

Module descriptors for English taught modules at Brandenburg University of Applied Sciences Summer semester (March – July)

Although we check all offers carefully and update them regularly changes might still occur due to short-term modifications. Version: 27th November 2020

Contents

Department of Business and Management: Bachelor modules	3
Human Resources and Organization	3
Basics of Process Modeling	5
Business Plan.....	7
Information Management	9
STUDIUM GENERALE: Ethics.....	12
Department of Business and Management: Master modules	13
International Corporate Governance: Implementation and Evaluation.....	13
Global Economics	17
Corporate Valuation and Financial Modelling	20
Strategic Management and Marketing.....	22
Cooperative Processes.....	23
DT I. Understand and apply design thinking – Focus on processes and products.....	25
Enterprise Knowledge Engineering	27
Innovation Management.....	28
Department of Informatics and Media: Bachelor modules	30
Communicative Competence	30
Operating Systems / Web Computing	31
Mathematics II.....	34
Formal Languages / Automata Theory	36
Multiple Computing Practicals	38
Mobile Applications and Systems.....	39
M-Health / Digital Signal Processing	41
Screen and Motion Design	42

Department of Informatics and Media: Master modules	42
Media Security	42
Media concepts/ media theory 2	43
Lab-Course Master Project I & II (Various topics).....	44
Department of Engineering	45
Numerical Methods for Engineers	45
Imaging methods.....	45
Laser Technology (LTE).....	46
Biophotonics	46
Laser Material Processing	46
Digital Image Analysis und Applications using Python	46
Additional Subjects	47
Profiling Germany	47
German as a Foreign Language A 1.....	48
German as a Foreign Language B 1	49
History of the city of Brandenburg.....	51

Department of Business and Management: Bachelor modules

Brief module label:	HR and Organization
Module description:	Human Resources and Organization
Division in teaching sessions, if applicable:	
Duration of module:	One semester
Classification in the curriculum:	BWL BA, 2nd semester, required module
Usability of the module:	The module can also be employed in other (Bachelor's) courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Katharina Frosch
Private lecturer:	Prof. Dr. Katharina Frosch
Language of instruction:	German <u>and/or</u> English (<i>Course language will be announced before the course starts</i>)
Prerequisites:	none
ECTS-Credits:	5
Total workload and its composition:	approx. 150 hours = 60 contact hours + 90 hours of self-study
Form of teaching/semester hours per week:	4 semester hours per week
Study and examination achievements:	Written final examination (90 min.) <u>or</u> grading of seminar paper and presentation
Weighting of the grade in the overall grade:	According to the regulations of studies and examinations or $0.7 \cdot (1/30) = 2.33\%$
Learning outcomes:	<p>Students gain a broad understanding on individual behaviour in groups and organizations.</p> <p>They acquire practical competencies in practical issues of human resource management. In this context, they can critically discuss the interplay of "hard" and "soft" factors in human resource management.</p>

	After the course, students are also able to systematically analyse organizational issues and to apply basic instruments for organizational design and development.
Contents:	<p>Topics are for example</p> <ul style="list-style-type: none"> • Behaviour in groups and organizations (motivation, team work, leadership, learning) • Core functions of human resource management (e.g. recruitment and selection, personnel development, compensation & benefits, personnel layoffs) • Organizational theory, design and development (e.g. structural organization and internal cooperation, power and politics, organizational learning, organizational change) <p>Throughout the course, the lecturer facilitates students' own exploration. Main issues are discussed, summarized and recapitulated during the course. Based on this, students independently work on case studies, present their solutions and reflect them critically.</p>
Teaching and learning methods:	Seminar-style lecture with business examples, group work and independent work on case studies.
Literature:	<p>Berthel, J., Becker, F. (2013). Personalmanagement. 10. Auflage, Stuttgart: Schäffer-Poeschel.</p> <p>Böhmer, N.; Schinnenburg, H.; Steinert, C.: Fallstudien im Personalmanagement. Entscheidungen treffen, Konzepte entwickeln, Strategien aufbauen. München: Pearson.</p> <p>Bröckermann, R. (2012). Personalwirtschaft: Lehr- und Übungsbuch für Human Resource Management. Stuttgart: Schäffer-Poeschel.</p> <p>Clegg, S. R., Kornberger, M., & Pitsis, T. (2011). Managing and organizations: An introduction to theory and practice. London: Sage.</p> <p>Jones, G. R., & Bouncken, R. B. (2008). Organisation: Theorie, Design und Wandel. München: Pearson.</p> <p>Jones, G. R. (2010). Organizational theory, design, and change. Upper Saddle River: Pearson.</p> <p>Kauffeld, S. (2011, Hrsg.). Arbeits-, Organisations- und Personalpsychologie für Bachelor. Heidelberg u.a.: Springer.</p> <p>Kluckow, N., & Becker, M. (2011). Fallstudien für Human Resources Management, Band I + II. München u.a.: Rainer Hampp Verlag.</p> <p>Robbins, S. (2001). Organisation der Unternehmung (9. Auflage). München: Pearson Studium.</p>

	<p>Robbins, S., Judge, T. A. (2013). Organizational Behaviour (15th ed.). Boston: Prentice Hall.</p> <p>Rowold, J. (2013, Hrsg.). Human Resource Management: Lehrbuch für Bachelor und Master. Human Resource Management. Heidelberg u.a.: Springer.</p>
Additional information:	Depending on the availability: involvement of guest speakers, excursions (e.g. labour court)

Module no./code:	WB120
Module description:	Basics of Process Modeling
Division into teaching sessions, if applicable:	//
Duration of module:	One semester
Classification in the curriculum:	WI Ba, 2nd semester, core module
Usability of the module:	Serves for the preparation of courses based on this, in particular about the operationalization of processes.
Frequency offered:	Every academic year, summer term
Module leader:	Prof. Dr. Vera G. Meister
Lecturer:	Prof. Dr. Vera G. Meister, Prof. Dr. Dietmar Wikarski
Language of instruction:	German and English
Prerequisites:	Basic knowledge of system analysis
ECTS credits:	5
Total workload and composition of course:	<p>150 hours, of which approx.</p> <ul style="list-style-type: none"> - 30 hours attendance lectures - 15 hours attendance exercises - 15 hours of supervised project work - 45 hours of self-study and exam preparation - 45 hours of independent project work
Form of teaching/semester hours per week:	4 semester hours per week = 2 lecture + 2 exercises
Study and examination requirements:	Assessment during the semester, project and final test (60 minutes)

Weighting of the grade in the overall grade:	According to SER
Learning outcomes:	The students understand the requirements and problem areas in the management of business and cooperation processes. They have basic competences in the analysis and modeling of business and cooperation processes in the practical field. The students master the basics of the standard notation specified by the OMG for modeling business processes BPMN 2.0. They gain experience in planning and implementing projects for process modeling according to KSA and BPMN 2.0. They can use software tools for process management in practical questions or projects in a targeted and systematic way.
Contents:	<ul style="list-style-type: none"> • Introduction to process modeling: Views on processes, motivation for modeling, modeling objects, proprietary notations, standard notations, modeling tools • Introduction to BPMN 2.0: BPMN elements - flow objects, participants, data, connecting elements, artifacts; simple process models: linear processes, branched processes, standard flows and implicit gateways • BPMN Method and style according to Bruce Silver: multi-step method - define process framework, design Happy Path, add exception paths, expand subprocesses, add message flows to external participants, add data objects; style principles and basic application rules for BPMN 2.0 • Specification of BPMN flow objects: technical specification framework BPMN-XML, specification of triggers for catching events, specification of process states for throwing events, specification of tasks and activities regarding type and frequency of execution, special types of gateways - event-based XOR gateway, inclusive OR gateway, complex gateway • Exception handling in BPMN 2.0: Attached intermediate events, event subprocesses, categories of exceptions in business processes, throw-catch patterns for error events, escalation events, message and signal events, exception forwarding pattern • Advanced topics: Loops and multiple instantiation, transactions and compensations, types of BPMN process diagrams, comparison of descriptive and analytical modeling, outlook executable modeling • Survey, analysis and modeling of real business processes according to KSA and BPMN 2.0: Communication with stakeholders, elicitation of requirements, functional and technical analysis of processes, modeling of actual and target processes, implementation of process models in a platform, documentation of process information, presentation of results to stakeholders.
Teaching and learning methods:	<ul style="list-style-type: none"> • Seminar-like lectures • Practical exercises and consultations • Multiple choice self-tests • Tool tutorials and presentations • Project work in groups and small groups

	<ul style="list-style-type: none"> • Student presentations • Video lectures
Literature:	<ul style="list-style-type: none"> • Andreas Gadatsch: Grundkurs Geschäftsprozess-Management – Methoden und Werkzeuge für die IT-Praxis. 7th Ed., 2012. • Object Management Group: BPMN 2.0 – Technical Specification, www.omg.org/spec/BPMN/2.0/PDF, 2011. • Jakob Freund, Bernd Rücker: Praxishandbuch BPMN – Mit einer Einführung in CMMN und DMN. 5th Ed., 2017. • Thomas Allweyer: BPMN 2.0 Business Process Model and Notation – Einführung in den Standard der Geschäftsprozessmodellierung. 3rd Ed., 2015. • Bruce Silver: BPMN Method & Style – With BPMN Implementor’s Guide. 2nd Edition, 2011.
Additional information:	Practical project in a university or corporate environment

Brief module label:	Business plan
Module description:	Business Plan
Division in teaching sessions, if applicable:	Project paper/Lecture
Duration of module:	One semester
Classification in the curriculum:	BWL BA, 4th semester, required module
Usability of the module:	The module can also be employed in other (Bachelor’s) courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. rer. pol. Cord Siemon
Private lecturer:	N.N.
Language of instruction:	Englisch
Prerequisites:	None
ECTS-Credits:	5
Total workload and its composition:	150 hours of workload, comprising period of attendance: lecture and project paper
Form of teaching/semester hours per week:	4 semester hours per week Lecture/Project assistance
Study and examination achievements:	Preparation of Business Plan and presentation/oral examination

Weighting of the grade in the overall grade:	According to the regulations of studies and examinations or $0.7 \cdot (1/30) = 2.33\%$
Learning outcomes:	<p>The students</p> <ul style="list-style-type: none"> • acquire knowledge about the soft factors needed for start-up business plans, and they can characterize these appropriately with hard facts, • can recognize and evaluate the success factors and hurdles encountered in the start-up process, • can derive strategies of action for a start-up plan and the development of network structures, • possess summarily the technical and methodical competence for evolving an implementable business in team while taking into consideration all relevant areas of planning; they also master particularly the quantitative evaluation methods in order to become a competent negotiating partner in the acquisition of capital.
Contents:	<p>The team will prepare a start-up plan:</p> <ul style="list-style-type: none"> • Team formation, task sharing • Search for ideas, assessment, development of the product / the service • Market analysis: Market size and segments, customers, other competitors, partners • Development of marketing strategy and marketing mix • Selection of legal form, analysis taxation conditions • Planning of organization and individual steps of building up an enterprise • Capital requirement estimation and financing planning • Analysis of liquidity, result and profitability
Teaching and learning methods:	<p>The development of a Business Plan has 3-stages:</p> <ol style="list-style-type: none"> 1. Generation of ideas 2. Marketing concept 3. Organizational and financing concept <p>The above points are worked out mostly on the basis of cases with brief introduction to each section of the business plan. The groups consist of 3 – 5 participants. The method of primary and secondary researching points to a case. The plans are drafted in the lab, using a Business Plan software application. If possible, the plans are placed in a regional or nationwide competition.</p>
Literature:	<p>Birley, S., Muzyka, D. F., Mastering Entrepreneurship, Harlow 2000</p> <p>De, D.: Entrepreneurship - Gründung und Wachstum von kleinen und mittleren Unternehmen [Entrepreneurship – Establishment and Growth of Small and Medium-scale Enterprises], Pearson-Studium (Pearson-Education), Boston,</p>

	<p>San Francisco, Sydney, Madrid, Amsterdam, Munich 2005. Nagl, A., Der Businessplan [The New Business Plan], Wiesbaden 2005. Fueglistaller, U. et al., Entrepreneurship, Wiesbaden 2004. Schefczyk, M., Pankotsch, F., Betriebswirtschaftslehre junger Unternehmen [Business Management for Young Entrepreneurs], Stuttgart 2003. Kuratko, D. F., Hodgetts, R. M., Entrepreneurship - Theory, Process, Practice, Mason 2004.</p>
Additional information:	Working with Business Plan software, e.g. UGS, interdisciplinary groups

Brief module label:	Informationsmanagement
Module description:	Information Management
Division in teaching sessions, if applicable:	Module, lecture, exercise
Duration of module:	One semester
Classification in the curriculum:	WI Ba, 4th semester, required module
Usability of the module:	The module summarizes competences of some modules from the previous semester, particularly the fundamentals and effects of Business Informatics, the system analytical competences, the fundamentals of process modelling and project management. It is also the preparatory course for the subsequent advanced courses, especially the software selection and customization and the Bachelor's Thesis.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Andreas Johannsen
Private lecturer:	Prof. Dr. Andreas Johannsen
Language of instruction:	German, for exchange students projects in English
Prerequisites:	None
ECTS-Credits:	5
Total workload and its composition:	150 hours = 60 hours of attendance and 90 hours of self-study
Form of teaching/semester hours per week:	<p>Lecture: 2 semester hours per week</p> <p>Exercise: 2 semester hours per week</p>

	Total: 4 semester hours per week
Study and examination achievements:	Presentation, other writing assignments
Weighting of the grade in the overall grade:	1/3 of the subject grade; 7% of all subject grades; 2.33% of the final grade
Learning outcomes:	<p>Lecture and exercise: The students will be able to describe the objective of Information Management in regard to its problems and tasks and be familiar with the terminology and the basics of the term Information. They know various concepts and models of Information Management and are able to evaluate them according their adaptation. They are able to explain the level model of Information Management with examples. They know the lifecycle of Information Management and are able to commute this to practical cases of application. They are able to explain the terminological aspects and differentiate the perspectives according to the need of information.</p> <p>They know the methods to ascertain the need for information and are able to apply the methods KEF and Balanced Scorecard practically. They know the tasks that are associated with the management of information sources and are able to classify them according to the lifecycle of Information Management.</p> <p>They are familiar with the methods of Information Organization and modelling and are able to demonstrate the method Semantic Web with an example.</p> <p>They know the criteria and concepts for managing the quality of information. Furthermore, they know the tasks and concepts of managing the offer of information and are able to bring this into the lifecycle of Information Management. They can critically assess the concept of value of information. They know the objective area and the tasks of management of Information Systems.</p> <p>They are able to explain and apply the tasks and methods of management of data and the processes.</p> <p>They are able to explain the terminology like Reference Model and Meta Model and differentiate them.</p> <p>They know the concept of application lifecycle and the tasks which are incidental to the lifecycle.</p>

	<p>They are able to explain, evaluate and apply the methods of software selection, of evaluation of licence models and software development.</p> <p>They know the alternatives to software introduction and are able to outline it with an example. They are able to explain the method of IS Portfolio and apply it on a concrete case.</p> <p>They know the tasks and decision leeway of the executive's responsibilities in regard to the IM, they are able to understand the meaning of Governance and the role of the CIO. They can identify sourcing alternatives in the management of performance and evaluate knowledge around the problem area of IT Controlling, and IT in terms of its value.</p>
<p>Contents:</p>	<p>Basic terminology, concepts and model of Information Management</p> <p>Information flood, lifecycle of Information Management, management of information demand</p> <p>Management of information sources and information resources</p> <p>Management of Information Offer and Information usage</p> <p>Information System Management: Management process, Data, processes</p> <p>Management of application lifecycle</p> <p>Management of application development projects</p> <p>Management of ITC: Maintenance and operation of ITC</p> <p>Acquisition of ITC</p> <p>Management of storage and communication, security</p> <p>Organization of IM, CIO, Sourcing</p> <p>Strategy and IM: enable - align</p>
<p>Teaching and learning methods:</p>	<p>Lecture using a combination of media (transparencies, blackboard work, demonstrations, etc.), accompanying exercises with home assignments and group work, Internet search, exercises on the computer</p>
<p>Literature:</p>	<p>H. Krcmar: Informationsmanagement [Information Management], Springer Verlag, 5th ed., Berlin, Heidelberg, 2010.</p>

Additional information:	The course will be supplemented by a keynote lecture by a Chief Information Officer or Chief Executive Officer from practical life and by excursion (typically to an enterprise and IT Consulting like: Cap Gemini in the Summer Semester 2012).
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Module no./code:	
Module description:	STUDIUM GENERALE: Ethics
	5 ECTS , Projects for exchange students in English available (i.e. Lectures mainly in German, but texts, group works and the exam will be offered in English upon request).
Contents:	<p>The course offers an introduction to ethics including business ethics.</p> <p>Topics covered include:</p> <ul style="list-style-type: none"> • The phenomenon of human morality • The stance of morality • Current trends in happiness research • Nature and nurture • Morality and economic decision making • Stakeholder theory • Regulation of economic behavior <p>The class is organized as a mixture of lectures, discussions and presentations. We will use research papers, articles from magazines and newspapers as well as movies as background material for the course. A list of material will be provided in the first class of the semester (If possible, material will be uploaded to Moodle).</p> <p>Students are expected to participate in discussions in class and to prepare an extended presentation on a topic assigned/ chosen in the first class of the semester (group work).</p>

Master modules

Brief module label:	Int.Corp.Gov: Implementation-Evaluation
Module description:	International Corporate Governance: Implementation and Evaluation
Division in teaching sessions, if applicable:	Lecture
Duration of module:	One semester
Classification in the curriculum:	BWL Ma, 2nd semester, elective module Dept. A
Usability of the module:	The module can also be employed in other (Master's) courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Jürgen Schwill Prof. Dr. Mareike Kühne
Private lecturer:	Prof. Dr. Jürgen Schwill Prof. Dr. Mareike Kühne
Language of instruction:	German. For exchange student a project work in English possible. (i.e. Lectures mainly in German, but texts, group works and the exam will be offered in English upon request).
Prerequisites:	Sound knowledge of General Business Management and Business Law
ECTS-Credits:	6
Total workload and its composition:	approx. 150 hours = 60 hours of attendance and 90 ours of self-study
Form of teaching/semester hours per week:	4 semester hours per week, seminar lectures
Study and examination achievements:	Alternatively a written examination of 90 min. duration must be passed or a project (home assignment) followed by a presentation must be completed.
Weighting of the grade in the overall grade:	According to the regulations of studies and examinations or $0.7 \cdot (5/90) = 3.89\%$
Learning outcomes:	The students are able to evaluate, maintain and implement relevant Standards and Norms of Corporate Governance on

	<p>the basis of special rules. They can implement ethically founded alternatives of action in selected corporate functional areas; critically reflect on the possibilities for certification of the management and generate value management concepts.</p>
<p>Contents:</p>	<p>Part I: Standards and Norms for implementation</p> <ol style="list-style-type: none"> 1. Corruption and fighting corruption <ol style="list-style-type: none"> 1.1. Definition and meaning of corruption 1.2. Regulations against corruption 1.3. Prevention and disclosure of corruption 2. Other German Standards and Norms <ol style="list-style-type: none"> 2.1. Civil rights regulations incl. regulations for Corporate Governance 2.2 Liability law regulations 2.3. Criminal law regulations 3. Current developments <ol style="list-style-type: none"> 3.1. USA 3.2. EU: Development of new guidelines 3.3. Germany 4. Other rules and regulations <ol style="list-style-type: none"> 4.1. Banks: MAK, Basel II 4.2. Internal revision 4.3. Cursory study of other examples 5. Empirical investigations of Corporate Governance in practice 6. Outlook: The future development <p>Part II: Implementation and evaluation of value management</p> <ol style="list-style-type: none"> 1. Implementation of ethically founded alternatives of action in selected corporate functional areas <ol style="list-style-type: none"> 1.1. Approaches for ethical action in procurement and production

	<p>1.2. Approaches for ethical action in HR management functional areas</p> <p>1.3. Approaches for ethical action in marketing</p> <p>2. Possibilities of certification of management</p> <p>2.1. Evaluation scheme</p> <p>2.2. Auditing the target and intention for action by the management</p> <p>2.3. Auditing stakeholder relationships</p> <p>2.4. Auditing the management system</p>
Teaching and learning methods:	Lecture using a combination of media, case study discussions
Literature:	<p>Behringer, S. (Publ.): Compliance kompakt. Best Practice in Compliance-Management, Berlin 2010</p> <p>Beschorner, T.; Brink, A.; Schumann, O. (Publ.): Unternehmensethik. Forschungsperspektiven zur Verhältnisbestimmung von Unternehmen und Gesellschaft [Corporate Ethics. Research Perspectives to Determine Relationships between Enterprises and Society], Marburg 2007</p> <p>Diekmann, A.: Empirische Sozialforschung. Grundlagen, Methoden, Anwendungen [Empirical Social Research. Fundamentals, Methods, Applications], Hamburg 2007</p> <p>Göbel, E.: Unternehmensethik. Grundlagen und praktische Umsetzung [Corporate Ethics. Fundamentals and Practical Implementation], 3rd ed., Konstanz, München 2013</p> <p>Grüniger, S.; Fürst, M.; Pforr, S. et al. (Publ.): Verantwortung in der globalen Ökonomie gestalten. Governanceethik und Wertemanagement. Festschrift für Josef Wieland [Shaping Responsibility in the Global Economy. Governance Ethics and Value Management. Commemorative Publication for Josef Wieland], Marburg 2011</p> <p>Kinne, P.: Integratives Wertemanagement – Methodik zur Steuerungsoptimierung immaterieller Ressourcen im mittelständischen Unternehmen [Integrative Value Management – Methods for Controlling Optimization of Immaterial Resources in Medium-scale Enterprises], Wiesbaden 2009</p> <p>Küpper, H.-U.: Unternehmensethik. Hintergründe, Konzepte und Anwendungsbereiche [Corporate Ethics. Background, Concepts and Application Areas], 2nd ed., Stuttgart 2011</p> <p>Kuhlen, B.: Corporate Social Responsibility (CSR). Die ethische Verantwortung von Unternehmen für Ökologie,</p>

	<p>Ökonomie und Soziales. Entwicklung – Initiativen – Berichterstattung – Bewertung [The Ethical Responsibility of Enterprises for Ecology, Economy and Society. Development – Initiatives – Reporting - Evaluation], Baden-Baden 2005</p> <p>Naef, J.: Eine Management-Ethik – Für eine verantwortungsbewusste Unternehmensführung [A Management Ethics – For a responsible Corporate Governance], Munich 2010</p> <p>Paetzmann, K.: Corporate Governance. Strategische Marktrisiken, Controlling, Überwachung [CG. Strategic Market Risks, Controlling, Monitoring], 2nd ed., Berlin 2012</p> <p>Ringleb, H.-M.; Kremer, T.; Lutter, M.; v. Werder, A.: Deutscher Corporate Governance Kodex. Kommentar [German Corporate Governance Codex. Commentary], Munich 2003</p> <p>Schmidt, M.; Beschorner, T. (Publ.): Werte- und Reputationsmanagement [Values and Reputation Management], Mering 2005</p> <p>Schnell, R.: Methoden der empirischen Sozialforschung [Methods of empirical Social Research], Munich 2007</p> <p>Strieder, T.: DCGK Deutscher Corporate Governance Kodex [German Corporate Governance Codex], Bielefeld 2005</p> <p>Tanski, J. S.; Radtke, C.; Uhlemann, C.: Managerhaftung und Risikomanagement [Management's Liability and Risk Management], Munich 2009</p> <p>Warncke, M.: Prüfungsausschuss und Corporate Governance [Board of Examiners and CG], Berlin 2005</p> <p>Wieland, J. (Publ.): Handbuch Wertemanagement. Erfolgsstrategien einer modernen Corporate Governance [Manual of Value Management. Success Strategies of a modern CG], Hamburg 2004</p> <p>Wieland, J.; Steinmeyer, R.; Grüninger, S. (Publ.): Handbuch Compliance-Management. Konzeptionelle Grundlagen, praktische Erfolgsfaktoren, globale Herausforderungen [Manual of Compliance Management, Conceptual Fundamentals, practical success factors, global challenges], Berlin 2010</p> <p>Wilsing, H.-U. (Publ.): Deutscher Corporate Governance Kodex [German CGC], Munich 2012</p> <p>Witt, P.: Corporate Governance -Systeme im Wettbewerb [CG – Systems in Competition], Wiesbaden 2003</p>
Additional information:	<p>Various guest lecturers (e.g. from Deutsche Bank, KPMG,), joint visit e.g. to Annual Meeting of the European Accounting Association</p>

Module no./code:	BM320
Module description:	Global Economics
Division into teaching sessions, if applicable:	//
Duration of module:	One semester
Classification in the curriculum:	BWL MA, 2nd semester, required module
Usability of the module:	//
Frequency offered:	Every academic year
Module leader:	Prof. Dr. Bettina Burger-Menzel
Lecturer:	Prof. Dr. Bettina Burger-Menzel
Language of instruction:	English
Prerequisites:	Basic economics
ECTS credits:	6
Total workload and composition of course:	180 hours = 60 hours of attendance and 120 hours of self-study
Form of teaching/semester hours per week:	4 semester hours per week
Study and examination requirements:	Written examination (90 min.)
Weighting of the grade in the overall grade:	According to the study and examination regulations
Learning outcomes:	<p>After the successful completion of the module, students will be able to understand the global networking of corporations, nation states and international organisations in their causal complexity, and to logically link and critically discuss recent developments in the field of economic, ecological and social sustainability.</p> <p>In detail:</p> <p>The students will be capable of categorising global economic networks.</p> <p>They will have the technical and methodical understanding to analyse and critically discuss the entrepreneurial strategy of global supply chains with its motives and consequences for</p>

	<p>globalisation activities for countries of origin and target countries.</p> <p>They will be able to describe state regionalisation strategies along with their motives and consequences, and to identify and understand potential problems for the capacity to act democratically.</p> <p>They will be able to recognise and classify the influence of international organisations, and the influence of agreements that are significant for the international cooperation of states and for the global activities of companies.</p> <p>They will be able to reflect on the importance of (inter)nationally recognised principles and guidelines for economic, ecological and social sustainability from the point of view of the various stakeholders and critically discuss their potential effectiveness.</p>
<p>Contents:</p>	<ul style="list-style-type: none"> • Introduction to the globalisation of production • Introduction to the globalisation of markets • Introduction to the globalisation of politics • Actors and types of general international frameworks • Companies as drivers of globalisation: The case of global value-added chains • Governments as drivers of globalisation: The EU as a case of regionalisation • International organisations as drivers of globalisation: The cases of intellectual property and global sustainability • Concluding general international frameworks: Risks and opportunities
<p>Teaching and learning methods:</p>	<p>Mix of lecture and group work; presentations by students; case studies; preparation based on reading list, problem-based learning</p>
<p>Literature:</p>	<p>Blinder, A. S. (2007). "How Many U.S. Jobs Might Be Offshorable?" CEPS Working Paper (142), pp. 1-12, 34-35</p> <p>Fortwengel, J. (2010), Upgrading through Integration? The Case of the Central Eastern European Automotive Industry, Transcience Journal 2 (1).</p> <p>Gereffi, G. (2006). "The new offshoring and global development of jobs." ILO Social Policy Lectures, pp. 1-16</p> <p>Godart, O., Görg, H. and Görlich, D. (2009). Back to Normal? The Future of Global Production Networks. The Crisis and Beyond. Klodt, H. and Lehment, H. Kiel, IfW Kiel: 119-126.</p> <p>Haar, K., C. Christine Pohl, et al. (2009). A captive commission - the role of the financial industry in shaping EU</p>

	<p>regulation, Alliance for Lobbying Transparency and Ethics Regulation (ALTER-EU)</p> <p>Head, J. W. (2005). The future of the global economic organizations: an evaluation of criticisms leveled at the IMF, the multilateral development banks, and the WTO. Ardsley, N.Y., pp. 16-30, 46-59</p> <p>Hirst, P. and G. Thompson (1996). Globalization in question: The international economy and the possibilities of governance. Cambridge, pp. 1-17</p> <p>Igan, D., P. Mishra, et al. (2009). "A Fistful of Dollars: Lobbying and the Financial Crisis." IMF Working Paper (287) , pp. 4-8, 26-27</p> <p>Jovanovic, M. (2011). Globalisation: an anatomy. International handbook on the economics of integration, Vol. I: General issues and regional groups. M. Jovanovic. Cheltenham, Northampton, Edward Elgar: 239-276.</p> <p>Levy, F. and K.-H. Yu (2007). "Offshoring Radiology Services to India." Industry Studies Association Working Papers(33)</p> <p>Lloyd, P. E. (2010). "Global economic integration." Pacific Economic Review 15(1): 71–86</p> <p>Nugent, N. (2010). The Government and Politics of the European Union. Basingstoke, pp. 419-430</p> <p>Pelkmans, J. (2006). European integration - Methods and economic analysis. Harlow et al., pp. 2-13, 53-62</p> <p>Pilbeam, K. (2010), Finance and Financial Markets. Houndsmill, Basingstoke, Chapter 18, pp. 459-465</p> <p>Ricketts, M. (2008). Economic regulation: principles, history and methods. International handbook on economic regulation. M. A. Crew and D. Parker. Cheltenham, pp. 34-62</p> <p>Ritzer, G. (2009), Globalization: A Basic Text, Chichester, Chap. 8</p> <p>Ritzer, G. (2011), Globalization: The Essentials, Chichester, Chap. 3</p> <p>Sturgeon, T. J., J. v. Biesebroeck, et al. (2008). "Value Chains, Networks, and Clusters: Reframing the Global Automotive Industry." ITEC Working Paper Series (08-02), pp. 7-27</p>
Additional information:	Student and learning centred approach

Brief module label:	Corporate Valuation and Financial Modelling
Module description:	Corporate Valuation and Financial Modelling
Division in teaching sessions, if applicable:	Lecture
Duration of module:	One semester
Classification in the curriculum:	BWL MA, 2nd semester, elective module Dept. B
Usability of the module:	The module can also be employed in other (Master's) courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Andreas Wilms
Private lecturer:	N.N.
Language of instruction:	English
Prerequisites:	None, basic knowledge of the module Finance and Policy
ECTS-Credits:	6
Total workload and its composition:	150 hours of workload: approx. 50 contact hours, approx. 40 hours of preparation and follow-up, 7.5 working days = 60 hours of preparation for examination
Form of teaching/semester hours per week:	4 semester hours per week/ lecture
Study and examination achievements:	Written examination (70%) and Case Study presentation (30%)
Weighting of the grade in the overall grade:	According to the regulations of studies and examinations or $0.7 \cdot (5/90) = 3.89\%$
Learning outcomes:	The students train instruments that are necessary for the management of a company's financial sphere. They are enabled to prepare a financial plan, to manage liquidity (treasury) and to calculate business cases. They can develop and monitor financial reports and interpret financial ratios. The students are able to identify financial risks and know strategies and instruments to mitigate these risks. They are to consider both aspects of value orientation and aspects of sustainability in their finance decisions. Furthermore they know how to plan and perform communication with investors.

<p>Contents:</p>	<p>Financial Planning and Budgeting</p> <ul style="list-style-type: none"> - Treasury/Cash Management - NWC <p>Business Case Calculation</p> <ul style="list-style-type: none"> - Financial Model <p>Financial Analysis and Controlling</p> <ul style="list-style-type: none"> - Financial Ratios - Financial Reports <p>Holding Management</p> <p>International Financial Management</p> <ul style="list-style-type: none"> - Global Financial Markets - Risk Management Strategies - Derivatives and Hedging - Credit Risk <p>Value Based Management</p> <p>Investor Relations</p> <p>Sustainable Finance and Investment</p>
<p>Teaching and learning methods:</p>	<ul style="list-style-type: none"> - Lecture using a combination of media (transparencies, blackboard work, projector etc.) - Exercises in the lab, on the computer etc. - Case study discussion - Process a topic in groups and presentation
<p>Literature:</p>	<ul style="list-style-type: none"> - Ross, St.A.; Westerfield, R.W.; Jaffe, J.F.: Corporate Finance. 7th ed., McGraw-Hill 2005. - Ritter, J.; Röttgers, F.: The Definitive Guide to Getting Your Budget Approved. Solution Matrix 2008. - Harvard Business School Press: Developing a Business Case: Expert Solutions to Everyday Challenges. Perseus Books 2010. - Penman, S.H.: Financial Statement Analysis and Security Valuation. 5th ed., McGraw-Hill 2012. - Culp, C.L.: The Risk Management Process. John Wiley & Sons 2001. - Hull, J.C.: Options, Futures, and Other Derivatives. 8th ed., Prentice Hall 2011. - Young, S. D.; O'Byrne, St.E.: EVA and Value-Based Management: A Practical Guide to Implementation. McGraw-Hill 2000.
<p>Additional information:</p>	

Brief module label:	Strategic Management and Marketing
Module description:	Strategic Management and Marketing
Division in teaching sessions, if applicable:	Lecture
Duration of module:	One semester
Classification in the curriculum:	BWL MA, 2nd semester, core module
Usability of the module:	
Frequency of offering of modules:	Every academic year
Author:	Prof Jürgen Schwill
Private lecturer:	Prof Jürgen Schwill
Language of instruction:	German, for exchange students projects available in English
Prerequisites:	
ECTS-Credits:	6
Total workload and its composition:	150 hours of workload: approx. 50 contact hours, approx. 40 hours of preparation and follow-up, 7.5 working days = 60 hours of preparation for examination
Form of teaching/semester hours per week:	4 semester hours per week/ lecture
Study and examination achievements:	
Weighting of the grade in the overall grade:	
Learning outcomes:	
Contents:	
Teaching and learning methods:	-
Literature:	-
Additional information:	

Brief module label:	Kooperative Prozesse
Module description:	Cooperative Processes
Division in teaching sessions, if applicable:	Module, lecture, exercise
Duration of module:	One semester
Classification in the curriculum:	WI Ma, 2nd semester, required module
Usability of the module:	This module prepares the students for other courses, especially the elective subjects of specialization "Cooperative Systems".
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Andreas Johannsen
Private lecturer:	Prof. Dr. Andreas Johannsen
Language of instruction:	German, for exchange students English
Prerequisites:	None
ECTS-Credits:	6
Total workload and its composition:	180 hours = 72 hours of attendance and 108 hours of self-study
Form of teaching/semester hours per week:	Lecture: 2 semester hours per week Exercise: 2 semester hours per week Total: 4 semester hours per week
Study and examination achievements:	Seminar paper with presentation (50%), written examination (50%)
Weighting of the grade in the overall grade:	1/3 of the subject grade; 14% of all subject grades; 4.66% of the final grade
Learning outcomes:	The students acquire knowledge and skills in the management of cooperative Learning, Administrative, Know-how and Production processes, including the classification, evaluation and qualified use of software systems to support the same.
Contents:	<ol style="list-style-type: none"> 1. Basic terminology, Concepts, Organisation, Scientific Fundamentals 2. Ergonomics, Communication and Cooperation 3. Environment and Human behaviour, Group behaviour

	<ol style="list-style-type: none"> 4. Methods & Theories: Ethnography, Media theories, Moderation, Organisational theory 5. Distribution of data, database support 6. Middleware, Internet, Web 2.0 / 3.0 7. Cooperative scenarios: Teaching, Learning, Working, Teaching and learning methods: Leisure, play 8. Exercise 1: Cooperative application (e.g. MS Sharepoint) in the context of a company process (e.g. "Time recording"). 9. Exercise 2: Cooperative application (e.g. MS Sharepoint) in the context of a company process (e.g. "Supporting inter-company project management through a portal server") 10. Exercise 3: Cooperative application (e.g. MS Sharepoint) in the context of a company process (e.g. "Company document management with a document management system"). 11. Group work: scenario-based requirements definition and prototypical realisation of a cooperative system for a company's task 12. Group presentations
Teaching and learning methods:	Lecture with a combination of media (transparencies, blackboard work, demos), accompanying exercises with selected cooperative software system, group work, presentations.
Literature:	<p>Borghoff, Schlichter: Rechnergestützte Gruppenarbeit, Springer,</p> <p>Schwabe, Streit, Unland (Hrsg.): CSCW-Kompodium, Springer, 2001.</p> <p>And further literature (online-Reader with ca. 20 articles).</p> <p>Johannsen, A.; Kramer, A.; Kostal, H.; Sadowicz, E.: Basiswissen für Software-Projektmanager im sequenziellen und agilen Umfeld, dpunkt Verlag, 2017.</p> <p>Spichale, Kai: API Design, dpunkt 2017.</p> <p>Spillner, A.; Linz, Thilo: Basiswissen Softwaretest, Aus- und Weiterbildung zum Certified Tester Foundation Level nach ISTQB-Standard, 4. Auflage, dpunkt.verlag, 2010</p>
Additional information:	Along with the course two lectures with system demo from practical scenario are held regularly.

Module no./code:	WM545
Module description:	DT I. Understand and apply design thinking – Focus on processes and products
Division into teaching sessions, if applicable:	//
Duration of module:	One semester
Classification in the curriculum:	WI MA 2PndP semester, elective module
Usability of the module:	//
Frequency offered:	Every semester
Module leader:	Prof. Dr. Jochen Scheeg
Lecturer:	Prof. Dr. Jochen Scheeg
Language of instruction:	German / English
Prerequisites:	Knowledge from basic Bachelor's courses: <ul style="list-style-type: none"> • Introduction to business studies • Introduction to information management
ECTS credits:	6
Total workload and composition of course:	180 hrs. = 60 hrs. attendance and 120 hrs. self-study
Form of teaching/semester hours per week:	4 contact hours = lectures with workshops, presentations and project elements
Study and examination requirements:	Thesis review with oral examination. Credits acquired during the semester may be included in the grade.
Weighting of the grade in the overall grade:	According to SER
Learning outcomes:	Upon successful completion of this module, the students will have acquired knowledge of developing and creating new design and technology ideas. The students will develop pronounced problem-solving and assessment competence. These core competences are taught, in particular, with emphasis on process flows and design thinking. The students will master the theoretical principles in order to implement them cognitively, intuitively and creatively in their work. Students are able to create prototypes. This includes the preparation of drafts, the execution of feasibility analyses and possibly budgeting. The students will have honed their team skills and self-management through the set tasks. The students will have a strong knowledge of processes and products. This will enable them to independently analyse and evaluate studies. They will master the theoretical foundations of process analysis and will be able to deal critically with existing structures and their processes. They will develop their own

	<p>ideas with due consideration for the users, mostly through in-house analyses.</p> <p>The students will be able to carry out various analyses, in particular, regarding the behaviour and needs of the user. They will be able to develop solutions with particular consideration for user behaviour.</p> <p>They will generate ideas against the background of economic feasibility, carry out tests and implement the ideas of their prototypes.</p> <p>Students will be familiar with the basics of theory and practice of innovative processes. They will also have basic knowledge in the area of design thinking. Both support the students in finding solutions in the development process and in generating new ideas.</p> <p>They will be able to teach and represent selected methods and tools along the understanding / observing / point of view / brainstorming / prototyping / refinement chain. Students of different disciplines are trained in creative, networked and user-oriented thinking. The aim is to enable them to develop innovative and market-oriented products. Their ideas will be illustrated by prototypes and reviewed based on user and customer feedback.</p>
<p>Contents:</p>	<ul style="list-style-type: none"> • Special focus: Processes and products • Conducting ethnographic surveys, • Documentation and evaluation. • Focus on processes: Process analysis, questioning existing structures and processes, idea generation with due consideration for users (usually in-house analyses) • Focus on products: Analysis of user behaviour, analysis of needs, developing solutions with special consideration to user behaviour. • Idea generation within the framework of economic feasibility, testing and implementation in form of prototypes
<p>Teaching and learning methods:</p>	<ul style="list-style-type: none"> • Faculty lecture • Industry speakers • Blackboard, projector, flipchart, etc. • Group work • Workshops • Possible field trips
<p>Literature:</p>	<p>Brenner, Walter / Uebernicket, Falk – Design Thinking – Das Handbuch, 2015. Ambrose, Gavin / Harris, Paul - BASICS Design 08. DESIGN THINKING: the act or practice of using your mind to consider design.</p> <p>d.school @ Standford (2010). Bootcamp bootleg. Version 2. http://dschool.stanford.edu/wp-content/uploads/2011/03/BootcampBootleg2010v2SLIM.pdf</p>
<p>Additional information:</p>	<p>Very interactive lecture format with a high degree of creative freedom for students. Interdisciplinarity. High level of self-motivation is required.</p>

Module no./code:	WM524
Module description:	Enterprise Knowledge Engineering
Division into teaching sessions, if applicable:	//
Duration of module:	One semester
Classification in the curriculum:	WI MA 2 nd semester, compulsory module
Usability of the module:	//
Frequency offered:	Every academic year
Module leader:	Prof. Dr. Vera G. Meister
Lecturer:	Prof. Dr. Vera G. Meister
Language of instruction:	German / for exchange students projects and materials in English
Prerequisites:	Knowledge from bachelor studies: - Databases Modelling and Structuring - Software Engineering
ECTS credits:	6
Total workload and composition of course:	180 hours = approx. 60 hours of attendance, approx. 108 hours of self-study
Form of teaching/semester hours per week:	4 semester hours per week lectures with exercises, presentations and project work
Study and examination requirements:	Assessment during the semester, miniprojects
Weighting of the grade in the overall grade:	According to SER
Learning outcomes:	<p>The students can map business knowledge in companies and organizations standard-based and semantically clear using modern, web-based tools.</p> <p>They are familiar with the process of collecting, structuring, formalizing and technically specifying business knowledge in a domain.</p> <p>They can select suitable classes, relations and attributes from standard specifications and vocabularies for use cases and combine or extend them as required.</p> <p>Depending on the specific use case, they can select, configure and competently use suitable tools for representing and querying technically specified business knowledge.</p>
Contents:	<ul style="list-style-type: none"> • RDF data model and other relevant W3C standards, particularly RDFS, OWL, XSD and TURTLE as machine-readable serialization for RDF • Standard vocabularies, especially DC, FOAF, PROV, DEO as well as schema.org as the authoritative basic vocabulary for search engines on the Web • Important web-based projects for collaborative and community-driven structuring and awarding of

	<p>knowledge and facts, in particular DBpedia, WikiData, DOI, ORCID</p> <ul style="list-style-type: none"> • Web-based markup formats, especially RDFa 1.1, HTML Microdata and JSON-LD 1.1 • SPARQL 1.1 as powerful RDF query language: keywords, construction of WHERE clauses to query graph patterns, logical patterns and functions, federated queries • Methods and tools for knowledge modeling in an organizational environment: specification of requirements in the form of competence questions, schema rough design with CMap tools, fine modeling with Protégé, schema serialization with TURTLE and rdfEditor, implementations based on OntoWiki, Jena Fuseki and/or OntoGraph
Teaching and learning methods:	<ul style="list-style-type: none"> • Impulse lectures • Inverted Classroom • Practical exercises • Learning by Teaching • Specialist lectures • Miniproject for application
Literature:	<p>Harald Sack: Linked Data Engineering, Online Course on OpenHPI, https://open.hpi.de/courses/semanticweb2016</p> <p>Bob DuCharme: Learning SPARQL – Querying and Updating with SPARQL 1.1, 2nd Edition, 2013.</p> <p>D’Amato e. a. (Eds.): The Semantic Web – ISWC 2017. 16th International Semantic Web Conference, Proceedings.</p> <p>Matthew Horridge: A Practical Guide To Building OWL Ontologies Using Protégé 4 and CO-ODE Tools. Ed. 1.3, 2011.</p> <p>Various specifications and related web resources for vocabularies, standards and web projects (see content)</p>
Additional information:	//

Brief module label:	Innovation Management
Module description:	Innovation Management
Division in teaching sessions, if applicable:	
Duration of module:	One semester
Classification in the curriculum:	TIM MA, 1st semester, required module

Usability of the module:	The module can also be employed in other Master's courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Prof. Dr. Uwe Höft
Private lecturer:	Prof. Dr. Uwe Höft
Language of instruction:	English
Prerequisites:	
ECTS-Credits:	6
Total workload and its composition:	180 hours of workload, approx. 50 hours of attendance; approx. 60 hours of preparation and follow-up, approx. 70 hours of preparation for examination
Form of teaching/semester hours per week:	Lecture/ 4 semester hours per week
Study and examination achievements:	Written examination or defence of thesis or discussion
Weighting of the grade in the overall grade:	According to the regulations of studies and examinations
Learning outcomes:	The students learn the methods of the Innovation Management in the very phases of the innovation process and acquire the ability to apply these methods in the operative environment.
Contents:	<ul style="list-style-type: none"> • Basics of the Innovation Management • Innovations process models • Management of ideas (Fuzzy Front End); Methods of generation of ideas and evaluation of ideas • Definition phase / Concept phase (preparation of requirement profiles; Business Case for Innovation Projects) • Development phase / Design phase (e.g. Rules of Construction and Design; Protection against piracy; Value analysis) • Preparation phase (Market preparation and Pre-Marketing; Planning of Production run) • Knowledge of research on success factors
Teaching and learning methods:	Lecture with case studies; exercises
Literature:	Albers, Sönke/Gassmann, Oliver (Publ.): Handbuch Technologie- und Innovationsmanagement [Manual of

	<p>Technology and Innovation Management], Wiesbaden 2005 or 2nd edition 2011</p> <p>Hauschildt, J./Salomo, S.: Innovationsmanagement [Innovation Management], 4th edition 2007 or current editions</p> <p>Specht, Günter/Beckmann, Christoph/Amelingmeyer, Jenny: F&E-Management - Kompetenz im Innovationsmanagement [R&D Management – Competence in Innovation Management], 2nd ed., Stuttgart 2002</p> <p>Vahs, Dietmar/Burmester, Rolf: Innovationsmanagement [Innovation Management], Stuttgart 1999 or current editions</p> <p>Vahs, Dietmar/Brem, Alexander: Innovationsmanagement [Innovation Management], 4th ed. (published early 2013)</p> <p>Tidd, Joe/Bessant, John: Managing Innovation, 4th ed., 2009</p>
Additional information:	

Department of Informatics and Media: Bachelor modules

Module Name:	General Studies III
Course:	Communicative Competence
Study Semester:	4 th semester
Module Coordinator:	Dean of Studies at the Department of Computer Science and Media
Main Lecturer(s):	Dr. Annett Kitsche
Teaching Language:	English
Level within Curriculum	B.Sc. Applied Computer Science, B.Sc. Informatik, 4 th sem., General Studies
Teaching Methods:	Seminar: 2 hours weekly per semester
Workload:	75 hrs = 30 contact hrs + 45 hrs directed self-study
Credit Points:	2,5

Prerequisites according to Study and Exam Regulations:	
Recommended Prerequisites:	Good English language skills
Learning Outcome / Skills:	<p>Students are interculturally competent and can communicate interculturally.</p> <p>They master virtual teamwork and presentation techniques.</p>
Course Content:	<p>Theoretical basics of intercultural competence and intercultural communication</p> <p>Theory and practice of virtual teamwork.</p> <p>Advantages and Disadvantages</p> <p>Students collaborate with other students at a partner university in Belgium (Hogeschool-Universiteit Brussel) on a subject-related topic</p> <p>They present the results of their work via video conference</p>
Mode of Assessment:	<p>- Term paper and oral discussion</p> <p>Additional assessments during the semester may be included in the final grading.</p>
Teaching Media:	Moodle, wikis, video conference
Literature:	<p>Brake T: Where in the world is my team? Chichester, 2008</p> <p>Byram M., Nichols A., Stephens D.: Developing Intercultural Competence in Practice. Stevenage, 2001</p> <p>Comfort J., Franklin P. The Mindful International Manager. London, 2008</p> <p>Hofstede G., Hofstede G.-J.: Cultures and Organizations. New York, 2010</p> <p>Rowe B.: How Virtual Teams Work. Texas, 2009</p>

Module Name:	Operating Systems / Web Computing
Study Semester:	2nd semester
Module Coordinator:	Prof. Dr. Michael Syrjakow
Main Lecturer(s):	Prof. Dr. Michael Syrjakow, Prof. Dr. Thomas Preuß

Teaching Language:	German English for Applied Computer Science Please let us know your course choice early to inform the lecturer of your participation.
Level within Curriculum:	B.Sc. Informatik, B.Sc. Medizininformatik, B.Sc. Applied Computer Science, 2nd sem., mandatory module
Teaching Methods:	Lecture: 2 hours weekly per semester Exercise: 2 hours weekly per semester
Workload:	150 hrs = 60 contact hrs and 90 hrs directed self-study
Credit Points:	5
Prerequisites according to Study and Exam Regulations:	
Recommended Prerequisites:	fundamental programming skills, fundamental skills in HTML
Learning Outcome / Skills:	<p>The students know the fundamental concepts of distributed systems and the structure of Web applications, including the underlying architectures, protocols and technologies.</p> <p>They are familiar with the basic concepts and structures of operating systems. They also have an in-depth knowledge of multitasking/ multiprogramming, scheduling algorithms, classic and virtual main memory management and attendant algorithms, inter-process communication using signals, pipes, semaphores, and message passing.</p> <p>The students are able to use command-line interfaces in a UNIX system (UNIX commands), to develop and implement simple web applications, to create shell scripts and use them to automate UNIX system (servers) work processes.</p> <p>They know basics of Python programming and can use Python to develop dynamic Web applications.</p>

<p>Course Content:</p>	<ul style="list-style-type: none"> - Client/Server architectures (2-, 3-, multi-level) - P2P-fundamentals - Fundamentals of cloud computing - Overview of TCP/IP, Internet name administration, IP addresses - Connection-orientated and connectionless communication - HTTP, FTP, SMTP as examples of application protocols - Stateless protocols and session management - Development of dynamic Web-based applications with Python - XML and XPath - Operating system tasks and resources - Preemptive multitasking in multi-user operating systems - Processes and threads, including creation and inter-process communication - Basic problems of process synchronization, race-conditions, deadlocks, ... - Process synchronization with lock-variables, semaphores, monitors - Basics of main memory administration - Virtual main memory administration, page assigning algorithms and page replacement algorithms, for example FiFo, LRU, OPT, second chance, working sets, including performance considerations.
<p>Mode of Assessment:</p>	<p>Written exam</p> <p>Additional assessments during the semester may be included in the final grading.</p>
<p>Teaching Media:</p>	<p>Lecture with mixed media (blackboard and mostly interactively filled slides), exercises in small groups, computer based exercises</p>
<p>Literature:</p>	<p>Badach A., Hoffmann E.: Technik der IP-Netze: Internet-Kommunikation in Theorie und Einsatz, Carl Hanser Verlag, 3. Auflage, 2015.</p>

	<p>Bengel G.: Grundkurs Verteilte Systeme: Grundlagen und Praxis des Client-Server und Distributed Computing, 4. Auflage, 2014.</p> <p>Ernesti J., Kaiser P.: Python 3: Das umfassende Handbuch: Sprachgrundlagen, Objektorientierung, Modularisierung, Rheinwerk Computing, 4. Auflage, 2015.</p> <p>Meinel C., Sack H.: Internetworking: Technische Grundlagen und Anwendungen, Springer, 2012.</p> <p>Tannenbaum A.S., Steen M. van: Verteilte Systeme: Prinzipien und Paradigmen, Pearson, 2. Auflage, 2007.</p> <p>Tannenbaum A.S.: Moderne Betriebssysteme, Pearson, 4. aktualisierte Auflage, 2016.</p> <p>Wolf J.: HTML5 und CSS3: Das umfassende Handbuch zum Lernen und Nachschlagen, Rheinwerk Computing, 2. Auflage, 2016.</p>
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Module Name:	Mathematics II
Study Semester:	2nd semester
Module Coordinator:	Prof. Dr. Rolf Socher
Main Lecturer(s):	Prof. Dr. Rolf Socher, Prof. Dr. Roland Uhl
Teaching Language:	German English for Applied Computer Science
Level within Curriculum:	B.Sc. Informatik, B.Sc. Medizininformatik, B.Sc. Applied Computer Science 2nd semester, mandatory module
Teaching Methods:	Lecture: 2 hours weekly per semester Exercise: 2 hours weekly per semester
Workload:	150 hrs = 60 contact hrs and 90 hrs directed self-study
Credit Points:	5

Prerequisites according to Study and Exam Regulations:	Mathematics I
Recommended Prerequisites:	Mathematics I
Learning Outcome / Skills:	<p>They learn about the importance of linear algebra für computer science.</p> <p>They are able to apply mathematical tools in concrete computer science applications.</p> <p>They are familiar with mathematical thinking (abstraction, precision, logical reasoning).</p> <p>They are proficient in using the language of mathematical formulae.</p> <p>They are able to express concepts in different representations (graphical, formulae,...) and to translate between different representations.</p> <p>They are familiar with abstract concepts such as vector spaces, linear independence, bases of vector spaces, and linear mappings.</p> <p>They are experienced in applying the Gauß-Algorithm for solving linear equational systems and for computing the inverse of a square matrix.</p> <p>They are able to solve the following problems:</p> <p>Transformation between different representations of lines and planes in space</p> <p>Determining intersections of lines and planes in space</p> <p>Checking sets of vectors on linear independence</p> <p>Determining the matrix of a linear mapping</p>
Course Content:	<p>matrices, vectors, matrix operations and simple applications</p> <p>Linear equational systems and the Gauß-Algorithm</p> <p>Error correcting Codes</p> <p>Analytic geometry in the plane and in the space: vectors, angles, lines and planes, lineare and affine transformations</p> <p>Vector spaces, subspaces, bases, and dimension</p>

	Lineare mappings and matrices
Mode of Assessment:	Written exam Additional assessments during the semester may be included in the final grading.
Teaching Media:	Blackboard and chalk, online course
Literature:	Jänich K.: Lineare Algebra. 11. Aufl. Berlin: Springer Verlag 2008 Schubert M.: Mathematik für Informatiker. Wiesbaden: Vieweg und Teubner Verlag 2009 Socher R.: Mathematik für Informatiker. München: Hanser 2011 Teschl S. und Teschl G.: Mathematik für Informatiker, Band 1, Diskrete Mathematik und Lineare Algebra. 3. Aufl. Berlin, Heidelberg: Springer 2008
Module Name:	Formal Languages / Automata Theory
Study Semester:	2nd semester
Module Coordinator:	Prof. Dr. Matthias Homeister
Main Lecturer(s):	Prof. Dr. Rolf Socher Prof. Dr. Matthias Homeister
Teaching Language:	German English for Applied Computer Science
Level within Curriculum:	B.Sc. Informatik, 2nd sem., mandatory module B.Sc. Applied Computer Science, 2nd sem., mandatory module
Teaching Methods:	Lecture: 2 hours weekly per semester Exercise class: 2 hours weekly per semester
Workload:	150 hrs = 60 contact hrs and 90 hrs directed self-study
Credit Points:	5
Prerequisites according to Study and Exam Regulations:	

<p>Recommended Prerequisites:</p>	<p>Mathematics I Programming I</p>
<p>Learning Outcome / Skills:</p>	<p>The students are familiar with the main ideas and techniques of theoretical computer science (abstraction, rigour and logical reasoning).</p> <p>They are able to formulate issues in different representations (e.g. graph and table representations of automata) and transform them from one representation into the other.</p> <p>They are able to construct, analyse and apply deterministic and nondeterministic finite automata.</p> <p>They are able to construct, analyse and apply regular expressions</p> <p>They are able to apply transformations on and between automata (minimization, NFA into DFA, regular expression into NFA) and to prove whether a language is regular or not.</p> <p>They are able to construct, analyse and apply context-free grammars. They can convert CFGs into Chomsky normal form and understand the CYK-algorithm. They can determine whether a language is context-free or not.</p> <p>They understand the relationship between automata and grammars, they know context-sensitive grammars and are able to classify formal languages with respect to the Chomsky hierarchy.</p> <p>They understand the role of formal languages, automata and grammars in the context of compiler construction.</p>
<p>Course Content:</p>	<p>Regular languages: deterministic and nondeterministic finite automata, transformations (minimal DFAs, NFA into DFA, regular expression into NFA), regular expressions, lexical analysis, pumping lemma.</p>

	<p>Context-free languages: Grammars, derivations, context-free grammars, Chomsky normal form, CYK-algorithm, derivation trees and ambiguity, syntactical analysis, pumping lemma.</p> <p>Chomsky hierarchy: context-sensitive grammars, Type-0 grammars, connections between the different classes of languages and the associated computing models.</p>
Mode of Assessment:	<p>- Written exam</p> <p>Additional assessments during the semester may be included in the final grading.</p>
Teaching Media:	Lecture with mixed media, exercises
Literature:	<p>Sipser: Introduction to the Theory of Computation, Cengage Learning, 3rd edition, 2013</p> <p>Socher: Theoretische Grundlagen der Informatik. 3. Aufl. München: Hanser Verlag 2008</p> <p>Wagenknecht, Hielscher: Formale Sprachen, abstrakte Automaten und Compiler. 2. Auflage, Wiesbaden, Springer-Vieweg, 2015</p> <p>Vossen G., Witt K.-U.: Grundkurs theoretische Informatik. 6. Auflage, Wiesbaden, Springer-Vieweg, 2016.</p> <p>Böckenhauer, Hromkovic.: Formale Sprachen. Wiesbaden, Springer-Vieweg, 2012.</p>

Module Name:	Multiple Computing Practicals
Study Semester:	4 th semester
Module Coordinator:	Dean of Studies at the Department of Computer Science and Media
Main Lecturer(s):	All teaching staff at the Department of Computer Science and Media
Teaching Language:	<p>German; English for Applied Computer Science</p> <p>Please let us know your course choice early to inform the lecturer of your participation.</p>
Level within Curriculum	B.Sc. Applied Computer Science and B.Sc. Informatik, 4 th sem., Mandatory Module
Teaching Methods:	Laboratory courses: 4hrs/week
Workload:	150hrs = 60 contact hrs and 90hrs directed self-study

Credit Points:	5
Prerequisites according to Study and Exam Regulations	Pass grades in Programming I and II.
Recommended Prerequisites:	
Learning Outcome / Skills:	<p>The students can make practical use of the knowledge acquired in the first 3 semesters.</p> <p>Students show this during different experiments, in which the combination of their knowledge in various courses is required.</p> <p>Students can prepare for and carry out experiments. They can deduce conclusions from what they observed during the experiments.</p>
Course Content:	<p>Experiments in fields like Computer science, practical and technical Computer Science, e.g.</p> <ul style="list-style-type: none"> • Porting of a relational database • Image compression • Audio and Video • Knights game (Yucky Chocolate) • Computer systems organisation • Digital technology • Computer animation • Colours and colour resemblance in image processing • Responsive Websites • Story-telling with digital and analog media • Biometrical user authentication and Hashing • K-Means in Java • Runtime and memory profiling of Java applications
Mode of Assessment:	Protocols of experiments and oral discussion (no grades)
Teaching Media:	Various lab experiments
Literature:	Handouts from teachers (with further references)

Module Name:	Mobile Applications and Systems
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Study Semester:	4th semester
Module Coordinator:	Prof. Dr. Martin Schafföner
Main Lecturer(s):	Prof. Dr. Martin Schafföner
Teaching Language:	German or English Please let us know your course choice early to inform the lecturer of your participation.
Level within Curriculum:	B.Sc. Informatik, 4th. sem., core elective module B.Sc. Applied Computer Science, 4th. sem., core elective module
Teaching Methods:	Lecture: 2 hours weekly per semester Exercise: 2 hours weekly per semester
Workload:	150 hrs = 60 contact hrs and 90 hrs directed self-study
Credit Points:	5
Prerequisites according to Study and Exam Regulations:	
Recommended Prerequisites:	Programming I Programming II Fundamentals of Cloud Computing
Learning Outcome / Skills:	<p>Students understand the architecture and the functionality of operating systems for mobile devices as well as the fundamental principles, challenges and technical solution patterns for mobile applications and systems.</p> <p>They are able to apply basic technologies for developing distributed applications and systems.</p> <p>They can design and prototypically implement mobile applications on selected platforms natively or with cross-platform frameworks. Functional requirements, correctness, usability and resource constraints are equally considered.</p> <p>Students know the security technologies of mobile devices and operating systems and are able to adequately select and apply them to concrete problems.</p>
Course Content:	<ul style="list-style-type: none"> Operating systems for mobile devices: Android, iOS

	<ul style="list-style-type: none"> • Properties and specific features of mobile applications • Frameworks for creating mobile GUIs • Design and implementation of local persistence • Connection of mobile applications with cloud-based systems • Use of third party application data; sharing of data with third party applications • Use of environmental sensors, e.g. camera and position reckoning • Hybrid and cross-platform-development for mobile devices • Basics of threat and vulnerability analysis and evaluation of counter measures for mobile applications
Mode of Assessment:	- semester project with oral discussion Additional assessments during the semester may be included in the final grading.
Teaching Media:	Lecture with mixed media (mostly interactively filled slides), computer lab exercises
Literature:	Nutting J., Mark D., LaMarche J.: Beginning Iphone Development, Apress, 2011 Mednieks Z., Meike B., Dornin L.: Programming Android, O'Reilly, 2011 Fribert, P.: Web-Apps mit jQuery Mobile: Mobile Multiplattform-Entwicklung mit HTML5 und JavaScript, dpunkt.verlag, 2013 Nielsen, J., Raluca, B.: Mobile Usability: Für iPhone, iPad, Android, Kindle, mitp business, 2013

Module Name:	M-Health / Digital Signal Processing
Study Semester:	Medical Informatics, 4th Semester
Module Coordinator:	Prof. Schrader
Main Lecturer(s):	Prof. Schrader
Teaching Language:	German, might be offered in English for exchange students upon request. Further information will follow.

Module Name:	Screen and Motion Design
Study Semester:	INF-B / ACS-B 4. Semester
Module Coordinator:	Prof. Julia Schnitzer
Main Lecturer(s):	Prof. Julia Schnitzer
Teaching Language:	English
	Further information will follow.

Department of Informatics and Media: Master modules

Media Security		Course	INF
Lecturers :	Prof. Dr. Claus Vielhauer eMail Dipl.-Inform. Tobias Scheidat eMail	Term	2
Course Classification :	Informatik Master, Vertiefung Security and Forensics	CH	4
Language :	German, after consultation with the lecturer individual participation in English possible (i.e. with additional English exercises, tutorials, summaries, educational materials and individual tasks)	Type	VÜS
Type of examination :	PL	Credits	6
Method of evaluation :	term paper with oral examination		
Requirements :	Please let us know your course choice early to inform the lecturer of your participation.		
Cross References :			
Previous knowledges :			
Aids and special features :			
Teaching aims :			
Contents :			
Literature :	Dittmann J.: Digitale Wasserzeichen – Grundlagen, Verfahren, Anwendungsgebiete, Springer Verlag, ISBN 3-540-66661-3, 2000 Kunkelmann T.: Sicherheit für Videodaten, Vieweg Verlag, ISBN 3-528-		

<p>05680-0, 1998. Steinmetz R.: Multimediatechnology, Springer, 2. Auflage, ISBN 3-540-62060, 1999 Cox I. J., et al.: Digital Watermarking and Steganography, Morgan Kaufmann, ISBN-13: 978-0123725851, 2007 Johnson N. F., Duric Z., Jajodia S.: Information Hiding: Steganography and Watermarking - Attacks and Countermeasures, Springer, ISBN-10: 9780792372042, 2000 Katzenbeisser S., et al.: Information Hiding – techniques for steganography and digital watermarking, Artech, ISBN-10: 9781580530354, 2000</p>

Media concepts/ media theory 2		Course	INF
Lecturers :	Prof. Stefan Kim eMail	Term	2
Course Classification :	Digitale Medien Master	CH	4
Language :	German, after consultation with the lecturer individual participation in English possible (i.e. with additional English excercises, tutorials, summaries, educational materials and individual tasks)	Type	VÜS
Type of examination :	PL	Credits	6
Method of evaluation :	term paper with oral examination		
Requirements :	Please let us know your course choice early to inform the lecturer of your participation.		
Cross References :			
Previous knowledges :			
Aids and special features :			
Teaching aims :			
Contents :			
Literature :	ORourke M.: Principles of Three-Dimensional Computer Animation, W.W. Norton, 2003 Bender M.; Brill M.: Computergrafik. Hanser-Verlag, 2006 (2. Aufl.) Birn J.: Lighting & Rendering, Addison-Wesley, 2007 (2. Aufl.)		

Lab-Course Master Project I & II (Various topics)		Course	INF
Lecturers :		Term	2
Course Classification :	Master Informatik (Winter-Immatrikulation)	CH	4
Language :	German, after consultation with the lecturer individual participation in English possible (i.e. with additional English excercises, tutorials, summaries, educational materials and individual tasks)	Type	LS
Type of examination :	PL	Credits	6
Method of evaluation :	term paper with oral examination		
Requirements :	P: Automatische Sprachverarbeitung I, II, III P: Cloud and Mobile Computing I, II, III P: Data Science I, II, III P: GameLab I, II, III P: Artificial Intelligence I, II, III P: Malware, Steganographie, technischer Datenschutz und Forensik I, II, III P: Sensorbasierte Diagnostik, Therapie und Patientensicherheit I, II, III P: Softwarequalität I, II, III P: System- und Informationssicherheit I, II, III		
Cross References :			
Previous knowledges :			
Aids and special features :			
Teaching aims :			
Contents :			
Literature :			

Brief module label:	Numerical Methods for Engineers
Module description:	Blocked seminar
semester:	Summer Semester
Level:	Bachelor or master's
ECTS:	

Brief module label:	Imaging methods
Module description	Imaging methods
semester:	Summer semester
curriculum	Part of the Master's programme in Photonics, profound knowledge in Physics and Maths required
ECTS	2
Lecturer	Prof. Regehly
Literature:	<p>Bonnell, D. (2000). <i>Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications</i>. John Wiley & Sons.</p> <p>Amelinckx, S. (1996). <i>Handbook of Microscopy, 3 Vol.: Methods: Applications in Materials Science, Solid-state Physics and Chemistry: 2</i>. Wiley-VCH.</p> <p>van Dyck, S. (1996). <i>Handbook of Microscopy I. Methods I: Applications in Materials Science, Solid-state Physics and Chemistry: 001</i>. Wiley-VCH.</p> <p>Geary, J. (1993). <i>Introduction to Optical Testing (Tutorial Texts in Optical Engineering)</i>. SPIE Society of Photo-Optical, Instrumentation Engineers.</p> <p>Donges, A. (1993). <i>Optoelektronische Verfahren zur Messung geometrischer Größen, Band 405 Meß- und Prüftechnik</i>. Hüthig-Verlag.</p> <p>(1997). <i>Laseroptische Mess- und Prüfverfahren für die Produktion und Umweltmesstechnik, Abschluß- und Zwischenprä-sentation</i>. VDI Technologiezentrum Physikalische Technologien. Hauf, W. & Grigull, U. & Mayinger, F. (1991). <i>Optische Meßverfahren in der Wärme- und Stoffübertragung</i>. Berlin u.a.: Springer.</p> <p>Hecht, E. (2009). <i>Optik</i>. München: Oldenbourg.</p>

Brief module label:	Laser Technology (LTE)	
Programme:	Photonics, M. Eng.	
Lecturer:	Prof. Justus Eichstädt	
Semester:	2	
Total workload and its composition:	Lecture 3 hours/week Seminar 1 hour/week	ECTS: 4
Language	English, German	
Prerequisites:	Bachelor and basic knowledge of Physics/Optics	
Literature:	Joachim Eichler, H. & Eichler, J. (2015). Laser: Bauformen, Strahlführung, Anwendungen. Springer Vieweg. Menzel, R. (2007). Photonics : Linear and Nonlinear Interactions of Laser Light and Matter. Springer-Verlag Berlin and Heidelberg GmbH & Co. KG. Kneubühl, F. K., Sigrist, M. W. (2008) Laser, Springer Vieweg	

Brief module label:	Biophotonics	
Programme:	Photonics, M. Eng.	
Lecturer:	Prof. Justus Eichstädt	
Semester:	2	
Total workload and its composition:	Lecture 2 hours/week	ECTS: 2
Language	English, German	
Prerequisites:	Bachelor and basic knowledge of Physics, Chemistry, Material sciences, Measurements	

Brief module label:	Laser Material Processing	
Study programme	Mechanical Engineering (M.Eng.)	
Semester:	1. Semester	
Semester:	Summer semester	
lecturer	Prof. Justus Eichstädt	
Language	For exchange students English	
Total workload and its composition:	Lecture 2 hours/week, lab 2 hours/week	
Workload:	180 h, 60 h contact hours, 120 h self study	
ECTS	6 ECTS	

Brief module label:	Digital Image Analysis und Applications using Python	
Study programme	Optometry and Optical Engineering (B.Eng.)	
Semester:		
Semester:	Summer semester	
lecturer	Prof. Martin Regehly	
Language	For exchange students English	

Total workload and its composition:	Lecture 2 hours/week, exercise 2 hours/week
Prerequisites and content:	<p>This module is a continuation of the introductory course to the Python Language lectured in winter semester. Knowledge of the basic syntax is therefore required for this advanced course.</p> <p>Content:</p> <ul style="list-style-type: none"> - Manipulation of images with respect to size, format, color and other properties - Masking of image contents - Histogram and color transform - Understanding function of filters, kernels and convolutions - Noise reduction filters - Frequency filters - Edge and contour detection - Geometrical transformation and registration - Feature and object Detection - Segmentation of Images - Video Processing <p>The lecture is assisted by a weekly tutorial which includes Lego Mindstorm robot and/or Raspberry Pi programming using Python.</p>
ECTS	5

Additional Subjects

Brief module label:	Profiling Germany
Module description:	Profiling Germany
Division in teaching sessions, if applicable:	//
Duration of module:	One semester, during the Winter Semester
Classification in the curriculum:	Additional module for foreign students
Usability of the module:	The module can also be employed in other (Bachelor's/Master's) courses according to the regulations of studies and examinations applicable there.
Frequency of offering of modules:	Every academic year
Author:	Katharina Leipnitz
Private lecturer:	Regina Schalinski
Language of instruction:	English, and partly German
Prerequisites:	Basic knowledge about Germany

ECTS-Credits:	5
Total workload and its composition:	150 hours of workload: approx. 50 hours of attendance approx. 40 hours of preparation and follow-up, approx. 60 hours of project work
Form of teaching/semester hours per week:	4 semester hours per week/Project/Lecture
Study and examination achievements:	Home assignment and presentation
Weighting of the grade in the overall grade:	Relevant only for foreign students; then according to the regulations of studies and examinations $0.7*(5/90) = 3.89\%$
Learning outcomes:	The students are expected to recall the basic cultural and economic conditions in Germany. During the project work they should discover the specific differences in their countries and analyse the economic facts during the lecture.
Contents:	<ul style="list-style-type: none"> - History and culture of Germany - Political and social structures - Economic structures - Germany in the EU
Teaching and learning methods:	Lecture and project work
Literature:	<ul style="list-style-type: none"> - Facts about Germany (German Federal Office) - DAAD Destination Germany - Other current information pamphlets will be distributed during the lecture.
Additional information:	Excursions to historically relevant places and museums

Brief module label:	DaF A1
Module description	German as a Foreign Language A 1
Type of module :	Seminar
Duration of module:	one semester
Classification in the curriculum:	Extra offer
Usability of the module	The module can be used regularly for exchange students without any knowledge of German.
Frequency:	each semester

Author:	Jutta Kunze, M.A.
Lecturer:	Ms Martinčević
Language of instruction:	English and German
Prerequisites:	None
ECTS-Credits:	3
Total workload and its composition:	75 h: 60 h contact hours, 15 h self-study
Form of teaching /semester hours per week	4 semester hours per week
Study and examination achievements	Written examination
Weighting of the grade in the overall grade:	-
Learning outcomes:	Students acquire a basic vocabulary of high frequency words and can communicate in everyday language situations by using simple grammatical structures.
Contents:	Students acquire a basic knowledge of German at A-1 level. The topics are based on everyday speech acts which are relevant for getting along in everyday life. These are: <ul style="list-style-type: none"> - greetings - Talk about oneself as well as others - to make appointments - Ask for places and the way - to do small talk while shopping - to give time information - to talk about events - to order and pay at a restaurant - to make appointments by phone
Teaching and learning methods	Teacher input, pair work, group work, learners lecture, exercises in teams, work with audio and video files.
Literature:	Netzwerk / Kurs-und Arbeitsbuch A1, Teilband 1 und 2 mit 2 Audio-CDs und DVD, Klett-Verlag 2013.

Brief module label:	DaF B1
Module description	German as a Foreign Language B 1
Type of module :	Seminar

Duration of module:	one semester
Classification in the curriculum:	Extra offer
Usability of the module	The module can be used regularly for exchange students.
Frequency:	each semester
Author:	G.Handschuck
Lecturer:	N.N.
Language of instruction:	German
Prerequisites:	At least B1 level
ECTS-Credits:	3
Total workload and its composition:	75 h: 60 h contact hours, 15 h self-study
Form of teaching /semester hours per week	4 semester hours per week
Study and examination achievements	Tests, Presentation
Weighting of the grade in the overall grade:	
Learning outcomes:	<ul style="list-style-type: none"> - Development of general language vocabulary (informal and formal level) - Development of communication skills for successful participation in discussions in everyday communication and study situations - Development of competences in reading, writing and listening with different types of texts - Intercultural findings from the comparison of culturally selected priorities (Germany - home country) - Improving grammatical skills (depending on the initial level)
Contents:	<ul style="list-style-type: none"> - Different forms of vocabulary work - Oral and written communication tasks and work on adapted and/or original, partly current reading and listening texts (depending on proficiency level) on various topics (for example, work/profession, sports, doping, media ...)
Teaching and learning methods	Exercises, partly in the language lab, lectures, work in groups
Literature:	different books for German as a foreign language journals and newspapers, websites
Special information:	Use of Moodle

	Since the language level of the participating students varies from semester to semester, the design of this course needs to be frequently adjusted according to the needs of the participants.
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Brief module label:	Brandenburg
Module description	History of the city of Brandenburg
Type of module :	Seminar
Duration of module:	one semester
Classification in the curriculum:	Extra offer
Usability of the module	The module can be used regularly for exchange students.
Frequency:	each semester
Author:	Dr. Hans-Georg Kohnke
Lecturer:	Dr. Hans-Georg Kohnke
Language of instruction:	German and English
Prerequisites:	None
ECTS-Credits:	2 – winter semester, 3 – summer semester
Total workload and its composition:	50 h: 50 h contact hours – winter semester 75 h: 75 h contact hours – summer semester
Form of teaching /semester hours per week	5 blocked sessions winter semester, 6-7 blocked sessions summer semester
Study and examination achievements	Oral exam
Weighting of the grade in the overall grade:	-
Learning outcomes:	The students gain knowledge about over a thousand years history of the Brandenburg city and Germany in general by visiting several museums and cultural sites
Contents:	<ul style="list-style-type: none"> - Over thousand years of German history in the Town Museum and city walk - Brandenburg Cathedral and Cathedral Museum - Industrial Museum in the old Steelworks - Brandenburg Archaeological State Museum - Berlin: Parliament – Reichstag, Brandenburg gate and German Historic Museum

	<ul style="list-style-type: none"> - Only summer semester: Canoeing tour around Brandenburg with Olympic game winner - Only summer semester: additional museum
Teaching and learning methods	Guided tours and discussions, presentations