

# Business Information Systems

## Semester 1

## Semester 2

### AQM1501 -

### BIS1501 - Foundations in Business Information Systems

ID	BIS1501
Level	Entry Level
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLV
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Database Operating systems IT applications / information systems Data Modelling Computer networks
Catalog Entry	<p>Introductory course for all business students in Pforzheim which gives a general overview concerning “IT in business”. Especially introduces basic concepts and keywords of computer science in business. In detail we discuss fundamentals of information and communication technology, we talk about hardware and operating systems, discover how computer networks work and learn how to build applications (includes several hands-on trainings) We talk about databases and how to build and manipulate them using SQL. Finally we discuss IT-security. The overall objective of the course is to introduce basic concepts and keywords and to get the students to a general understanding using formalized methods to describe solutions.</p>

### GMT1501 - General Management: Foundation Course

ID	GMT1501
Level	Entry Level

Credits	6 Credits
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Catalog Entry	<p>These courses provide the students with an understanding of the fundamental problems facing a company together with the constituent parts of a company and their contribution to solving these problems. The first part, in the first semester, considers various general management aspects and consists of the following topics: the business system, the management process, planning systems, decision making, leadership, cost theory, selection of appropriate location for and legal constitution of the company.</p>

<b>GMT1502 - Book Keeping</b>	
ID	GMT1502
Level	Entry Level
Credits	3 Credits
Hours per week	2
Frequency	Once a Year
Kind of Examination	PLK
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Catalog Entry	<p>The course covered the legal regulations for book keeping and preparing the financial accounts. In particular the general systems used in practice are demonstrated: T-accounts, asset accounts, profit/loss accounts, etc. The typical versions of chart of account are considered and subsequently used to record the more typical business transactions. Accounting standards considered were</p>

	according to the German law.
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**LAW1501 -**

**SSC1502 - Elective A: Political science 1**

ID	SSC1502
Level	Entry Level
Hours per week	2
Frequency	Every Semester
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	This course covers the the political system of the Federal Republic of Germany, comparison of the political systems and the international relationships especially the foreign policy of Federal Republic of Germany.

**SSC1503 - Elective A: Psychology 1**

ID	SSC1503
Level	Entry Level
Hours per week	2
Frequency	Every Semester
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	This course makes the students familiar with the most important areas of psychology, which are relevant for economists (e.g. consumer behavior, industrial psychology, etc.).

**SSC1504 - Elective A: Sociology 1**

ID	SSC1504
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Level	Entry Level
Hours per week	2
Frequency	Every Semester
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	The main focus of this course ist the the study of social life, social change, and the social causes and consequences of human behavior.

### Semester 3

#### AQM2501 -

#### **BIS2501 - Introduction to Programming I**

ID	BIS2501
Level	Entry Level
Credits	2 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLL
Language	German, English, French or Spanish
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin
ID	BIS2501
Level	Entry Level
Credits	2 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLL

Language	German, English, French or Spanish
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin

### **GMT2501 - General Management: Key Functions**

ID	GMT2501
Level	Entry Level
Credits	6 Credits
Hours per week	5
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Catalog Entry	<p>These courses provide the students with an understanding of the fundamental problems facing a company together with the constituent parts of a company and their contribution to solving these problems. In the second semester the various functions within the company are considered: Production, Marketing/Sales, Procurement, Human Resources Management.</p>

### **GMT2502 - Management Accounting**

ID	GMT2502
Level	Advanced Level I
Credits	6 Credits
Hours per week	4
Frequency	Once a Year
Kind of Examination	PLK
Examination time	60 minutes

Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Catalog Entry	The course demonstrated the relationship between management and financial accounting. This course includes an appreciation of direct and indirect/overhead costs as well as various internal and opportunity costs. Approaches for allocating overhead costs to products and the definition of the internal costs are also considered. The differences and uses of absorbing costing and contribution margin methods are also demonstrated. The principles of current costing approaches are introduced, e.g. target costing, activity based costing, etc.

### **LAW1502 -**

#### **SSC2502 - Elective A: Political science 2 and 3**

ID	SSC2502
Level	Entry Level
Credits	4 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	This course covers the the political system of the Federal Republic of Germany, comparison of the political systems and the international relationships especially the foreign policy of Federal Republic of Germany.

#### **SSC2503 - Elective A: Psychology 2 and 3**

ID	SSC2503
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Level	Entry Level
Credits	4 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	This course makes the students familiar with the most important areas of psychology, which are relevant for economists (e.g. consumer behavior, industrial psychology, etc.).

### **SSC2504 - Elective A: Sociology 2 and 3**

ID	SSC2504
Level	Entry Level
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Crossfunctional Subjects
Pedagogical Approach	Lecture
Catalog Entry	The main focus of this course ist the the study of social life, social change, and the social causes and consequences of human behavior.

### **TAX2501 -**

## Semester 4

AQM2502 -

AQM2503 -

### **BIS2502 - Introduction to Programming II**

ID	BIS2502
Level	Entry Level
Credits	4 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin

### **ESR2501 - Elective C: Economic and Social History - Part 1**

ID	ESR2501
Level	Advanced Level I
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The elective course Economic and Social History describe economic and social processes with the historic background.



<b>ESR2502 - Elective C: European Economic Relations - Part 1</b>	
ID	ESR2502
Level	Advanced Level I
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The elective course European Economic Relations provides a fundamental introduction into the economic aspects of the European integration.

<b>ESR2503 - Elective C: Environmental Economics - Part 1</b>	
ID	ESR2503
Level	Advanced Level I
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The first part of the elective course Environmental Economics provides an introduction into the topic environmental protection and describes the most important aspects.

<b>ESR2504 - Elective C: Business and Corporate Ethics - Part 1</b>	
ID	ESR2504
Level	Advanced Level I
Hours per week	4
Frequency	Every Semester
Language	German

category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The first part of the elective course Business ethics covers the fundamentals of ethics, business ethics and the management of ethics.

### **GMT2503 - Financial Accounting and Analysis**

ID	GMT2503
Level	Advanced Level I
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLH/PLR
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Interactive approach
Catalog Entry	The course encompasses 2 semesters. In the first semester the fundamentals of the financial accounts are considered. This includes the structure of the balance sheet and profit & loss account, the contents of each position and the various methods available for evaluating them, the development of the fixed assets, cash flow statement and a general analysis of the accounts.

### **GMT2504 - Principles of Finance**

ID	GMT2504
Level	Advanced Level I
Credits	6 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK/PLM/PLP
Examination time	90 minutes

Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Interactive approach
Catalog Entry	The course encompasses 2 semesters. In the second semester the basics of investment decisions and financing a company are considered. This section includes: methods of evaluating investments, finance planing/budgeting, methods of internal and external financing, issuing shares, overview of modern finance instuments.

## Semester 5

**AQM3503 -**

### **BIS3501 - Computer networks fundamentals (LN 2)**

ID	BIS3501
Level	Advanced Level I
Credits	1 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Ethernet OSI - model Data communication Open systems / communication
Responsible:	Burkard, Werner
Catalog Entry	Students discus basic concept of data communication, we talk about technology and services that are often used in business.
Content	<ul style="list-style-type: none"> <li>• Datacommunication basics</li> <li>• ISO/OSI reference model, layers and protocols</li> </ul>

	<ul style="list-style-type: none"> <li>• Transmission and switching technologie, network topology</li> <li>• WAN, ISDN and DSL</li> </ul>
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<b>BIS3502 - Integrated Information Systems (LN 2)</b>	
ID	BIS3502
Level	Advanced Level I
Credits	2 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Requirement analyses SAP Packaged software ERP Systems
Responsible:	Rau, Karl-Heinz
Catalog Entry	In this course different categories of information systems in companies are discussed (e.g. ERP), the students use methods to model systems requirements, special aspects of the selection process and the use of packaged software are introduced. The students get an overview about the software system SAP R/3, the strategy and the steps to implement R/3 in an enterprise. As a special part the students get hands-on training in using SAP R/3 in the areas of general ledger, the purchasing process integrated with credit accounting and the sales process integrated with debit accounting. Finally an overview about the foundations of cost accounting with R/3 is provided.

<b>BIS3503 - Operating Systems and Computer Architecture (LN 3.1)</b>	
ID	BIS3503
Level	Entry Level
Credits	1 Credits

Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Virtual memory Memory Management Task und Thread Scheduling and Dispatching Concurrency
Responsible:	Burkard, Werner
Catalog Entry	Modern computers, there architecture and operating systems Content: Task- and Thread-management, memory-management, file systems, i/o-systems, administering modern computer systems, concurrency, deadlocks.; Actual systems on the market: Linux and Windows XP

### **BIS3504 - Fundamentals of Database Systems (LN 3.1)**

ID	BIS3504
Level	Entry Level
Credits	1 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin

### **BIS3508 - Business Application Systems I (LN 5a)**

ID	BIS3508
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Level	Advanced Level I
Credits	2 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	ERP Systems Software development CRM
Responsible:	Porkert, Kurt
Catalog Entry	Enabling participants to choice, to combine and to integrate components of Enterprise Resource Planning (ERP) software and other business application software.
Content	<ul style="list-style-type: none"> <li>• Types and structure of ERP software</li> <li>• Definitions of CRM, SRM, SCM, BI, PDM and ME systems</li> <li>• User interface of an ERP system</li> <li>• ERP solutions for different types of business processes</li> <li>• Features and types of application integration</li> </ul>

<b>BIS3509 - Business Application Systems II (LN 5a)</b>	
ID	BIS3509
Level	Advanced Level I
Credits	3 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems

Pedagogical Approach	Lecture
Key words	Data Warehouses Online Analytical Processing (OLAP)
Responsible:	Morelli, Frank
Catalog Entry	Students are able to apply business intelligence principles with focus on online analytical processing (OLAP) in the sense of IT-based planning and analyzing within a company. They know the conceptual design of multidimensional data structures. Furthermore the students understand the goals and characteristics of a data warehouse conception. Consequently they can communicate with top managers and controllers on a partner level within business intelligence projects.

### **BIS3512 - Multimedia Applications I (LN 5b)**

ID	BIS3512
Level	Advanced Level I
Credits	2 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Media Planning Data Formats Storyboard
Responsible:	Thesmann, Stephan
Catalog Entry	The course provides the basics for the conception and realization of a multimedia application and management of the development the multimedia application.

### **BIS3513 - Multimedia Applications II (LN 5b)**

ID	BIS3513
Level	Advanced Level I
Credits	3 Credits

Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Product Launch and Maintenance Project Management Test Methods
Responsible:	Thesmann, Stephan
Catalog Entry	The event is based on the event "Multimedia applications I". It consists of a lecture, methodical practices and realization of a project.

### **ESR3501 - Elective C: Economic and Social History - Part 2**

ID	ESR3501
Level	Advanced Level I
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The elective course Economic and Social History describes economic and social processes with the historic background.

### **ESR3502 - Elective C: European Economic Relations - Part 2**

ID	ESR3502
Level	Advanced Level I



Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The elective course European Economic Relations provides a fundamental introduction into the economic aspects of the European integration.

### **ESR3503 - Elective C: Environmental Economics - Part 2**

ID	ESR3503
Level	Advanced Level I
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLP
Examination time	90 minutes
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The second part of the elective course Environmental Economics covers the economic fundamentals and the topic environmental policy.

### **ESR3504 - Elective C: Business and Corporate Ethics - Part 2**

ID	ESR3504
Level	Advanced Level I
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/

Examination time	90 minutes
Language	German
category	Course
Discipline	Economics
Pedagogical Approach	Interactive approach
Catalog Entry	The second part of the elective course Business ethics covers the importance of the ethics and the global economic circumstances of the action of enterprises and entrepreneurs.

<b>GMT3502 - Elective B: International Trade - Part 1</b>	
ID	GMT3502
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Language	English and German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Foreign trade
Responsible:	Freitag, Ulrich; Manthey, Manfred
Catalog Entry	This course covers the process of internationalization for companies, international marketing and foreign trade financing.
Content	<p>The course contains the following main topics:</p> <ol style="list-style-type: none"> <li>1. The process of internationalization for companies: exporting, importing, license business, BOT-contracts, counter trade, forms of investment in foreign countries (joint venture, mergers, acquisitions), contract manufacturing, risk management in foreign trade</li> <li>2. International Marketing: market research for foreign markets, international product, price, distribution, communication and service policy</li> </ol>

	3. Foreign trade financing: international payment transactions, documentary collection, letter of credit, bank guarantees in foreign trade, foreign exchange trade, hedging, forms of foreign trade financing, export credit insurance.
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<b>GMT3504 - Elective B: Bank Management - Part 1</b>	
ID	GMT3504
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Banking Investment fund Stocks Capital market Loan security
Catalog Entry	<p>Banking Management covers a broad field. The products of banking are often invisible and intangible, but have impacts on many different business areas (e.g. law and regulations, finance, marketing, organization). The continuous changes in banking with respect to technology, regulations, risks and competition present challenges which a bank manager must solve. A broad knowledge base and good skills are needed to meet these challenges. The course covers all relevant topics of banking business with strong emphasis on the risks, particularly interest and default risks. The course is subdivided in 4 parts:</p> <ul style="list-style-type: none"> <li>• The Banking System (Structure and Functions of a Bank, Regulations of Money and Banking).</li> <li>• Bank Services (Payment Transactions; Deposit Services; Non-deposit Investment Products in Banking; Bank Lending – Policies, Procedure and Case Studies; Agency Business).</li> <li>• Banking Policy and Bank Marketing Strategy (Banking Policy; Bank Marketing Strategy).</li> <li>• Bank Performance, Risk Management and Portfolio Management.</li> </ul>

<b>GMT3506 - Elective B: Management of the Industrial Enterprise - Part 1</b>	
ID	GMT3506
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Production Planning Product program Procurement Process Product innovation Quality Management
Catalog Entry	The course contains the following main topics: a brief history of production, payment systems, methods of production, investment planning, material resource planning, capacity planning, industrial research and design, planning for innovation, program planning, outsourcing, productions planning and scheduling and quality management.

<b>GMT3508 - Elective B: Management of the Retail Enterprise - Part 1</b>	
ID	GMT3508
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Retail Wholesale Service Merchandising
Catalog Entry	This course includes, the basics of retailing in particular the company form and functions, problems relating to competition law, decision making in retail/wholesale (purchasing, warehousing, pricing, advertising, service

	provision), information and controlling systems.
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**LAW3501 -**

**Semester 6**

**BIS3505 - Object-Oriented Systems-Analysis and -Design (LN 3.2)**

ID	BIS3505
Level	Advanced Level I
Credits	4 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	UML Design patterns OOP OOA OOD
Responsible:	Rau, Karl-Heinz
Catalog Entry	Subject of this course are process models for object-oriented software development, business process modeling and requirements analysis in the inception phase, requirements analysis, analysis and design models in the elaboration phase, principles and rules for the design of the human-computer-interaction, selected aspects of computer aided software engineering (CASE) and model driven architecture (MDA), concepts to design of the system architecture, selected design patterns with examples and implementation of an example using Java

**BIS3506 - Project Management (LN 4)**

ID	BIS3506
Level	Advanced Level I
Credits	1 Credits
Hours per week	2

Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Phase Models Multi Project Management Project Co-ordination Project Management
Responsible:	Morelli, Frank
Catalog Entry	Students can carry out planning and structuring of complex projects based on methods. Doing exercises in teams enables them to acquire cooperative and coordinative competences. Accordingly they are able to settle projects methodically.

#### **BIS3507 - Advanced Database Systems (LN 4)**

ID	BIS3507
Level	Advanced Level I
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin

#### **BIS3510 - Advanced Programming (LN 6.1a)**

ID	BIS3510
Level	Advanced Level I

Credits	1 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Kirn, Martin

<b>BIS3514 - Programming of multimedia applications (LN 6.1b)</b>	
ID	BIS3514
Level	Advanced Level I
Credits	3 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Streaming data Applet/Servlet Concurrency
Responsible:	Burkard, Werner
Catalog Entry	Using object oriented Java programming to build distributed multimedia applications. Using the JMF (Java Multimedia Framework)
Content	<ul style="list-style-type: none"> <li>• Event-Handling and Multithreading in Java</li> <li>• User defined dialog elements</li> <li>• Simple animations and Bitmap-Handling</li> <li>• Sound and animations in applets</li> <li>• Basic concepts of the Java Multimedia Frameworks JMF</li> </ul>

	<ul style="list-style-type: none"> <li>• Streaming data using RTP</li> </ul>
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<b>BIS3515 - Advanced Computer Networks (LN 6.2b)</b>	
ID	BIS3515
Level	Advanced Level I
Credits	3 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Burkard, Werner
Catalog Entry	Internet technology, protocols, concepts. Network exercises
Content	<ul style="list-style-type: none"> <li>• Management and administration of computer networks</li> <li>• Application layer protocols in the TCP/IP - suite</li> <li>• Basic internet protocols IP / ICMP / TCP / UDP</li> <li>• Routing and switching data packets in the internet</li> <li>• Exercises in the network lab</li> </ul>

<b>ECO3504 - Economics Workshop</b>	
ID	ECO3504
Level	Advanced Level I
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLH+PLR
Language	German
category	Course



Discipline	Economics
Pedagogical Approach	Interactive approach
Responsible:	Wienert, Helmut
Catalog Entry	Within this seminar the students have to work on current economic issues. The students have to submit a term paper and they have to make a presentation about it in classroom.
Usability in other courses	

### **GMT3501 - Strategic Management**

ID	GMT3501
Level	Advanced Level I
Credits	3 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLM/PLR/PLH
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Interactive approach
Catalog Entry	The course considers the basic strategic problems which a company has to address and the principles and instruments currently used to explain and solve these problems. The content of the course includes the following Topics: Introduction to strategic management, the strategic options, the company audit, value-chain analysis, benchmarking, industry analysis, competitor analysis, evaluation of the strategic position, futures analysis, company culture and mission statement.
Content	The term "Strategy" means different things to different people depending upon the size of a company, prevalent time horizon, environmental situation etc. Nonetheless, a starting situation, an end scenario and the way in which these two situations are bridged remain the essentials of the strategic management process. We will approach the overall problem from a processual standpoint. The main question in the strategic development process - formulation, communication, implementation and review - will be addressed in a chronological sequence. The answers

	<p>to the ensuing questions will be developed with the assistance of a number of analytical instruments which structure and simplify the situation, thus enabling alternative solutions to be found and evaluated. These instruments constitute a tool-kit which can be applied to all possible combinations of companies and environments. However, it should be recognised that because of complexity of the strategic management task no "standard solutions" are available</p>
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<b>GMT3503 - Elective B: International Trade - Part 2</b>	
ID	GMT3503
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	English and German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Foreign trade
Responsible:	Freitag, Ulrich; Manthey, Manfred
Catalog Entry	This course covers the process of internationalization for companies, international marketing and foreign trade financing.
Content	<p>The course contains the following main topics:</p> <ol style="list-style-type: none"> <li>1. The process of internationalization for companies: exporting, importing, license business, BOT-contracts, counter trade, forms of investment in foreign countries (joint venture, mergers, acquisitions), contract manufacturing, risk management in foreign trade</li> <li>2. International Marketing: market research for foreign markets, international product, price, distribution, communication and service policy</li> <li>3. Foreign trade financing: international payment transactions, documentary collection, letter of</li> </ol>

	credit, bank guarantees in foreign trade, foreign exchange trade, hedging, forms of foreign trade financing, export credit insurance.
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<b>GMT3505 - Elective B: Bank Management - Part 2</b>	
ID	GMT3505
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Banking Investment fund Stocks Capital market Loan security
Catalog Entry	<p>Banking Management covers a broad field. The products of banking are often invisible and intangible, but have impacts on many different business areas (e.g. law and regulations, finance, marketing, organization). The continuous changes in banking with respect to technology, regulations, risks and competition present challenges which a bank manager must solve. A broad knowledge base and good skills are needed to meet these challenges. The course covers all relevant topics of banking business with strong emphasis on the risks, particularly interest and default risks. The course is subdivided in 4 parts:</p> <ul style="list-style-type: none"> <li>• The Banking System (Structure and Functions of a Bank, Regulations of Money and Banking).</li> <li>• Bank Services (Payment Transactions; Deposit Services; Non-deposit Investment Products in Banking; Bank Lending – Policies, Procedure and Case Studies; Agency Business).</li> <li>• Banking Policy and Bank Marketing Strategy (Banking Policy; Bank Marketing Strategy).</li> <li>• Bank Performance, Risk Management and Portfolio</li> </ul>

	Management.
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<b>GMT3507 - Elective B: Management of the Industrial Enterprise - Part 2</b>	
ID	GMT3507
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course
Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Production Planning Product program Procurement Process Product innovation Quality Management
Catalog Entry	The course contains the following main topics: a brief history of production, payment systems, methods of production, investment planning, material resource planning, capacity planning, industrial research and design, planning for innovation, program planning, outsourcing, productions planning and scheduling and quality management.

<b>GMT3509 - Elective B: Management of the Retail Enterprise - Part 2</b>	
ID	GMT3509
Level	Advanced Level II
Credits	5 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK
Examination time	90 minutes
Language	German
category	Course

Discipline	Business Administration
Pedagogical Approach	Lecture
Key words	Retail Wholesale Service Merchandising
Catalog Entry	This course includes, the basics of retailing in particular the company form and functions, problems relating to competition law, decision making in retail/wholesale (purchasing, warehousing, pricing, advertising, service provision), information and controlling systems.

### **GMT3511 - Management Seminar**

ID	GMT3511
Level	Advanced Level II
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLM/PLP/PLH/PLR
Language	German or English
category	Course
Discipline	Business Administration
Pedagogical Approach	Project Course

### **Semester 7**

### **Semester 8**

#### **BIS4501 - Project Course: Business Process/Applications (LN7.1 a)**

ID	BIS4501
Level	Advanced Level II
Credits	2 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German

category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Schuler, Joachim

### **BIS4502 - Groupware Systems (LN7.2 a)**

ID	BIS4502
Level	Advanced Level II
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Key words	Knowledge Management Groupware Enterprise Content Management
Responsible:	Porkert, Kurt
Catalog Entry	Enabling participants to understand benefits groupware applications
Content	<ul style="list-style-type: none"> <li>• Types and products of groupware</li> <li>• Groupware applications as tools for management knowledge</li> <li>• Information capturing</li> <li>• Information delivering</li> <li>• Information storing and preserving</li> </ul>

### **BIS4503 - Seminar: Business Process/Applications (LN 8a)**

ID	BIS4503
Level	Advanced Level II
Credits	4 Credits
Hours per week	2

Frequency	Every Semester
Kind of Examination	PLR/PLH/PLP
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Interactive approach
Responsible:	Thesmann, Stephan
Catalog Entry	The students receive an introduction into the technique of scientific work, especially written scientific works. The students elaborate a paper on a current subject from the subject organization/information systems which they present during the course.

#### **BIS4504 - Project Course: Multimedia and Communication (LN7.1 b)**

ID	BIS4504
Level	Advanced Level II
Credits	2 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Responsible:	Schuler, Joachim

#### **BIS4505 - Distributed Application Systems (LN 7.2b)**

ID	BIS4505
Level	Advanced Level II
Credits	4 Credits
Hours per week	2
Frequency	Every Semester

Kind of Examination	PLK/PLL
Examination time	60 minutes
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Lecture
Catalog Entry	Architecture of distributed systems and applications, fundamentals and concepts
Content	<ul style="list-style-type: none"> <li>• Distributed objects and components</li> <li>• Standards: Corba, OLE/DCOM, .NET, EJB, J2EE</li> <li>• Distribution using Java RMI</li> <li>• Distributed objects in the internet, Applets, Servlets, SOAP</li> <li>• Managing distributed systems</li> </ul>

#### **BIS4506 - Seminar: Multimedia and Communication (LN 8b)**

ID	BIS4506
Level	Advanced Level II
Credits	4 Credits
Hours per week	2
Frequency	Every Semester
Kind of Examination	PLR/PLH/PLP
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Interactive approach
Responsible:	Thesmann, Stephan
Catalog Entry	The students receive an introduction into the technique of scientific work, especially written scientific works. The students elaborate a paper on a current subject from the subject area multimedia which they present during the course.

#### **BIS4507 - Projects / Case Studies (LN 9)**

ID	BIS4507
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Level	Advanced Level II
Credits	3 Credits
Hours per week	4
Frequency	Every Semester
Kind of Examination	PLK/PLL
Language	German
category	Course
Discipline	Business Information Systems
Pedagogical Approach	Project Course
Responsible:	Burkard, Werner
Catalog Entry	Students can select from a wide range of project proposals. Projects typically are done in cooperation with corporations that have settled around the Pforzheim University

**COL4999 - Scientific Colloquium**

**ORA4997 - Oral Examination**

**THE4997 - Thesis**