

INTERNATIONAL PROGRAM

CLASS DESCRIPTIONS

Based on their language ability, exchange students can choose from all classes offered at DHBW Mannheim. There are classes taught in English in various departments, where students can take classes from different semester levels according to their knowledge and background. In addition, there are classes taught in English in the International Program. This program is designed for exchange students and classes are open to students from all backgrounds. In this Handbook, you can find detailed descriptions of all classes offered in the International Program.

Students who want to take additional classes in our departments need to contact the International Office prior to their arrival in Mannheim. The International Office will contact the departments to provide class descriptions, schedules and organize enrolment.

The number of credits students receive depends on the assessment, the contact hours of each class and the amount of workload students have to invest.

Language requirements:

- English: Students need to have the equivalent of a TOEFL IBT 79, TOEFL PBT 550, IELTS 6 or B2 of Common European Framework of Reference for Languages (CEFR).
- German: Students who wish to take classes taught in German need to have the equivalent of B2 Common European Framework of Reference for Languages (CEFR).

Important:

The home university of each exchange student is responsible for selecting students with sufficient language skills!

DHBW Mannheim assumes no responsibility for students failing in classes because of a lack of language skills.

General requirements:

The average workload per semester is 25-30 credits. 1 credit (ECTS) = 30 hours of work. Exchange students are not required need to take a minimum number of credits.

The maximum number of credits exchange students are allowed to take is 36 ECTS per semester. If students wish to take more credits, they must contact the International Office!

International Program

Classes in the International Program are offered each semester.

1 BUSINESS & SOCIAL SCIENCES (PAGES 4-19)

The Business & Social Sciences section of our International Program is designed as an introduction to various business and social fields. Some of the classes have a focus on Germany and the European Union.

- Economic Policy and the Fountain of Development 6 ECTS
- Understanding the German Economy 6 ECTS
- The Economic & Political system of the European Union 6 ECTS
- Financial Market in Germany 6 ECTS
- Marketing in Germany 6 ECTS
- International Marketing:Case Studies 6 ECTS
- International Finance 6 ECTS
- Managerial Accounting 6 ECTS
- Strategic Management 6 ECTS
- Human Resources Management 6 ECTS
- Global Supply Chain Management 6 ECTS
- Strategic Leadership 6 ECTS
- Corporate Social Responsibility 6 ECTS
- Business Management Simulation 3 ECTS
- Global Business 3 ECTS
- Intercultural Project Management 3 ECTS

2 CULTURE (PAGE 20)

The Culture section of our International Program is designed as an introduction to various fields, mainly with a focus on Germany. All classes are open for students from various backgrounds and different semester levels.

- German Culture & Art from the past to the present 6 ECTS

3 COMPUTER SCIENCES (PAGES 21-24)

Only few classes in computer sciences are offered at the moment.

- Java Programing 3 ECTS
- Database Modelling 3 ECTS
- Computer Architecture and Operating Systems 3 ECTS
- Cyberspace Regulation, Policies and the Role of International Organizations 6 ECTS

4 PRACTICAL TRAINING (PAGES 25-26)

The Practical Training section of our International Program is designed as a training of applied methods in different areas.

- Presentation Techniques 2 ECTS
- Academic Research & Writing 2 ECTS

5 GERMAN LANGUAGE (PAGES 27-31)

All our language classes follow the Common European Framework of Reference for Languages (CEFR).

- German Language Courses: from A1 (Beginners) to C1 (Advanced) 6 ECTS

Course Outline:	International Program – Business & Social Sciences: Economic Policy & The Fountain of Development		
Level:	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B1 / B2	Fluent for active participation (reading, writing, speaking)
Assessment	Written Exam 20%, Prototype 60%, Oral Participation 20%		
Content outline:	<p>This course connects principles of economic policy to the origin of development and progress: crisis. Therefore, this lecture is designed in a workshop format providing theoretical background information, exciting cases, state of the art managing tools and last but not least enough time and space to practice and hone your capabilities in an international environment.</p> <p>On Day One we lay the foundations to this course and use the iceberg model of economic thoughts to step into Case Clinic I.</p> <p>On Day Two we connect core principles, key wording and stakeholders to different economic policies and draft a plan to crisis communication.</p> <p>On Day Three we drive into design work and prototyping to handle crisis you experience on your environment and life.</p> <p>On Day Four (exam day) you will present your own prototype on crisis management to your fellows and close with a journaling exercise.</p> <p>This class is designed to be a unique, fast moving learning experience and will be a lot of fun.</p>		
Literature:	<u>Useful reading (excerpt):</u> <ul style="list-style-type: none"> • C. Otto Scharmer, Theory U – Leading from the Future as It Emerges (book) • Nicos Christoulakis – How Crisis Shapes Economic Ideas and Policies (book) • C. Otto Scharmer, The Essentials of Theory U (book) • Michael Lewrick, The Design Thinking Playbook 		

Course Outline:	International Program – Business & Social Sciences: Understanding the German Economy		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	To provide an overview on the current situation of the German Economy.		
Content outline:	<p>The Course introduces the German Economic System by using digital media, financial journals and practical exercises.</p> <p>Course content exists of the following topics:</p> <ul style="list-style-type: none"> • State of the Economy • Fiscal System • Welfare System • Taxation System • Health Care System • Forms of Corporate Organizations • Small and medium sized companies 		

Course Outline:	International Program – Business & Social Sciences: The Economic & Political System of the European Union		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	Students are meant to pose specific questions for comprehension, actively participate in subject-related discussions, and gradually, assume responsibility for their learning outcome. They are expected to give proper feedback to teaching professors.		
Content outline:	<p>For a better understanding of current issues of the European agenda, this class provides an overview of the main political and economic institutions of the European Union as well as processes.</p> <p>Course content:</p> <ul style="list-style-type: none"> • Brief historical overview • The institutions The European Parliament The European Commission The Council of the European Union • The European Central Bank Structure The policy of the ECB • The Economic and Monetary Union Stability and growth pact Euro Crisis 		

Course Outline:	International Program – Business & Social Sciences: The Financial Market in Germany		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	For a better understanding of current issues at the world wide financial markets, this lecture provides an overview of the most common investments as a basis for further discussions and analysis. Students are given the chance to invest a certain amount of fictitious capital to learn the consequences of their decisions.		
Content outline:	<ol style="list-style-type: none"> 1) shares 2) functioning of the stock markets 3) bonds 4) investment funds 5) fundamental and technical analysis 6) macroeconomic influences (central bank decisions) <p>The course includes an excursion to the Frankfurt stock exchange and the European Central Bank.</p>		

Course Outline:	International Program – Business & Social Sciences: Marketing in Germany		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	The main objective of this course is to develop an understanding of international Marketing in the context of the German market. This class will help students to enhance their analytical decision making and implementation skills in a group project of developing an actual marketing plan based on the specific situation in Germany. Performance analysis by a group presentation and class participation.		
Content outline:	With the help of many different examples of advertisements published in Germany as well as basic marketing tools (marketing mix) and concepts students should obtain a better understanding of the practical marketing business and the impact of social, cultural, economic and political differences.		

Course Outline:	International Program – Business & Social Sciences: International Marketing: International Marketing Case Studies		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Lecture, exercises; independent study; case studies; business simulation		
Course objectives:	International Marketing Case Studies 1. Introduction: Approach to Benchmarking 2. Different Case Studies, e.g. Bayern München vs. Borussia Dortmund, Red Bull vs. Monster, etc. Students are divided in teams, which will then be allocated with different topics, e.g.: <ul style="list-style-type: none"> • Legal frame of companies • Comparison of players by selected criteria • Sponsoring – Public Relations • SWOT Analyses • Return on Investment – Time/Value Comparison – Comments • Risk and Chances (“future music”) 3. Presentation by teams 4. Wrap up		
Content outline:	Understanding the fundamentals of marketing; Developing a customer- driven marketing concept and strategy; Implementing the marketing program / marketing mix; Marketing control; Marketing organization; Social responsibility and ethics;		

International Program – Business & Social Sciences: International Finance			
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	<p>Students are to extend their finance expertise to topics of advanced corporate and international financing. They will become able to distinguish between different conceptions of financial management in international companies. They will practice the analysis and critical assessment of business cases with a focus on the financial management of international corporations.</p> <p>Further, students are to acquire the ability to decide on international investments and project financing as well as to argue and assess their choice. They are to learn about the peculiarities of cost and performance accounting in an international setting. An emphasis is put on risk management and different tools of corporate financing (transfer pricing, cash management, equity financing, etc.) in an international context</p>		
Content outline:	<ul style="list-style-type: none"> • international corporate financing • methods of financial planning • financial forecast and budgeting • types and tools of risk management in international finance • customs and taxes • structured international project financing 		

Course Outline:	International Program – Business & Social Sciences:		
	Managerial Accounting		
Level:	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, independent study, group assignment		
Course objectives:	To provide basic management accounting knowledge. Information produced by management accountance must be judged in the light of its ultimate effect on the outcome of decisions.		
Content outline:	<ol style="list-style-type: none"> 1. Introduction to Management and Cost Accounting <ol style="list-style-type: none"> 1.1 Introduction to Management Accounting 1.2 Cost Terms and Concepts 2. Cost Accumulation for Inventory Valuation and Profit Measurement <ol style="list-style-type: none"> 2.1 Cost Assignments 2.2 Job Costing Systems 2.3 Process Costing 2.4 Income Effects of Cost Accumulation Systems 3. Information for Decision Making <ol style="list-style-type: none"> 3.1 Cost-Volume-Profit Analysis 3.2 Relevant Costs for Decision-Making 4. Information for Planning, Control, and Performance Measurement <ol style="list-style-type: none"> 4.1 Budgeting Process 4.2 Standard Costing and Variance Analysis 5. Cost Management and Strategic Accounting 		

Course Outline:	International Program – Business & Social Sciences:		
	Strategic Management		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, independent study, group assignment		
Course objectives:	<p>The dynamics of our economy and society are changing and growing rapidly. This puts pressure on companies to assess their ability to compete and make adjustments. Strategies that follow rigid five-year plans are not needed, the goal is to integrate and proactively use the ideas behind the instability and dynamics of human, technical and economic factors. In this field students will learn about details in strategic management, what a good strategic move for a company is and how to organize a company.</p> <p>Students will be given specific criteria in regards to the future direction of a company. This includes how to remain flexible and strategically organize a company for long-term success.</p>		
Content outline:	<p>1) Origin and Use of Strategical Thinking:</p> <ul style="list-style-type: none"> - Strategy as an enterprise successful factor - Position of strategy within the company - Build strategical success positions <p>2) Information Analysis</p> <ul style="list-style-type: none"> - Environmental analysis - Analysis of the strategic use of a portfolio - Analysis of strength and weakness profiles - Strategical key problems <p>3) Strategic Development</p> <ul style="list-style-type: none"> - Where strategical thinking begins - System and action-oriented strategies - Balanced Scorecard - Product and market strategy - Strategical alternatives - Strategy and enterprise architecture <p>4) Strategy Implementation</p> <ul style="list-style-type: none"> - From strategical planning to the budget - Introduce Strategy projects - Communication of the Strategy - Human factor <p>5) Strategy Examination</p> <ul style="list-style-type: none"> - Strategical discipline versus flexibility - Systems for strategy examination - Handle strategical mistakes <p><i>Please Note: The class "Strategic Leadership" is not a prerequisite for this class, but it is highly recommended to take both classes in the same semester !</i></p>		

Course Outline:	International Program – Business & Social Sciences: Human Resource Management		
Level	Unergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Course objectives:	<p>Students will gain a critical understanding of the meanings of HRM, its origins, practices and cultural significance. Students should be able to analyze an organization's requirements for HRM interventions and apply relevant HRM solutions especially in the areas of Recruitment and Selection and Reward Management to specific cases. Participants will learn to appreciate the impact of personnel-related decisions and different HR strategies on a business as a whole.</p> <p>They are introduced to the tasks and tools of a human resource department, as well as to the necessities and challenges of strategic human resource management.</p>		
Content outline:	<ul style="list-style-type: none"> • HRM definitions and models • Perspectives on the employment relationships • Origins of HRM • Strategy and HRM • Labour Markets and Flexibility • HR Planning • Recruitment and Selection • Employment Contract • Reward Systems 		

Course Outline:	International Program – Business & Social Sciences: Global Supply Chain Management		
Level:	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B1 / B2	Fluent for active participation (reading, writing, speaking)
Assessment	Written Exam 20%, The Challenge (Teamwork) 40%, Management Summary Presentation 30%, Oral Participation 10%		
Content outline:	<p>The goal of this course is to provide and develop knowledge about supply chains in each region in the world, identifying their unique characteristics, to craft intelligent business decisions. Therefore, this course will make you familiar with the EPIC structure – EPIC stands for economy, politics, infrastructure and competence – and helps you to reveal strengths, weaknesses, opportunities and threats of the different regions and supply paths in the world.</p> <ol style="list-style-type: none"> 1. Introduction to Global Supply Chain Management 2. Introduction of the EPIC structure 3. The “Economy” factor 4. The “Politics” factor 5. The “Infrastructure” factor 6. The “Competence” factor 7. The “Challenge of this course” 		
Literature:	<p><u>Main textbook:</u></p> <ul style="list-style-type: none"> • Global Supply Chains, Srinivasan, Stank, Dornier & Petersen, McGrawHill, 2014 (this is the: ISBN 978-0-07-179231-8) <p><u>Further reading:</u></p> <ul style="list-style-type: none"> • Purchasing & Supply Chain Management, Monczka, et al., South-Western Cengage Learning, 2009, ISBN 978-0-324-38134-4 • Logistics & Supply Chain Management, Christopher, FT Prentice Hall, 2011, ISBN 978-0-273-73112-2 • Multiple Articles on Supply Chain Management from Harvard Business Review, list will be provided during the class. 		

Course Outline:	International Program – Business & Social Sciences: Strategic Leadership		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, independent study, group assignment; Case Studies		
Course objectives:	Students are familiar with diverse methods of personnel and enterprise leadership and can relate this knowledge to recent research in the field. They learn to deal with primary factors of leadership success and develop an overall understanding of situational interpretations of leadership. Students will be able to carry out multi-dimensional analyses of problems. They have a great understanding of socio-motivational networks and are able to develop target-driven solutions.		
Content outline:	<ol style="list-style-type: none"> 1. Corporate culture 2. Styles of Management 3. Management Models 4. Incentive Programs 5. Conflict Management 6. Communication and Motivation <p><i><u>Note: The class “Strategic Management” is not a prerequisite for this class, but it is highly recommended to take both classes in the same semester !</u></i></p>		

Class Title:	International Program – Business & Social Sciences: Corporate Social Responsibility		
Level:	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 2	Fluent for active participation (reading, writing, speaking)
Class Objectives	<p>Upon completion of this module students should be able to;</p> <p>...develop a sound working understanding of the concept of corporate social responsibility as it applies to all sectors and contexts.</p> <p>...demonstrate a good conceptual understanding of how CSR and business ethics relate to each other.</p> <p>...critically evaluate the counter arguments to CSR</p> <p>...discuss the development of CSR and the more recent notion of corporate responsibility.</p> <p>...conduct an analytical evaluation of a chosen organisation's CSR activity</p>		
Content outline:	<ul style="list-style-type: none"> • The Development of Corporate Social Responsibility: The notion of stakeholders responsibility; concern for stakeholders and the environment; corporate social responsibility and business ethics; ethical and moral reasoning; the relationship between law, ethics and corporate social responsibility. • A Framework for Corporate Social Responsibility: Stakeholder perspective; institutional environments; and corporate social performance. • Corporate Social Responsibility Practices: The conflict between economic performance and social responsibility; relations between corporations and key stakeholders; codes of corporate social responsibility; stakeholder group responsibility practices. • International Issues in Corporate Social Responsibility: The diversity of cultural values; CSR as ethical values vs CSR as business strategy; cross-cultural dilemmas facing corporations; current developments in corporate social responsibility. 		
Methodology	<p>This is an Independent Study module and requires students to be very self motivated and responsible for a large part of their learning. This module is run on a tutorial basis. (This strategy is possible as currently a low number of students take this module). A significant amount of pre-reading is given to the students so that they join the module with some knowledge of key contemporary CSR debates. Live case studies are introduced to the students and they are also encouraged to bring their own cases to class. A strong emphasis is placed on synthesising theory to practice seen in the case studies.</p>		
Assessment	<p>There are two equally weighted elements of assessment. An aggregate mark of 50% has to be achieved to pass the module. As far as is practically possible both elements test all learning outcomes. One piece of assessment is an essay focusing on CSR theory and tests the ability to conceptualise. The second element of assessment is a formal case study presentation with Q and A session. During the preparation of these two pieces of work feedback is given on draft submissions.</p>		

Course Outline:	International Program – Business & Social Sciences:		
	Business Management Simulation		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Content outline:	<p>„Read and you remember – do and you understand“. This is the guideline of the business simulation <i>BTI-FACTORY</i>, where students learn about management principles and methods in a practical manner. It is designed especially for undergraduate students.</p> <p>During the business game, students have to lead a company through three years, each with a complete business cycle. Step by step, students have to apply business-management skills. There is a constant mix of different teaching methods: lecture, teamwork and open discussions.</p> <p>One of the main focus of this General Management Simulation is on Accounting and Finance.</p> <p>Content includes:</p> <ul style="list-style-type: none"> • Structure and Intention of Balance Sheet, Profit and Loss Statement; • Accounting and Finance; • Cash Flow Statement; • Break-Even-Analysis ; • Static and Dynamic Procedures of Budget Techniques; • Key Data Oriented Management; 		

Course Outline:	International Program – Business & Social Sciences:		
	Global Business		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, independent study, group assignment of case studies, business simulations, guided discussion.		
Course objectives:	<p>To understand what is meant by “global business”</p> <p>To approach the concept of “culture” and its implications for business</p> <p>To learn the steps into globalization and organization maturity of a business</p> <p>To analyse global business management from an ethical perspective</p> <p>To learn and practice new approaches of global business management</p>		
Content outline:	<p>Companies go global when some benefits are promised. For businesses, the following aspects present advantages:</p> <ul style="list-style-type: none"> • the high developmental status of technology in another country • the demographic situation of another country (unemployed people, who can be hired cheaply) • the state of education (employees with high education can be recruited for low wages) • potentials like skills, competences, or the resources from project partners can be temporarily utilized • concrete project goals, like the development of a new automobile would be realized, or • higher goals can be achieved with the help of projects, like the improvement of global markets <p>Today, the globalization of businesses is driven with the purpose to newly shape the overall value creation process, while, for example, professionals from other countries would be cheaply integrated—even if the business stays in the local market.</p> <p>At the same time companies set global business, the world passes through very rapid and intense changes: technological development, global warming, financial and economic meltdown bring on the one hand development and on the other poverty and unemployment. These changes are having a profound impact on the behavior of producers and consumers worldwide. In consequence, a major rethinking on the way we make business globally is required. Managers with global business insights are in high demand.</p> <p>The seminar Global Business equips the students with the understanding that value-driven business is possible and leads to innovation and growth.</p>		
Key texts/ Literature:	<ul style="list-style-type: none"> • KOTLER, Philip; KARTAJAYA, Hermawan and SETIAWAN, Iwan: Marketing 3.0 - From Products to Customers to the Human Spirit. John Wiley & Sons New Jersey USA 2010. • PORTER, Michael; KRAMER, Mark: The big idea - Creating shared Value. Harvard Business Review, January/February 2011. • STIGLITZ, Joseph E.: Making Globalization Work. W. W. Norton & Company, New York USA 2006. <p>Further key text will be announced at the beginning of the semester.</p>		

Course Outline:	International Program – Business & Social Sciences:		
	Intercultural Project Management (IPM)		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, group assignment, discussion & reflexion, video based company simulation, referring to typical phases of an intercultural project		
Course objectives:	<p>To understand culture's influences on intercultural project management</p> <p>To learn and practice the life cycle phases of intercultural projects</p> <p>To assess the basic competencies required for working in intercultural projects</p> <p>To identify the interconnection of this subject with other disciplines</p>		
Content outline:	<p>In an international context, a project is different from what is known from a purely national perspective.</p> <p>In some cultures, the phase-oriented consideration of the project work is more prominent, while other cultures focus on aspects such as communication networks. Criteria for success, the expectations of in-depth planning and commitment may differ considerably.</p> <p>In this seminar, we will learn and practice a generic life-cycle model of the phases of an international project. This will serve as a basic orientation aid for many types of projects, emphasizing the deep influence of cultural issues in managing intercultural projects.</p> <p>We will assess the specific intercultural competencies needed in the specific phases of international projects and discuss different actions and solutions. Since these solutions are often very complex, any general template-like solution can't be expected.</p> <p>Business today is spread out across national borders. For most companies, employees with intercultural project management skills are in high demand. The seminar Intercultural Project Management provides the students with the basic knowledge and tools for this challenge.</p>		
Key texts/ Literature:	<ul style="list-style-type: none"> • York Associates: Developing People Internationally. York 2008 • FITZSIMONS; HOFFAMNN; SCHOPER. Internationales Projektmanagement. DTV GmbH, München - D2004. • Further key text will be announced at the beginning of the semester. 		

Course Outline:	International Program – Culture: German Culture & Art from the Past to the Present - Overview		
Level	Undergraduate	ECTS	6
Working language(s):	English	Language level required: B 1 / B 2	Fluent for active participation (reading, writing, speaking)
Learning methods:	Seminar, independent study, group assignment		
Content outline:	<p>This seminar will present an overview of German culture and art from its beginnings up to the present with a focus on the last two centuries. The main focus will be on historical, political and philosophical topics as well as life in society. The lecture follows a transdisciplinary approach in the sense of cultural studies.</p> <p>The topics include:</p> <ul style="list-style-type: none"> Architecture/Art epochs Classical Music Nazi Period Modern Art Literature Cinema Regional Diversity <p>All the required materials will be handed out in class.</p> <p>Students are meant to pose specific questions for comprehension, actively participate in subject-related discussions, and gradually, assume responsibility for their learning outcome. They are expected to give proper feedback to teaching professors.</p>		

Course Outline:	International Program – IT: Java Programming		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required:	Fluent for active participation (reading, writing, speaking)
Exam:	Class Participation, Written & Practical Exam, Project		
Learning methods:	Seminar, Lab Work, Assignments, Project		
Course objectives:	The class aims to provide an understanding of the Object Oriented Programming principles. Java programming language is used to illustrate the concepts.		
Content outline:	<ul style="list-style-type: none"> • Object Oriented Principles • Java Programming Language characteristics • Java Virtual Machine characteristics • Java Data Types • Java Syntax (e.g. classes, interfaces, inheritance, polymorphism) • Java Access Levels/Visibility Scopes • Java Class Libraries usage (e.g. Standard I/O, File, Networking, ...) • Java Annotations • Java Generics • Java Packages • User Interface Elements (Forms, Controls, Action Listeners) • Application development steps (analysis, design, implementation, testing) 		
key texts/ literature:	Gosling, James. The Java Language Specification. Print. [online available: https://docs.oracle.com/javase/specs/jls/se8/jls8.pdf] Latest Oracle's online tutorial: http://docs.oracle.com/javase/tutorial/java/		
additional remarks:	To obtain a final passing grade, the scores for the written and practical exams need to be greater or equal to 50%.		

Course Outline:	International Program – IT: Database Modelling		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required:	Fluent for active participation (reading, writing, speaking)
Exam:	Class Participation, Written & Practical Exam, Project		
Learning methods:	Seminar, Lab Work, Assignments, Project		
Course objectives:			
Content outline:	Database Modelling <input type="checkbox"/> Introduction to Database Systems <input type="checkbox"/> The Theory behind Relational Databases <input type="checkbox"/> Modeling <input type="checkbox"/> Using the Model/Query writing <input type="checkbox"/> Project		

Course Outline:	International Program – IT: Computer Architecture & Operating Systems		
Level	Undergraduate	ECTS	3
Working language(s):	English	Language level required:	Fluent for active participation (reading, writing, speaking)
Exam:	Class Participation, Written & Practical Exam, Project		
Learning methods:	Seminar, Lab Work, Assignments, Project		
Course objectives:			
Content outline:	Computer Architecture & Operating Systems <input type="checkbox"/> Introduction to Computer Architecture <input type="checkbox"/> Operating Systems Fundamentals <input type="checkbox"/> Linux Shell Scripting		

Class Title:	International Program – IT: Cyberspace Regulation, Policies and the Role of International Organizations		
Level:	Undergraduate	ECTS	6
Working language(s):	English	Language level required:	Fluent for active participation (reading, writing, speaking)
Class Objectives	<p>This course is designed to give an introduction to students on the current legal frameworks and policies governing the field of information technology and cyberspace. The course will particularly focus on the analysis of relevant laws, policies and legal judgements in these areas from international organizations, with particular focus on European Union Institutions and legal developments in Germany.</p> <p>Students will have the possibility to learn the practical aspects on cutting edge areas governing the law of cyberspace and the role of international organizations in enforcing the existing treaties, laws and regulations and facilitating public-private cooperation in the following areas:</p> <p>Internet Governance</p> <p>E-Commerce and E- Signatures</p> <p>Liability of Internet Intermediaries</p> <p>Cybersecurity</p> <p>Cybercrime</p> <p>Privacy and Data Protection</p> <p>Blockchain and Cryptocurrencies</p> <p>During this course, students will identify the current challenges that key companies and institutions (mostly Internet Service Providers) face in complying with the broad legal framework on cyberspace and propose solutions that may be adapted to protect fundamental human rights while facilitating regional and international cooperation in said areas.</p> <p>The main goal of this course is that students acquire useful analytical skills to solve complex problems on conflicts of laws and jurisdictions and find effective solutions for cross-border problems that arise as a result of Internet presence and activity.</p>		
Content outline:	<p>1. Internet Governance (Definitions, Domain Name System, Main Actors, Current Problems)</p> <p>2. E-Commerce and E-Signatures (UNCITRAL Model Laws, eIDAS Regulation, Legislation in Germany)</p> <p>3. Liability of Internet Intermediaries (Legislation in the EU and Germany)</p> <p>4. Cybercrime (Budapest Convention, Legislation in Germany, US CLOUD Act, UN Proposals)</p> <p>5. Privacy and Data Protection (GDPR, Major Cases from the EctHR, Comparative Frameworks (APEC))</p> <p>6. Blockchain and Cryptocurrencies (Regulation Proposals, Criminal Use, Case Studies)</p>		

Course Outline:	International Program – Practical Training:		
	Presentation Techniques		
Semester:		Course prerequisite(s):	
Working language(s):	English	Language level required:	Fluent for active participation (reading, writing, speaking)
Work load:	20 hrs of lectures	ECTS:	2
	40 hrs of independent study		
Exam:	Presentation		
Content outline:	<p>In today's business world, it is necessary to be able to present results of a project in an adequate way in front of a bigger audience. But what distinguishes a good from an inadequate presentation? Besides the content, how important is body language and the sound of the voice? In this interactive workshop students will address the situation of presenting in front of an audience and have the chance to work on their presentation skills – all in an comfortable atmosphere.</p> <p>Participants will learn how to set up their presentation from the beginning to the end: They will start with regard to the target, target group and time. Then they will learn how to structure the presentation and think about relevant information and arguments.</p> <p>During the workshop, participants will also look at their body language, rhetoric and will learn how to use audience-oriented media/visualisation support.</p> <p>Students can either bring the topics of their upcoming presentations to the workshop or they will be provided with topics.</p>		

Course Outline:	International Program – Practical Training: Academic Research and Writing		
Semester:	All levels	Course prerequisite(s):	
Working language(s):	English	Language level required: B1	Fluent for active participation (reading, writing, speaking)
Work load:	15 hrs of lectures	ECTS:	2
	45 hrs of independent study		
Exam:	Presentation		
Course objectives:	<p>This course aims to enable students to comprehend the principles of scientific work, apply scientific methods and generate, preserve, and disseminate knowledge on the basis of scientific principles. Students have to interact effectively inside a team and by doing so, they learn how to express their findings clearly and to defend team results. Students will also reflect critically on research designs and team work.</p> <p>The main focus of the course will be on the following topics:</p> <ul style="list-style-type: none"> • Principles of scientific work • Principles of group work and knowledge management • German features of scientific work • Power Point presentations and scientific work • Essentials of seminar papers • Student work: What usually goes wrong 		

Course Outline:	International Program – Languages:		
	German A 1.1		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: none	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who have no knowledge of the German language. The main focus of the course is the understanding and use of familiar everyday expressions and very basic phrases such as introducing him- or herself and others and answering questions about personal details such as where he or she lives. The course will cover the following grammar topics corresponding to the language level A1 of the GER*: W-phrases, Yes/No-questions, definite/indefinite articles, adjectives, personal pronouns, the present and present perfect tenses, past participles, imperative, modals, numbers, verbal phrases with accusative and dative, adverbials of time and place as well as possessive articles. Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages:		
	German A 1.2		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: A 1.1	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who have prior knowledge of the German language. The main focus of the course is the understanding and use of familiar everyday expressions and very basic phrases, such as introducing him- or herself and others and answering questions about personal details such as where he or she lives. Students will be required to buy a textbook. The course will cover the following grammar topics corresponding to the language level A1 of the GER*: W-phrases, Yes/No-questions, definite/indefinite articles, adjectives, personal pronouns, the present and present perfect tenses, past participles, imperative, modals, numbers, verbal phrases with accusative and dative, adverbials of time and place as well as possessive articles. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German A 2.1		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: A 1.2	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who have prior knowledge of the German language and wish to further their language proficiency. The main focus of the course is the understanding of frequently used expressions that are related to simple and routine tasks that require the direct exchange of information in familiar and routine matters, , e.g. the sharing of very basic personal and family information, shopping, obtaining and giving directions and seeking employment. Moreover, students should be able to describe aspects of his or her background and the immediate environment in relation to areas of immediate concern in simple terms. The course will cover the following grammar topics corresponding to the language level A2 of the GER*: the past tense, subclauses (weil, obwohl, wenn, dass), "sollt"-phrases, comparative and superlative, declension of adjectives (nominative, dative, accusative), "Was für ein..."- and "Welch..."-phrases, relative clauses, future I tense, final clauses with "um...zu", infinitive with "zu". Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German A 2.2		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: A 2.1	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who have prior knowledge of the German language and wish to further their language proficiency. The main focus of the course is the understanding of frequently used expressions that are related to simple and routine tasks that require the direct exchange of information in familiar and routine matters, e.g. the exchange of very basic personal and family information, shopping, obtaining and giving directions and seeking employment. Moreover, students should be able to describe aspects of his or her background and the immediate environment in relation to areas of immediate concern in simple terms. The course will cover the following grammar topics corresponding to the language level A2 of the GER*: the past tense, subclauses (weil, obwohl, wenn, dass), "sollt"-phrases, comparative and superlative, declension of adjectives (nominative, dative, accusative), "Was für ein..."- and "Welch..."-phrases, relative clauses, future I tense, final clauses with "um...zu", infinitive with "zu". Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German B 1.1		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: A 1.2	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who already have basic knowledge of the German language and wish to train their oral communication skills . The main focus of the course is the understanding of the main points of clear standard communication on familiar matters regularly encountered at work, in school, leisure, etc. Students should be able to deal with most situations which may arise whilst travelling in an area where the language is spoken. Besides, students should be able to produce simple connected texts on topics that are familiar or of a personal interest, describe experiences, events, dreams, hopes and ambitions as well as briefly give reasons and explanations for opinions and plans. The special emphasis of the course is to practice presentations on a given or a self-selected topic and to train vocabulary in the field of phraseology. The course will cover the following grammar topics corresponding to the language level B1 of the GER*: The past tense, past perfect, passive mood, subclauses (als, wenn, nachdem, damit, ohne...zu + infinitive, da, statt...zu + infinitive, so dass, so..., dass, seit, bis, während, bevor), subjunctive II, direct and indirect questions, personal pronouns, reflexive verbs and pronouns, relative clauses and n-declension. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German B 1.2		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: B 1.1	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who wish to broaden their immediate knowledge in the German language. The main focus is the understanding of the main points of clear standard communication on familiar matters regularly encountered at work, in school or leisure, etc. Students should be able to deal with situations which may arise whilst travelling in an area where the language is spoken. Besides, students should be able to produce simple connected texts on topics that are familiar or of a personal interest, describe experiences, events, dreams, hopes and ambitions as well as briefly give reasons and explanations for opinions and plans. The course will cover the following grammar topics corresponding to the language level B1 of the GER*: The past tense, past perfect, passive mood, subclauses (als, wenn, nachdem, damit, ohne...zu + infinitive, da, statt...zu + infinitive, so dass, so..., dass, seit, bis, während, bevor), subjunctive II, direct and indirect questions, personal pronouns, reflexive verbs and pronouns, relative clauses and n-declension. Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German B 2.1		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: B 1.2	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who wish to deepen their intermediate proficiency of the German language. The aim of this course is to enable the understanding of the main ideas of complex texts on both concrete and abstract topics, including technical discussions in his or her field of specialization. Students will be able to interact with a degree of fluency and spontaneity that enables regular and effortless interaction with native speakers. Besides, students will learn how to produce clear and detailed texts on a wide range of subjects and how to explain a viewpoint on an issue through giving the advantages and disadvantages of various options. The course will cover the following grammar topics corresponding to the language level B2 of the GER* : : causal clauses, consecutive clauses, conditional clauses, subjunctive I + II, prepositions, declension of adjectives, passive, nominal style and the genitive. Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages: German B 2.2		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: B 2.1	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who want to further their intermediate proficiency of the German grammar. Grammar is the foundation of every language, and good grammar skills facilitate good communication and understanding. Deepening your grammar knowledge will therefore help you to understand the main ideas of complex texts on both concrete and abstract topics including technical discussions in your field of specialization. Besides, it will help you to interact with a degree of fluency and spontaneity that enables regular and effortless interaction with native speakers. The course will cover the following grammar topics corresponding to the language level B2 of the GER*: causal clauses, consecutive clauses, conditional clauses, subjunctive I + II, prepositions, declension of adjectives, passive, nominal style and the genitive form. Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		

Course Outline:	International Program – Languages:		
	German C 1		
Level	Undergraduate	ECTS	6
Working language(s):	German	Language level required: B 2.2	Fluent for active participation (reading, writing, speaking)
Assessment	Exam, Homework		
Content outline:	<p>This course is meant for students who possess an intermediate proficiency of the German language. The aim of the course is to enable the understanding of a wide range of demanding and longer texts as well as to recognize the subtleties of the language. Besides, students will be able to express him- or herself fluently and spontaneously without needing to search for expressions as well as use the language flexibly and effectively for social, academic and professional purposes. In addition, students will be able to produce clear, well-structured and detailed texts on complex subjects, showing the accurate usage of organizational patterns, connectors and cohesive devices. The course will cover the following grammar topics corresponding to the language level C1 of the GER*: participle constructions, modal verbs, nominal style, passive. Students will be required to buy a textbook. You will receive a detailed course description from your instructor at the end of the course which will provide an overview of the topics you have learned and discussed in class.</p> <p>*Gemeinsamer Europäischer Referenzrahmen für Sprachen / Common European Framework of Reference for Languages</p>		