.</li> <li>• They are able to adapt concepts of the net economy to internal processes and use appropriate tools.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	<ul style="list-style-type: none"> <li>• E-business concepts: sub-areas, categorisations</li> <li>• Digital business models: concept, forms, systematic development, implementation concepts, analysis, market potential</li> <li>• Online marketing: SEM (Search engine marketing), newsletter, affiliate marketing, social media marketing</li> <li>• Electronic markets: classification, auction systems, tendering systems</li> <li>• Mobile business: technologies, applications, market potential</li> <li>• Social intranet: principles and systems</li> </ul>							
<b>4</b>	<b>Participation requirements</b>							
	Knowledge of how web-based applications and e-commerce systems work, as taught in the modules "Web-Technologies" (WI 13) and "Concepts and Technologies in E-Commerce" (WI 14).							
<b>5</b>	<b>Form of assessment</b>							
	Portfolio as a combination of project and term paper							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Module examination pass							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Hans Brandt-Pook							

<b>9</b>	<b>Other information</b>
	<p>Possible literature:</p> <p>Clement, Schreiber: Internet-Ökonomie; Springer 2013.</p> <p>Kollmann: E-Business: Grundlagen elektronischer Geschäftsprozesse in der Net Economy; Gabler 2016.</p> <p>Kollmann: Online-Marketing: Grundlagen der Absatzpolitik in der Net Economy; Kohlhammer 2013.</p> <p>Heinemann, Gaiser: Social - Local - Mobile: The Future of Location-based Services; Springer 2015.</p> <p>Meier, Lütolf, Schillerwein: Herausforderung Intranet; Gabler 2015</p>

<b>IT Project Management</b>								<b>Module ID 5 WI 63</b>
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	<b>150 h</b>	<b>6</b>	2nd sem.	Annual	Summer	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>	<b>Contact hours</b>		<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Sem. tuition	4 SCH/60 h		90 h	Lecture, group work, problem-based learning, case studies, project work		25	German
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students are able to:</p> <ul style="list-style-type: none"> <li>• successfully prepare, plan and manage projects in an IT context,</li> <li>• handle project crises when dealing with clients, project team members and other stakeholders, and moderating differences of opinion,</li> <li>• secure project success by active risk, stakeholder, change, conflict, change and quality management,</li> <li>• evaluate, prepare and execute IT implementation projects, including with regard to technical, economic and social aspects,</li> <li>• define creativity techniques.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	<ul style="list-style-type: none"> <li>• Project management (PM) duties</li> <li>• Agile vs. traditional project management</li> <li>• Project controlling: progress, cost and effort tracking; quality tracking</li> <li>• Documentation and change management</li> <li>• Communication in the context of change, stakeholder and risk management</li> <li>• Project success measurement</li> <li>• Reporting resp. project communication</li> <li>• Creativity techniques</li> </ul> <p>In addition, the following aspects of the management of IT implementation projects are acquired using case studies and problem-based learning:</p> <ul style="list-style-type: none"> <li>• Requirement management</li> <li>• System selection, assurance of benefits resulting from the use of IT systems</li> <li>• Design thinking and other models and their effects on PM methods</li> </ul>							

<b>4</b>	<b>Participation requirements</b> Basic knowledge of project management in general, and in particular target planning, structure planning, process and schedule planning and reporting. These are taught, for example, in the module WI 29 "Communication and Project Management" in the Business Information Systems bachelor study programme.
<b>5</b>	<b>Form of assessment</b> Combination examination consisting of project and term paper
<b>6</b>	<b>Condition for the award of credit points</b> Examination pass
<b>7</b>	<b>Application of the module</b> (in the following study programmes): Business Information Systems (M.Sc.)
<b>8</b>	<b>Module coordinator</b> Prof. Dr. Ulrich Schäfermeier
<b>9</b>	<b>Other information</b>

Data Management								Module ID 5 WI 64
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	1st sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition		4 SCH/60 h	90 h	Talk, group work/PBL, exercises on the PC	25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are able to explain the basic terms and objects of business intelligence, knowledge management and big data and differentiate them from one another.</li> <li>• They are able to explain the phases of data warehousing, assess the reference architecture of a data warehouse and create a multidimensional database schema.</li> <li>• They are able to define the concepts, methods and technologies for developing applications in the areas of business intelligence, knowledge management and big data.</li> <li>• They are able to apply an up-to-date business intelligence tool.</li> <li>• They are able to identify specific knowledge problems in organisations, classify them thematically and develop application scenarios for the technical support of knowledge-intensive processes.</li> <li>• They are able to obtain and understand materials and information on topics from current specialist literature. They are able to classify researched information in the context of the course and present it to fellow students.</li> </ul>							

<b>3</b>	<b>Contents</b> <ul style="list-style-type: none"> <li>• Knowledge management</li> <li>• Architecture of business intelligence applications</li> <li>• Data warehouse</li> <li>• Quality of data and importance of the ETL (extract, transform, load) process</li> <li>• Multidimensional data modelling</li> <li>• Concepts of data evaluation with OLAP (Online Analytical Processing) and data mining processes</li> <li>• Definition, properties and technological principles of big data applications, current application scenarios for big data</li> </ul>
<b>4</b>	<b>Participation requirements</b> Basic knowledge of databases and information systems, as taught in the basic modules on software technology (WI 18, 19 and 21) and ERP systems (WI 01).
<b>5</b>	<b>Form of assessment</b> Presentation
<b>6</b>	<b>Condition for the award of credit points</b> Module examination pass
<b>7</b>	<b>Application of the module</b> (in the following study programmes): Business Information Systems (M.Sc.)
<b>8</b>	<b>Module coordinator</b> Prof. Dr. Peter Hartel
<b>9</b>	<b>Other information</b>

<b>Business Game: Going Global</b>								<b>Module ID 5 CFR 61</b>
<b>No.</b>	<b>Workload</b>	<b>Credit points</b>	<b>Study semester</b>	<b>Frequency</b>	<b>Sem.</b>	<b>Duration</b>	<b>Type</b>	<b>Q-level</b>
	<b>150 h</b>	<b>6</b>	1st sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>	<b>Contact hours</b>		<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Sem. tuition	4 SCH/60 h		90 h	Group work		25	German
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are proficient in the comprehensive experience and recognition of business contexts.</li> <li>• They are able to define and pursue strategies, goals and concrete measures to secure the competitiveness of a company in a dynamic environment.</li> <li>• Students are able to interpret business figures and convert them into practical decisions.</li> <li>• Students are proficient in the handling of complex decisions under conditions of uncertainty.</li> <li>• Students are able to organise decision-making processes in a team in a time-efficient manner.</li> <li>• Students are proficient in cross-divisional thinking and acting.</li> <li>• Students are able to solve problems in a structured way.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	Implementation of a computer-aided business game with comprehensive decision-making questions at company management level on topics such as product and market development, environment analyses, competition monitoring, employee management, production control, financing, investment and accounting. For this purpose, students work in groups to develop sound decisions in the aforementioned subject areas, which are then processed and analysed in the simulation.							
<b>4</b>	<b>Participation requirements</b>							
	Basic knowledge of general business administration and knowledge of investment/finance, accounting, sales and production at the bachelor level							
<b>5</b>	<b>Form of assessment</b>							
	Project work or written examination or, if necessary, an oral examination							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Regular participation (as the simulation cannot be done from home and is done in group work) and passing the module examination							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.), Master of Business Administration							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Jürgen Schneider							
<b>9</b>	<b>Other information</b>							

## 2nd Semester

Consulting and Strategic Management								Module ID 5 WI 65
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	2nd sem.	Annual	Summer	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition		4 SCH/60 h	90 h	Lecture, group work, case studies	25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• Students can differentiate between the central concepts of consulting and structure and implement consulting projects independently as required.</li> <li>• They are proficient in the central concepts of strategic management as well as the tools and frameworks that are typically used in consulting projects in the business and IT area and can apply these independently.</li> <li>• They are able to identify critical points between business and IT and recognise the impact of IT decisions on employees, companies and society.</li> <li>• They are able to further develop key skills in consulting such as structured work and planning, as well as basic interview, moderation and presentation techniques.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	<ul style="list-style-type: none"> <li>• Target systems and stakeholders</li> <li>• Constitutive decisions (company forms, location factors, etc.)</li> <li>• Basic structural and procedural concepts</li> <li>• Consulting tools and frameworks (portfolio analyses, Porter's Five Forces, SWOT, etc.)</li> <li>• Principles of IT consulting, including basic framework concepts such as CobiT (Control Objectives for Information and Related Technology), ITIL (IT Infrastructure Library) etc.</li> <li>• Strategic decisions</li> <li>• Implementation of consulting projects (basic process, implementation of interviews and workshops, analysis, design of results, implementation management)</li> </ul>							
<b>4</b>	<b>Participation requirements</b>							
	None							
<b>5</b>	<b>Form of assessment</b>							
	Oral examination							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Module examination pass							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Alexander Förster							
<b>9</b>	<b>Other information</b>							

Business Process Management								Module ID 5 WI 66
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	2nd sem.	Annual	Summer	1 sem.	Compulsory	M.Sc.
1	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Sem. tuition		4 SCH/60 h	90 h	Lecture, group work		25	German
2	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are able to explain the basic terms of business process management and differentiate them from one another.</li> <li>• They are able to apply business process management methods and techniques in a business environment.</li> <li>• They are able use tools for process modelling and process implementation and thus design and implement process-oriented solutions.</li> <li>• They are proficient in reproducing fundamental aspects of IT corporate architectures.</li> <li>• They have basic knowledge of service-oriented systems and their development, which enables them to explain the relationship between business processes and service-oriented systems.</li> <li>• They are able to successfully apply methods, techniques and tools for the conceptualisation and implementation of services realised on the basis of various technologies.</li> <li>• They are able to acquire, classify and present materials and information on current developments in this subject area.</li> </ul>							
3	<b>Contents</b>							
	<ul style="list-style-type: none"> <li>• Business processes and their importance in the company</li> <li>• Modelling business processes with BPMN (Business Process Model and Notation)</li> <li>• Best practice examples for BPMN</li> <li>• Object life cycles, business rules and their modelling</li> <li>• Optimisation and simulation of processes in the business environment</li> <li>• Implementation of processes with BPM tools</li> <li>• Current developments in the field of BPM</li> <li>• IT enterprise architecture: definition and characteristics</li> <li>• Realisation of services with different technologies</li> <li>• Development of SOA (Service-oriented architecture) systems with Java technologies</li> <li>• Relationship between business processes and IT enterprise architecture</li> </ul>							
4	<b>Participation requirements</b>							
	Basic knowledge from the areas of software engineering, as taught, for example, in the basic modules on software technology (WI 18, 19, and 21).							
5	<b>Form of assessment</b>							
	Combination of presentation and oral or written examination							
6	<b>Condition for the award of credit points</b>							
	Module examination pass							
7	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
8	<b>Module coordinator</b>							
	Prof. Dr. Jochen Küster							
9	<b>Other information</b>							



IT Service Management								Module ID 5 WI 67
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	2nd sem.	Annual	Summer	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition		4 SCH/60 h	90 h	Group work, talk, case studies, if applicable a simulation game, project work	25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are able to differentiate IT operations and IT services from other operational IT activities.</li> <li>• They have a comprehensive understanding of the fields of application, processes, procedures, tasks, roles and functions of IT service management (ITSM).</li> <li>• They are able to participate in the design of the orderly definition, introduction and operation of IT services.</li> <li>• They are able to evaluate elements of the ITSM and the various current standards in terms of their suitability for different types of IT organisations.</li> <li>• They are able to develop an organisational framework in terms of IT governance for the ITSM.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	<p>First, an introductory explanation is given of the subject area, which includes:</p> <ul style="list-style-type: none"> <li>• Elements of the ITSM life cycle</li> <li>• ITIL and ISO/IEC 20000 in the current version</li> </ul> <p>On this basis, the students develop the following implementation aspects with the lecturer in the sense of problem-based learning or a simulation:</p> <ul style="list-style-type: none"> <li>• Pragmatic introductions and design of ITSM in a practical context</li> <li>• Systematic implementation as part of an ITSM governance structure</li> <li>• Implementation in various scenarios: IT service provider, consumption of cloud applications, IT use in SMEs, etc.</li> </ul>							
<b>4</b>	<b>Participation requirements</b>							
	Basic knowledge of IT infrastructure components, as taught, for example, in the modules "ERP Systems II" (WI 03) or "Computer Networks" (WI 12).							
<b>5</b>	<b>Form of assessment</b>							
	Combined examination consisting of project and term paper							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Module examination pass							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Achim Schmidtman							
<b>9</b>	<b>Other information</b>							

Research Seminar on Business Information Systems								Module ID 5 WI 68
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	300 h	12	2nd sem.	Annual	Summer	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>	<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>		
	Seminar	4 SCH/60 h	240 h	Seminar, student talks	15	German		
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• Students can work on a research-oriented question of business information systems, present it in writing and present it to an expert audience.</li> <li>• They are able to describe research methods in business information systems and assess their useful application.</li> <li>• Students are able to conduct extensive research, place a question in a scientific context, design an appropriate structure, and comprehensively apply the rules of scientific writing.</li> <li>• They are also able to design an oral lecture on a question according to scientific principles, enrich it with visualisations, and give it.</li> </ul>							
<b>3</b>	<b>Contents</b>							
	The topics of the seminar cover the entire spectrum of business information systems. Topics on current issues in application-oriented research in business informatics are dealt with.							
<b>4</b>	<b>Participation requirements</b>							
	Basic knowledge of scientific work, such as that acquired in the "Business Information Systems" (WI 15) module.							
<b>5</b>	<b>Form of assessment</b>							
	Term paper, including a specialist lecture							
<b>6</b>	<b>Condition for the award of credit points</b>							
	Module examination pass							
<b>7</b>	<b>Application of the module</b> (in the following study programmes):							
	Business Information Systems (M.Sc.)							
<b>8</b>	<b>Module coordinator</b>							
	Prof. Dr. Hans Brandt-Pook							
<b>9</b>	<b>Other information</b>							

### 3rd Semester

Master's Project in Business Information Systems								Module ID 5 WI 69	
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level	
	450 h	18	3rd sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.	
1	<b>Course type</b>		<b>Contact hours</b>		<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Project		4 SCH/60 h		390 h			4-6	German
2	<b>Learning outcomes/competences</b>								
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• Students are able to work in a project-related and target-oriented manner.</li> <li>• They are proficient in project management with regard to economic and social aspects.</li> <li>• They have competence in the sound preparation, coordination, communication and implementation of decisions.</li> <li>• They are able to use their knowledge and acquired key competences appropriately in consulting.</li> <li>• They are able to apply creativity techniques.</li> <li>• Students are able to prepare professional meetings and reviews.</li> <li>• They are proficient in the systematic approach and publication in scientific projects, provided that the project task is located in the research environment.</li> </ul>								
3	<b>Contents</b>								
	<p>Participants work on an extensive project task in a group of 4-6 students during the lecture period. The outcomes are presented in status meetings. The teaching staff member oversees the projects as a coach and consultant in classroom hours.</p> <p>The problems of the projects are outlined individually and in coordination with clients (usually external companies), and can cover the entire content of business information systems. The projects are formally implemented in a client-contractor relationship, so that, in addition to consolidating previous knowledge of the subject, students can also acquire the aforementioned practical skills with the support of the supervising teacher in the role of coach. During the implementation of the project, a project report detailing both the management and the outcomes of the project must be prepared.</p>								
4	<b>Participation requirements</b>								
	<p>Formal examination requirements: none</p> <p>Content requirements:</p> <ul style="list-style-type: none"> <li>• Depending on the subject area, the content of the modules from the previous semester can be expected as a prerequisite</li> <li>• Generally, however: IT project management, consulting</li> </ul>								
5	<b>Form of assessment</b>								
	Combination examination consisting of project work and an oral examination								

<b>6</b>	<b>Condition for the award of credit points</b> Passing of the project work with at least half of the possible points and pass in the oral examination with at least half of the possible points, whereby both parts are weighted equally in the overall grade.
<b>7</b>	<b>Application of the module</b> (in the following study programmes): Business Information Systems (M.Sc.)
<b>8</b>	<b>Module coordinator</b> Study programme director
<b>9</b>	<b>Other information</b>

IT Governance, Compliance and Security								Module ID 5 WI 70
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	3rd sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
<b>1</b>	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>	<b>Planned group size</b>	<b>Language</b>	
	Sem. tuition		4 SCH/60 h	90 h	Group work, lecture	25	German	
<b>2</b>	<b>Learning outcomes/competences</b>							
	<p>On successful completion of the module, students have the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• They are able to obtain information on topics of IT governance, compliance and security that have not yet featured in the specialist literature. They are also able to gather materials and extract the essential information.</li> <li>• Based on the knowledge gained, students are able to define a well-founded opinion on the topic and derive the necessary consequences for IT security and IT organisation.</li> <li>• They are able to develop and explain solutions that ensure the IT operation of a company from legal, economic and social perspectives.</li> <li>• They are able to describe the organisational framework for sustainable IT processes.</li> </ul>							

<b>3</b>	<p><b>Contents</b></p> <p>After an introductory explanation of the subject complex (justification, overview of selected IT compliance regulations and governance frameworks), students work on current topics from the field of IT security in coached group work. These can include:</p> <ul style="list-style-type: none"> <li>• Experience and work of security experts who highlight current technical or organisational security gaps and implementation examples</li> <li>• Current incidents in companies and institutions that have occurred in the recent past</li> <li>• Analysis of the technical, organisational and legal regulations and safety measures for the latest technical innovations</li> <li>• Papers that deal with the social responsibility of companies to ensure secure IT operations</li> <li>• Current security concepts of companies and institutions, taking into account the latest threats</li> <li>• Current methods for promoting awareness of IT security amongst all employees</li> </ul> <p>The individual groups explain their outcomes to all participants in the style of seminar tuition. The course is complemented by specialist talks by external experts.</p>
<b>4</b>	<p><b>Participation requirements</b></p> <p>In-depth basic knowledge of IT security, such as that taught in module WI 11 "Operating Systems and IT Security".</p>
<b>5</b>	<p><b>Form of assessment</b></p> <p>Written elaboration and presentation</p>
<b>6</b>	<p><b>Condition for the award of credit points</b></p> <p>Module examination pass</p>
<b>7</b>	<p><b>Application of the module</b> (in the following study programmes):</p> <p>Business Information Systems (M.Sc.)</p>
<b>8</b>	<p><b>Module coordinator</b></p> <p>Prof. Dr. Jörg-Michael Keuntje</p>
<b>9</b>	<p><b>Other information</b></p>

IT Law								Module ID 5 RE 72
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	150 h	6	3rd sem.	Annual	Winter	1 sem.	Compulsory	M.Sc.
1	<b>Course type</b>		<b>Contact hours</b>	<b>Self-study</b>	<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Sem. tuition		4 SCH/60 h	90 h	Group work, lecture, case studies		25	German
2	<b>Learning outcomes/competences</b> On successful completion of the module, students have the following knowledge and skills: <ul style="list-style-type: none"> <li>• Students are able to reproduce the principles of German contract law, including the principles of the law of general terms and conditions.</li> <li>• They are able to analyse simple contracts, including general terms and conditions, and are able to evaluate the special features of contracts in electronic business transactions.</li> <li>• They are able to apply the learned principles of intellectual property law in relation to information technology and can make references to trademark law, copyright law and competition law, particularly with regard to the use of domains.</li> <li>• Students are able to grasp the peculiarities of criminal law in the area of information technologies and apply data protection regulations to informational issues.</li> <li>• They are also able to apply the provisions of the Telecommunications Act and the Telemedia Act.</li> <li>• They are able to describe the main features of international Internet law.</li> </ul>							
3	<b>Contents</b> <ul style="list-style-type: none"> <li>• General contract law</li> <li>• Electronic commerce law</li> <li>• Industrial property rights and copyright; competition law; data protection law</li> <li>• Communication law (Telemedia Law, Telecommunication Law)</li> <li>• International Internet law, including international private law</li> <li>• Criminal law in the field of information technology</li> </ul>							
4	<b>Participation requirements</b> None							
5	<b>Form of assessment</b> Written examination or, if applicable, oral examination							
6	<b>Condition for the award of credit points</b> Module examination pass							
7	<b>Application of the module</b> (in the following study programmes): Business Information Systems (M.Sc.)							
8	<b>Module coordinator</b> Prof. Dr. Axel Benning							
9	<b>Other information</b>							

## 4th Semester

Master Thesis and Colloquium								Module ID 5 WI 89
No.	Workload	Credit points	Study semester	Frequency	Sem.	Duration	Type	Q-level
	750 h	30	4th sem.	continuous	-	-	Compulsory	M.Sc.
1	<b>Course type</b>		<b>Workload</b>		<b>Forms of teaching (learning methods)</b>		<b>Planned group size</b>	<b>Language</b>
	Master thesis 25 ECTS Colloquium 5 ECTS		625 h 125 h		-		-	-
2	<b>Learning outcomes/competences</b> On successful completion of the module, students have the following knowledge and skills: <ul style="list-style-type: none"> <li>• They are able to work independently with scientific methods on a complex problem from the field of business information systems within a given period.</li> <li>• They are able to document scientific work and, if necessary, other outcomes, such as source text, in written form.</li> <li>• They understand the initial situation, the approach and the outcome of work on the problem. They can make an oral presentation and successfully face a discussion about it.</li> </ul>							
3	<b>Contents</b> The master thesis allows independent and practical application, as well as critical reflection on methods and content previously learned during the course, and also typically requires the creation of an eighty-page document. The master thesis is a written paper that must usually be prepared in cooperation with a company.							
4	<b>Participation requirements</b> Master thesis: pass in all module examinations, except for one, with a value of no more than 6 credit points; Colloquium: pass in all module examinations and thus proof of 90 credit points from the module examinations, minimum master thesis grade of "sufficient" (4.0)							
5	<b>Form of assessment</b> Final thesis (master thesis) and colloquium on the master thesis							
6	<b>Condition for the award of credit points</b> Submission of a master thesis, with a minimum overall grade of "sufficient" and pass in the oral examination in the form of a colloquium. Weighting: Master thesis 25 ECTS and colloquium 5 ECTS							
7	<b>Application of the module</b> (in the following study programmes): Business Information Systems (M.Sc.)							
8	<b>Module coordinator</b> Study programme director							
9	<b>Other information</b>							