

---

**Modulhandbuch**

**Sustainability Economics - Bachelor's Programme**

**im Winter semester 2024/2025**

erstellt am 10/02/25

---

<b>mat990 - Mathematics for Economists</b>	5
.....	
<b>wir011 - Introduction to Business Administration</b>	7
.....	
<b>wir041 - Introduction to economics</b>	9
.....	
<b>wir110 - Macroeconomic Theory</b>	11
.....	
<b>wir120 - Microeconomic Theory</b>	12
.....	
<b>mat991 - Mathematics for Economists II</b>	13
.....	
<b>wir150 - Statistics I for Economists</b>	15
.....	
<b>wir151 - Statistics II for Economists</b>	16
.....	
<b>wir809 - Econometrics</b>	17
.....	
<b>wir250 - International Economics</b>	18
.....	
<b>wir260 - Environmental Economics</b>	19
.....	
<b>wir270 - Resource and Energy Economics</b>	20
.....	
<b>wir280 - Economic policy</b>	21
.....	
<b>wir290 - Economic Growth</b>	23
.....	
<b>wir300 - Public Finance</b>	24
.....	
<b>wir360 - Environmental and Sustainability Policies</b>	25
.....	
<b>wir154 - Applied Industrial Organization</b>	26
.....	
<b>wir361 - Environment and inequality: socioeconomic linkages and policy instruments</b>	27
.....	
<b>inf030 - Programming, Algorithms and Data Structures</b>	29
.....	
<b>inf600 - Business Informatics I</b>	32
.....	
<b>inf601 - Business Informatics II</b>	34
.....	

---

<b>sow019 - Introduction to sociology</b>	36
<b>sow021 - Introduction to political science</b>	38
<b>wir021 - Double Entry Bookkeeping &amp; Financial Statements under German Law (HGB)</b>	39
<b>wir032 - Managerial Accounting</b>	40
<b>wir040 - Introduction to Constitutional Law and Foundations of Public Economic Law</b>	41
<b>wir060 - Financial Accounting</b>	42
<b>wir070 - Principles of Marketing</b>	43
<b>wir083 - Purchasing, Operations, and Logistics Management</b>	45
<b>wir090 - Human Resource Management</b>	46
<b>wir100 - Corporate Strategy</b>	48
<b>wir130 - Civil Law and Commercial Law</b>	50
<b>wir140 - Foundations of EU Economic Law and Principles of Labour Law</b>	52
<b>wir155 - Empirical Research Project</b>	54
<b>wir160 - Entrepreneurship</b>	55
<b>wir200 - Principles of Organisation</b>	57
<b>wir210 - Corporate Environmental Management</b>	59
<b>wir221 - Introduction in Business Taxation</b>	61
<b>wir240 - International Accounting and Auditing</b>	62
<b>wir350 - Administrative Law concerning trade, industry and environment</b>	63
<b>wir390 - Financial Management</b>	64
<b>wir400 - Strategic and International Marketing</b>	65

---

<b>wir410 - Selected Topics in Business Administration</b>	67
<b>wir420 - Selected Topics in Economics</b>	68
<b>wir520 - International and EU Economic Law</b>	69
<b>wir082 - Corporate Finance</b>	71
<b>inf040 - Introduction to Data Science</b>	73
<b>inf980 - Introduction to Computer Science</b>	75
<b>mat865 - Advanced Topics in Statistics</b>	80
<b>bam - Bachelor's Thesis Module</b>	82

## Grundlagen-/Basiscurriculum

### mat990 - Mathematics for Economists

<b>Module label</b>	Mathematics for Economists
<b>Module code</b>	mat990
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum-Wahlbereich Mathematik</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Grundlagen-/Basiscurriculum</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> </ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Modulverantwortlichen, Die (authorised to take exams)</li> <li>• May, Angelika (module responsibility)</li> </ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	<p>Students internalize basic mathematical concepts and methods from analysis and matrix calculation and their applications in economics.</p> <p>Professional competence The students:</p> <ul style="list-style-type: none"> <li>• are proficient in the mathematical fundamentals relevant to economics</li> <li>• master methods for solving equations and inequalities</li> <li>• master differential calculus for one and two variables and can integrate</li> <li>• are able to reliably determine local and global extreme points for functions of one and two variables.</li> </ul> <p>Methodological competence The students:</p> <ul style="list-style-type: none"> <li>• analyse formal contexts</li> <li>• understand the formal mathematical language</li> <li>• structure problems from the economic sciences and justify their solutions.</li> </ul> <p>Social competence The students:</p> <ul style="list-style-type: none"> <li>• construct solutions to given problems in groups</li> <li>• accept criticism and see it as an aid.</li> </ul> <p>Self-competence The students:</p> <ul style="list-style-type: none"> <li>• reflect their actions in establishing solutions</li> <li>• deepen the presented mathematical concepts in exercises and add them to their actions.</li> </ul>
<b>Module contents</b>	<p>Basics in real Arithmetic, Rules for Matrix Arithmetic            Linear equations, linear inequalities and systems of those, quadratic equations, financial mathematics (interest rates and present values, pension calculation)            Calculus for functions of one variable: derivation rules for power functions, exp and ln, indefinite integral,            applications of integral calculus (density function, ordinary differential equations),            single-variable optimization (stationary points, extreme-value theorem, local and global extreme points),</p>

Approximation methods (linear approximation, Taylor series with Lagrange remainder)  
 Functions of two variables (partial derivatives, total differential), Tools for comparative statics : (elasticity of substitution, homogeneous and homothetic functions), multivariable optimization tasks (local and global extremes, extremes under constraints)

<b>Recommended reading</b>	Kursbuch: Sydsaeter, K.; Hammond, P. & Böker, F. (2010): Mathematik für Wirtschaftswissenschaftler. München: Pearson.			
	Begleitend: Karmann, A. (2008): Mathematik für Wirtschaftswissenschaftler (6. Aufl.). München: Oldenbourg. Unger, T. & Demps, S. (2010): Lineare Optimierung. Wiesbaden: Vieweg. Dempe, S. & Schreier, H. (2006): Operations Research. Wiesbaden: Vieweg.			
<b>Links</b>	www.uni-oldenburg.de/wire			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	annual			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>				
Examination	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>	zum Ende der Vorlesungszeit		written exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Exercises		2	WiSe	28
<b>Total module attendance time</b>				56 h

## wir011 - Introduction to Business Administration

<b>Module label</b>	Introduction to Business Administration		
<b>Module code</b>	wir011		
<b>Credit points</b>	6.0 KP		
<b>Workload</b>	180 h		
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Basiscurriculum</li> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Grundlagen-/Basiscurriculum</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> </ul>		
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Hoppmann, Jörn (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>		
<b>Prerequisites</b>			
<b>Skills to be acquired in this module</b>	<p>The goal of the course is that students are able to...</p> <ul style="list-style-type: none"> <li>- know and understand basic concepts and processes in the context of business administration</li> <li>- name important research streams and theoretical frameworks in the field</li> <li>- apply models and instruments of business administration to develop solutions for practical challenges in companies</li> <li>- critically question the application of common instruments and models and evaluate their advantages and disadvantages in specific decision making situation</li> <li>- put the newly acquired knowledge into a broader context, so it can be deepened in the further course of study and when working in a company</li> </ul>		
<b>Module contents</b>	<p>The course offers an introduction to the most important concepts, instruments, and frameworks of business administration. Toward this end, the course first introduces the core concepts and provides an overview of the history, goals, structure, and research traditions of business administration. Subsequently, students will gain insights into 11 important areas of business administration: (1) Entrepreneurship, (2) Strategic Management, (3) Logistics and Supply Chain Management, (4) Production Management, (5) Marketing and Sales, (6) Accounting and Controlling, (7) Finance and Investment, (8) Technology and Innovation Management, (9) Human Resource Management, (10) Information Management, and (10) Sustainability Management. Students deepen and apply the knowledge acquired in the lecture in tutorials. In addition, the course includes guest lectures by practitioners to clarify the practical relevance of the content.</p>		
<b>Recommended reading</b>	<p>Straub, T. (2014): Einführung in die Allgemeine Betriebswirtschaftslehre (2. Auflage), Pearson Deutschland, Hallbergmoos.  Hutzschenreuter, T. (2015): Allgemeine Betriebswirtschaftslehre (6. Auflage), Springer Gabler, Wiesbaden</p>		
<b>Links</b>			
<b>Language of instruction</b>	German		
<b>Duration (semesters)</b>	1 Semester		
<b>Module frequency</b>	jährlich		
<b>Module capacity</b>	unlimited		
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>	
<b>Final exam of module</b>	At the end of the semester	1 Prüfungsleistung: 1 Klausur/Antwort-Wahl-Verfahren (Multiple Choice) (i. d. R. 60 – 90 Min.) oder 1 mündl. Prüfung (i. d. R. 20 Min.) oder 1 Hausarbeit (max. 15 Seiten) oder 1 Referat (max. 30 Min.) oder 1 Portfolio (max. 5 Leistungen)	
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>
Lecture		2	
Tutorial		2	
<b>Total module attendance time</b>			56 h





---

## wir041 - Introduction to economics

<b>Module label</b>	Introduction to economics
<b>Module code</b>	wir041
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Wirtschaftswissenschaften</li><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li><li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li><li>• Bachelor's Programme Computing Science (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft more...</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li><li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Grundlagen-/Basiscurriculum</li><li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li><li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Rahmeier Seyffarth, Anelise (Module counselling)</li><li>• Böhringer, Christoph (module responsibility)</li></ul>
<b>Prerequisites</b>	none
<b>Skills to be acquired in this module</b>	<p>Students: acquire a basic understanding of economics</p> <ul style="list-style-type: none"><li>- know elementary economic terms and theories</li><li>- learn to analyze economic problems graphically and/or mathematically</li><li>- are able to grasp both micro- and macroeconomic relationships based on theory</li><li>- understand basic economic models and are able to apply them to current economic problems</li><li>- place current economic and political events and debates in economic contexts</li><li>- understand under which conditions market interventions by policy makers are justified from an economic perspective</li><li>- are able to assess possible effects of economic policy instruments (for example: taxes, subsidies, minimum and maximum prices, etc.).</li></ul>
<b>Module contents</b>	<p>The course introduces students to economic thinking and gives an elementary overview of the fundamental themes in economics. Key causal relationships will be verbally, analytically and graphically elucidated and underpinned with real-world examples. Main contents: - Introduction to economic thinking; - Explanation of basic concepts of economic theory; - Economic cycle and national product; - Interdependence and trade; - Functioning and efficiency of markets; - Market failures and government activity; - Firms behavior in markets with diverse structures; - Foundations of game theory.</p>
<b>Recommended reading</b>	<ul style="list-style-type: none"><li>- Mankiw, N. Gregory &amp; Taylor, Mark P.: Grundzüge der Volkswirtschaftslehre, 7. Aufl., Stuttgart: Schäffer-Poeschel, 2018; 1162 S.</li><li>- Samuelson, Paul A. &amp; Nordhaus, William D.: Volkswirtschaftslehre –Das internationale Standardwerk der Makro- und Mikroökonomie, 5. Aufl., München: FinanzBuch Verlag, 2016; 1056 S.</li><li>- The CORE Team: The Economy (free, open access text for introductory undergraduate courses; continuous updates), URL: <a href="https://www.core-econ.org">https://www.core-econ.org</a></li><li>- Weimann, Joachim: <i>Wirtschaftspolitik - Allokation und kollektive Entscheidung</i>, 5.Aufl. 2009, Berlin, Heidelberg: Springer Verlag; 458 S.</li><li>- Kurz, Heinz D.: <i>Geschichte des ökonomischen Denkens</i>, München: C.H. Beck, 2017; 128 S.</li></ul>

<b>Links</b>	<a href="http://www.vwl.uni-oldenburg.de/">http://www.vwl.uni-oldenburg.de/</a>
<b>Language of instruction</b>	German
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	jährlich
<b>Module capacity</b>	unlimited
<b>Reference text</b>	The module consists of lectures and tutorials. The contents of the course will be taught in the lecture. The tutorial sessions are aimed at solving problem sets or exercises to deepen students understanding. Lecture notes and other relevant materials will be uploaded to the learning management system (Stud IP).

Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	end of semester	written exam; voluntary contributions that improve grades may undertaken as 'portfolio-presentations' during tutorials

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		3		42
Tutorial		1		14
<b>Total module attendance time</b>				<b>56 h</b>

## wir110 - Macroeconomic Theory

<b>Module label</b>	Macroeconomic Theory		
<b>Module code</b>	wir110		
<b>Credit points</b>	6.0 KP		
<b>Workload</b>	180 h		
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Grundlagen-/Basiscurriculum</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> </ul>		
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Rahmeier Seyffarth, Anelise (Module counselling)</li> <li>• Bitzer, Jürgen (Module counselling)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Trautwein, Hans-Michael (module responsibility)</li> </ul>		
<b>Prerequisites</b>	-		
<b>Skills to be acquired in this module</b>	At the end of the course, successful students: • understand the interdependence of market processes and economic policy in the subsystems of the economy, • avoid fallacies of composition in the nexus of microeconomics and macroeconomics, • use macroeconomics as a tool to analyse current economic and political issues, • translate economic problems into models that describe macroeconomic causalities and interdependencies by reasonable reductions of complexity, • interpret selected data in the light of macroeconomic theories.		
<b>Module contents</b>	The course starts with an introduction to the principles of national accounting which serve as point of departure for the presentation of basic macroeconomic models in short-term, medium-term and long-term perspectives. Short-term: Consumption, saving, investment and finance in the closed-economy IS/LM framework. Medium-term: Labour supply & demand, production and inflation in the AS/AD framework and extensions to open-economy analysis. Long-term: capital accumulation, technical progress and economic growth in different approaches. The basic models are presented in words, algebra and diagrams with the aid of case studies and other exemplary material.		
<b>Recommended reading</b>	Blanchard, O. & Illing, G. (2017): Makroökonomie (7. Aufl.). München: Pearson. (or English versions: Blanchard, O.: Macroeconomics, 7th ed. Pearson 2017) Trautwein, H.-M. (2014): Makroökonomik (3rd ed.). Oldenburg: Verlag für Wirtschaft, Informatik und Recht.		
<b>Links</b>	<a href="http://www.vwl.uni-oldenburg.de/">http://www.vwl.uni-oldenburg.de/</a>		
<b>Language of instruction</b>	German		
<b>Duration (semesters)</b>	1 Semester		
<b>Module frequency</b>	jährlich		
<b>Module capacity</b>	unlimited		
<b>Reference text</b>	The module combines lectures and tutorials. The lectures present the contents in terms of macroeconomic models and their contexts, while the tutorials serve to improve the understanding of the models by way of exercises. Course materials are uploaded on the Stud.IP website of the module.		
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>	
<b>Final exam of module</b>	end of term	written exam; voluntary contributions that improve grades may undertaken as 'portfolio-presentations' during tutorials	
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>
Lecture		3	42
Exercises		1	14
<b>Total module attendance time</b>			56 h

## wir120 - Microeconomic Theory

<b>Module label</b>	Microeconomic Theory			
<b>Module code</b>	wir120			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Grundlagen-/Basiscurriculum</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Helm, Carsten (module responsibility)</li> <li>• Rahmeier Seyffarth, Anelise (Module counselling)</li> <li>• Rüb, Daniel (Module counselling)</li> <li>• Lehrenden, Die im Modul (Module counselling)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p>Students</p> <ul style="list-style-type: none"> <li>• understand the relevance of microeconomics as a method for analysing economic interactions and for understanding the behaviour of typical agents,</li> <li>• are proficient in microeconomics at an intermediate level, and can put microeconomic issues in the context of scientific discussions,</li> <li>• can apply microeconomic methods and critically question them,</li> <li>• can exchange themselves in teams about microeconomic problems, develop solutions together, and can put them forward in the scientific debate.</li> </ul>			
<b>Module contents</b>	<ul style="list-style-type: none"> <li>• definition und description of microeconomics</li> <li>• household theory (budget, preferences, utility, optimal consumption plan, demand)</li> <li>• theory of the firm (technology, costs, profit maximization, supply)</li> <li>• markets (perfect competition, monopoly, oligopoly)</li> <li>• market failure (external effects, public goods, asymmetric information)</li> <li>• game theory and behavioural economics</li> </ul>			
<b>Recommended reading</b>	<p>Varian, H. (2016), Grundzüge der Mikroökonomik, Oldenbourg Verlag, München. Pindyck, R. S. und D. L. Rubinfeld (2013): Mikroökonomie, Pearson Verlag. Stocker, F. (2013): Spaß mit Mikro: Praktische Mikroökonomik für (ver)zweifelnde Studierende, Oldenbourg Verlag, München.</p>			
<b>Links</b>	<a href="http://www.vwl.uni-oldenburg.de/">http://www.vwl.uni-oldenburg.de/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>	The module consists of a lecture and a tutorial. In the lecture the content of the module is presented. In the tutorial, these topics are discussed and practiced by means of exercises.			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	at the end of the semester	Written exam; by solving the exercises in the tutorial, bonus points can be obtained		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture		3	--	42
Tutorial		1		14
<b>Total module attendance time</b>				56 h

---

# Aufbaumodule

## mat991 - Mathematics for Economists II

<b>Module label</b>	Mathematics for Economists II
<b>Module code</b>	mat991
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum-Wahlbereich Mathematik</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Vertiefungsbereich</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Aufbaumodule</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• May, Angelika (module responsibility)</li><li>• May, Angelika (authorised to take exams)</li></ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	<p>The students internalize advanced mathematical methods, know applications in economics and can provide solutions.</p> <p>Professional competence The students:</p> <ul style="list-style-type: none"><li>• are proficient in the quantitative methods relevant to economics</li><li>• know vector spaces and die rings</li><li>• master the differential calculus for n variables</li><li>• can determine extreme points with general constraints</li><li>• can solve special homogeneous and inhomogeneous differential equations.</li></ul> <p>Methodological competence The students:</p> <ul style="list-style-type: none"><li>• analyse complex interrelationships</li><li>• understand the formal mathematical language</li><li>• structure problems from the economic sciences and find independent solutions.</li></ul> <p>Social competence The students:</p> <ul style="list-style-type: none"><li>• construct solutions to given problems in groups</li><li>• accept criticism and see it as an aid.</li></ul> <p>Self-competence The students:</p> <ul style="list-style-type: none"><li>• reflect their actions in establishing solutions</li><li>• deepen the presented mathematical concepts in exercises and add them to their actions.</li></ul>
<b>Module contents</b>	<p>n-dimensional vector spaces, linear maps, matrix and vector algebra (determinant, inverse matrix, eigenvalues and eigenvectors), linear systems of equations and their economic application.</p> <p>Functions of n variables), tools for comparative static (chain rules, implicit differentiation along a level curve, elasticity of substitution), multivariate optimization with and without constraints (necessary and sufficient conditions), general constraints, Kuhn-Tucker conditions.</p> <p>Integration, Differential and ordinary differential equations with solution methods for special types.</p>
<b>Recommended reading</b>	<p>Sydsaeter, Knut und P. Hammond mit A. Ström: Mathematik für Wirtschaftswissenschaftler, Pearson Education, 4. akt. Auflage 2013.</p> <p>Sydsaeter, K., P. Hammond, A. Seierstad, A. Ström: Further Mathematics for</p>

Economic Analysis,  
 Prentice Hall / Pearson Education, 2nd ed. 2008.  
 Karmann, Alexander: Mathematik für Wirtschaftswissenschaftler, Oldenbourg  
 Verlag, 6. Aufl. 2008.  
 Simon, C. and L. Blume: Mathematics for Economists, International Student  
 Edition 2010.

<b>Links</b>				
<b>Language of instruction</b>		German		
<b>Duration (semesters)</b>		1 Semester		
<b>Module frequency</b>		annual		
<b>Module capacity</b>		unlimited		
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>		written exam (90-120 minutes)		
Bonus points can be earned.				
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Exercises		2	WiSe	28
<b>Total module attendance time</b>				56 h

## wir150 - Statistics I for Economists

<b>Module label</b>	Statistics I for Economists			
<b>Module code</b>	wir150			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum-Wahlbereich Mathematik</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Akzentsetzungsmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Aufbaumodule</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Berufliche Bildung</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Management und Ökonomie</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Stecking, Ralf Werner (module responsibility)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p>Students</p> <ul style="list-style-type: none"> <li>• will understand the fundamental terms of descriptive and inductive statistics.</li> <li>• will be able to choose and calculate appropriate measures and methods in order to describe empirical data properly.</li> <li>• are familiar with concepts of probability theory and will be able to transfer statistical results from sample to population.</li> </ul>			
<b>Module contents</b>	Measuring and tabular / graphic representation of the data, summary statistics (arithmetic mean, statistical dispersion), two-dimensional distributions (graphic / tabular depiction, statistical independence, contingency, simple linear regression, and correlation), fundamentals of probability theory and probability distribution, sampling distributions, estimation and test methods.			
<b>Recommended reading</b>	<p>Litz, H.-P. (2003): Statistische Methoden in den Wirtschafts- und Sozialwissenschaften (3. Aufl.), München</p> <p>Mittag, H.J. (2015): Statistik: Eine interaktive Einführung, (4. Aufl.), Berlin</p> <p>Schira, J. (2016): Statistische Methoden der VWL und BWL (5. Aufl.), München</p> <p>Wewel, M. (2014): Statistik im Bachelor-Studium der BWL und VWL (3. Aufl.), München</p>			
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	end of semester	written exam		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Tutorial		2		28
Exercises (optional)			WiSe	0
<b>Total module attendance time</b>				56 h

## wir151 - Statistics II for Economists

<b>Module label</b>	Statistics II for Economists			
<b>Module code</b>	wir151			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Vertiefungsbereich</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Aufbaumodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Stecking, Ralf Werner (module responsibility)</li> </ul>			
<b>Prerequisites</b>	None.  However, previous knowledge out of the module <b>wir150 Statistics I for Economists</b> is recommended.			
<b>Skills to be acquired in this module</b>	Students - are aware of and are able to evaluate basic methods of multivariate data analysis. - will be able to choose appropriate methods in practical fields of application. - are able to run computer-aided analyses and to interpret the results properly.			
<b>Module contents</b>	Methods of the regression, correlation, and variance analysis, classification procedures.			
<b>Recommended reading</b>	Backhaus, K., Erichson, B., Plinke, W., Weiber, R. (2015): Multivariate Analysemethoden, 14. Aufl., München Eckstein, E. (2016): Angewandte Statistik mit SPSS, 8. Aufl., Wiesbaden Litz, H.-P. (2003): Statistische Methoden in den Wirtschafts- und Sozialwissenschaften, 3. Aufl., München.			
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Type of module</b>	je nach Studiengang Pflicht oder Wahlpflicht			
<b>Module level</b>	---			
Examination	Prüfungszeiten			Type of examination
<b>Final exam of module</b>	end of semester			written exam or term paper
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Tutorial		2	--	28
<b>Total module attendance time</b>				56 h



## wir809 - Econometrics

<b>Module label</b>	Econometrics		
<b>Module code</b>	wir809		
<b>Credit points</b>	6.0 KP		
<b>Workload</b>	180 h		
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Aufbaumodule</li> <li>• Master's Programme Business Administration, Economics and Law (Master) &gt; Basismodule</li> <li>• Master's Programme Business Administration, Economics and Law (Master) &gt; Mantelmodule (MPO2020)</li> <li>• Master's programme Business Administration: Management and Law (Master) &gt; Basismodule</li> <li>• Master's Programme Sustainability Economics and Management (Master) &gt; Basic Modules</li> <li>• Master's Programme Sustainability Economics and Management (Master) &gt; Supplementary Modules</li> </ul>		
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Bitzer, Jürgen (module responsibility)</li> </ul>		
<b>Prerequisites</b>	Keine		
<b>Skills to be acquired in this module</b>	<p>The students are able to:</p> <ul style="list-style-type: none"> <li>- apply the basic econometric methods,</li> <li>- follow, evaluate and interpret basic empirical studies,</li> <li>- apply basic econometric methods in empirical studies,</li> <li>- use the econometric software STATA.</li> </ul>		
<b>Module contents</b>	<p>The module consists of a lecture and an exercise. In the module the basic statistical principles are recapitulated, deepens the knowledge of the multiple regression and introduce the students to the advanced topics of panel econometrics, binary dependent variables, instrumental variable estimation and time series econometrics.</p>		
<b>Recommended reading</b>	<p>Stock, J. H. &amp; Watson, M. W. (2011), Introduction to Econometrics (3rd ed.), Amsterdam: Addison-Wesley Longman.</p> <p>Kohler, Ulrich und Frauke Kreuter (2016): Datenanalyse mit Stata: Allgemeine Konzepte der Datenanalyse und ihre praktische Anwendung, 45. aktualisierte und überarbeitete Auflage, Oldenbourg Verlag.</p>		
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>		
<b>Language of instruction</b>	German		
<b>Duration (semesters)</b>	1 Semester		
<b>Module frequency</b>	jährlich		
<b>Module capacity</b>	unlimited		
<b>Reference text</b>	Dieses Modul besteht aus einer Vorlesung und einer Übung. Die Übung findet im Computerraum statt. Neben der Vertiefung des Vorlesungsstoffes lernen die Teilnehmer in der Übung auch den Umgang mit der Ökonometriesoftware STATA.		
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>	
<b>Final exam of module</b>	end of the semester	written exam	
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>
			<b>Workload of compulsory attendance</b>
Lecture		2	28
Exercises		2	28
<b>Total module attendance time</b>			56 h

# Vertiefungsmodule

## wir250 - International Economics

<b>Module label</b>	International Economics			
<b>Module code</b>	wir250			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Trautwein, Hans-Michael (module responsibility)</li> <li>• Rahmeier Seyffarth, Anelise (Module counselling)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>	Keine			
<b>Skills to be acquired in this module</b>	<p>At the end of the course, successful students:</p> <ul style="list-style-type: none"> <li>• understand the interdependence of markets in the world economy,</li> <li>• translate economic problems into models that describe macroeconomic causalities and interdependencies by reasonable reductions of complexity, in particular with regard to international trade, capital flows and migration as well as development and underdevelopment in different parts of the world economy,</li> <li>• derive analytical statements about trade and capital flows from balance of payments and exchange rate data,</li> <li>• know the historical backgrounds and assess the dynamic instabilities of current exchange rate regimes.</li> </ul>			
<b>Module contents</b>	<p>The course combines a series of lectures and a seminar, both of which are offered in English language. The lectures cover the following topics:</p> <ul style="list-style-type: none"> <li>• globalization</li> <li>• international trade, inter- &amp; intrasectoral</li> <li>• transnational production &amp; factor mobility</li> <li>• balances of payments &amp; exchange rates</li> <li>• macromodelling of the open economy</li> <li>• economic underdevelopment and strategies of sustainable development</li> </ul> <p>Relevant models are presented in words, algebra and diagrams with the aid of case studies and other exemplary material.</p> <p>The seminar is organized as a two-days workshop towards the end of the semester, with an introductory kick-off meeting in the second week of the term. In the workshop, students present and discuss papers on current issues in international economics.</p> <p>Course materials are uploaded on the Stud.IP website of the module.</p>			
<b>Recommended reading</b>	Krugman, P., Obstfeld, M. & Melitz, M. (2017): International Economics – Theory and Policy (11th. ed.). Boston: Addison-Wesley. Lists of recommended additional reading on selected current issues are provided at short notice.			
<b>Links</b>	<a href="http://www.vwl.uni-oldenburg.de/">http://www.vwl.uni-oldenburg.de/</a>			
<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Examination</b>	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>	two-days workshop in last two weeks of term		seminar paper	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
<b>Total module attendance time</b>				56 h

## wir260 - Environmental Economics

<b>Module label</b>	Environmental Economics	
<b>Module code</b>	wir260	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Ökologie und Nachhaltigkeit</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Huse, Cristian (module responsibility)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>The undergraduates</p> <ul style="list-style-type: none"> <li>• understand the basic subjects of environmental economics</li> <li>• know essentials of economic theory in environmental policy</li> <li>• know environmental problems and are able to analyze and interpret them economically</li> <li>• know the mechanics of instruments in environmental policy and also their conditions of usage</li> <li>• are able to evaluate instruments of environmental policy</li> <li>• know about the problems of transnational environmental burdens</li> <li>• know methods of environmental assessment</li> </ul>	
<b>Module contents</b>	<p>Following topics will be discussed:</p> <ul style="list-style-type: none"> <li>• definition and differentiation of environmental economics</li> <li>• economic interpretations of environmental problems</li> <li>• objectives and instruments of environmental policy</li> <li>• market economy instruments of environmental policy</li> <li>• conditions of implementation of environmental politics</li> </ul> <p>International environmental problems</p> <ul style="list-style-type: none"> <li>• environmental assessment</li> </ul>	
<b>Recommended reading</b>	<p>Feess, E. (2007): Umweltökonomie und Umweltpolitik, Vahlen, München.  Michaelis, P. (1996): Marktwirtschaftliche Instrumente der Umweltpolitik, Physica, Heidelberg.</p>	
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	Zum Ende der Vorlesungszeit	KL
<b>Type of course</b>	Lecture	
<b>SWS</b>	4	
<b>Frequency</b>		
<b>Workload attendance time</b>	56 h	

## wir270 - Resource and Energy Economics

<b>Module label</b>	Resource and Energy Economics	
<b>Module code</b>	wir270	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Ökologie und Nachhaltigkeit</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> <li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Böhringer, Christoph (module responsibility)</li> <li>• Asane-Otoo, Emmanuel (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Asane-Otoo, Emmanuel (Module counselling)</li> </ul>	
<b>Prerequisites</b>	Keine	
<b>Skills to be acquired in this module</b>	<p>Die Studierenden sind in der Lage:</p> <ul style="list-style-type: none"> <li>• Ressourcen- und energieökonomische Standardmodelle nachzuvollziehen,</li> <li>• Standardmodelle in Hinblick auf weitergehende Fragestellungen anzupassen bzw. zu erweitern,</li> <li>• die Funktionsweise von Ressourcen- und Energiemärkten zu verstehen,</li> <li>• reale Vorgänge auf Ressourcen- und Energiemärkten anhand der Kriterien Effizienz, Verteilung und Nachhaltigkeit zu bewerten,</li> <li>• die institutionell-regulatorischen Rahmenbedingungen von Ressourcen- und Energiemärkten anhand der Kriterien Effizienz, Verteilung und Nachhaltigkeit zu bewerten.</li> </ul>	
<b>Module contents</b>	<p>Behandelt werden die Themenlinien nicht regenerierbare Ressourcen (effiziente Nutzung, intertemporale Gerechtigkeit, intertemporales Marktgleichgewicht); regenerierbare Ressourcen (effiziente Nutzung im steady state, Marktgleichgewicht); Nachhaltigkeit; Grundlagen der Energiewirtschaft; Energienachfrage; Energie und Umwelt; Energieressourcen; Märkte für Primärenergieträger; Strommarkt und Regulierung. Dabei stehen die volkswirtschaftlichen Aspekte im Zentrum, wobei notwendigerweise auch grundlegende technische und betriebswirtschaftliche Aspekte vermittelt werden.</p>	
<b>Recommended reading</b>	<p>Endres, A. &amp; Querner, I. (2000), Die Ökonomie natürlicher Ressourcen, Kohlmeier, Stuttgart.          Field, B.C. (2008), Natural Resource Economics: An Introduction, Waveland Press, Long Grove, Ill.          Erdmann, G &amp; Zweifel, P. (2008): Energieökonomik - Theorie und Anwendungen, Springer, Heidelberg          Stoft, S. (2002), Power System Economics, Wiley, Piscataway.</p>	
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	Zum Ende der Vorlesungszeit	KL
<b>Type of course</b>	Lecture	
<b>SWS</b>	4	
<b>Frequency</b>		
<b>Workload attendance time</b>	56 h	

---

## wir280 - Economic policy

<b>Module label</b>	Economic policy
<b>Module code</b>	wir280
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Böhringer, Christoph (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li><li>• Riesenbeck, Lukas (Module counselling)</li></ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	With successful completion of the course, students shall: <ul style="list-style-type: none"><li>• understand the fundamental theories of resource allocation;</li><li>• understand and reflect market failure arguments;</li><li>• be able to evaluate the goals, instruments and limits of regulatory intervention to promote the sustainability of economic systems;</li><li>• be able to analyze the effects of economic regulation with regard to efficiency and incidence by means of graphs and analytical approaches.</li></ul>
<b>Module contents</b>	Part 1: Introduction to economic policy <ul style="list-style-type: none"><li>• Market efficiency and market failure;</li><li>• Theory of the public sector;</li><li>• Collective decision making;</li><li>• Welfare theory;</li><li>• Market failure: external effects;</li><li>• Market failure: public goods;</li><li>• Market failure: asymmetric information;</li><li>• Economic theory of natural monopoly regulation;</li></ul> Part 2: European economic policy <ul style="list-style-type: none"><li>• Regional economic integration;</li><li>• EU common agricultural policy;</li><li>• EU eastward enlargement;</li><li>• Currency union and monetary policy</li></ul>
<b>Recommended reading</b>	Part 1: Weiman, J. (2009): Wirtschaftspolitik, Allokation und kollektive Entscheidung (5. Aufl.), Springer, Berlin. Hindriks, J. & G. D. Myles (2013): Intermediate Public Economics (2. Aufl.), MIT Press, Cambridge. Klump, R. (2013): Wirtschaftspolitik. Instrumente, Ziele und Institutionen (3. Aufl.), München, Deutschland: Pearson.  Part 2: Lectures notes Pelkmans, J. (2006): European Integration - Methods and Economic Analysis (3. Aufl.), FT Prentice Hall, Pearson Education, München.
<b>Links</b>	<a href="http://www.wipol.uni-oldenburg.de/">http://www.wipol.uni-oldenburg.de/</a>
<b>Language of instruction</b>	German
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	jährlich
<b>Module capacity</b>	unlimited
<b>Reference text</b>	The teaching method will be mostly lectures, with few tutorial/applied/interactive sessions. Lecture notes (slides), exercises as well as other relevant texts and links to information sources will be uploaded to the learning management system.

---

(Stud IP).

Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	1st date of exam: july 2nd date of exam: october	written exam
<b>Type of course</b>	Lecture	
<b>SWS</b>	4	
<b>Frequency</b>		
<b>Workload attendance time</b>	56 h	

---

## wir290 - Economic Growth

<b>Module label</b>	Economic Growth			
<b>Module code</b>	wir290			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Bitzer, Jürgen (module responsibility)</li> </ul>			
<b>Prerequisites</b>	none			
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>- discuss fundamental economic growth models and analyse empirical evidence,</li> <li>- analyse the long-term determinants of economic development and discuss them in the context of modern societies,</li> <li>- evaluate strategies to reach sustainable economic growth discussed in the public and politics,</li> <li>- participate in a discussion on the topic, developing a well-grounded position and problem solving strategy.</li> </ul>			
<b>Module contents</b>	The module consists of a lecture and a seminar. "Why are we so rich and they so poor?" In the module, the theoretical models, the empirical evidence, and the strategies applied or discussed by politics to reach sustainable economic growth are introduced and discussed.			
<b>Recommended reading</b>	<p>Jones, C. I. (2013), Introduction to Economic Growth (3rd ed.), New York: Norton.</p> <p>Easterly, W. (2002), The Elusive Quest for Growth. Economists' Adventures and Misadventures in the Tropics, Cambridge: MIT Press.</p>			
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>			
<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>	Dieses Modul besteht aus einer Vorlesung und einem Seminar. Beide Veranstaltungen werden in englischer Sprache angeboten. Die Präsentation von Referaten im Seminar ist in Ausnahmefällen auch in deutscher Sprache möglich. Die Klausuraufgaben können in deutscher oder englischer Sprache beantwortet werden.			
<b>Examination</b>	<b>Prüfungszeiten</b>		<b>Type of examination</b>	
<b>Final exam of module</b>	end of semester		written exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
<b>Total module attendance time</b>				<b>56 h</b>

## wir300 - Public Finance

<b>Module label</b>	Public Finance	
<b>Module code</b>	wir300	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Helm, Carsten (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Lehrenden, Die im Modul (Module counselling)</li> </ul>	
<b>Prerequisites</b>	keine	
<b>Skills to be acquired in this module</b>	<p>Students</p> <ul style="list-style-type: none"> <li>• understand government action and its analysis using methods from public finance,</li> <li>• have basic knowledge in public finance, and can put questions of public finance in the context of scientific discussions</li> <li>• describe the operations of markets and government intervention,</li> <li>• apply methods from public finance to the analysis and evaluation of fiscal policies - alone and in small groups - and question them critically;</li> <li>• can present their results in the form of written contributions and oral presentations, and can defend them in the scientific debate.</li> </ul>	
<b>Module contents</b>	<p>The lecture part addresses the topics:</p> <ul style="list-style-type: none"> <li>• normative theory of government activity,</li> <li>• positive theory of government activity,</li> <li>• sustainability of public debt,</li> <li>• public revenues,</li> <li>• the welfare state,</li> <li>• demographic change and sustainability of pension systems.</li> </ul> <p>The seminar deals with topical issues in public finance.</p>	
<b>Recommended reading</b>	<p>Wigger, B. (2006), Grundzüge der Finanzwissenschaft, Springer, Berlin.  Blankart, C. B. (2011), Öffentliche Finanzen in der Demokratie, Vahlen; München.  Rosen, H. S. &amp; T. Gayer (2010); Public Finance. Mcgraw-Hill Higher Education.</p>	
<b>Links</b>		
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	30	
<b>Reference text</b>	The module consists of a lecture and a seminar on a topical issue in public finance.	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	seminar paper, presentation and discussion: end of semester voluntary short mid term test that improve grades by 0.7 may be undertaken	Submission of seminar paper, presentation and discussion towards the end of the lecture period. Bonus: short mid-term examination, by which a maximum grade improvement of 0.7 points can be achieved.
<b>Type of course</b>	Lecture and seminar	
<b>SWS</b>	4	
<b>Frequency</b>	WiSe	
<b>Workload attendance time</b>	56 h	



## wir360 - Environmental and Sustainability Policies

<b>Module label</b>	Environmental and Sustainability Policies			
<b>Module code</b>	wir360			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Ökologie und Nachhaltigkeit</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> <li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Siebenhüner, Bernd (Module counselling)</li> <li>• Siebenhüner, Bernd (module responsibility)</li> </ul>			
<b>Prerequisites</b>	none			
<b>Skills to be acquired in this module</b>	students: <ul style="list-style-type: none"> <li>• have basic information about national and European environmental and sustainability governance</li> <li>• describe the history of national and European environmental and sustainability governance</li> <li>• reflect upon central principles, instruments, players and strategies in environmental and sustainability governance</li> </ul>			
<b>Module contents</b>	Development directions of German and European environmental and sustainability governance; Analysis of selected topics like energy, agriculture, chemical industry etc.; Principles of environmental and sustainability governance; Instruments of environmental and sustainability governance compared on international level; New mechanisms in governance; Relevant actors of environmental and sustainability governance (administration, industry, media, science, NGOs etc.); International environmental and sustainability governance			
<b>Recommended reading</b>	Aden, Hartmut (2012): Umweltpolitik, Wiesbaden: VS-Verlag Jänicke, M. (1997): National Environmental Policies. Heidelberg: Springer Jänicke, M. et al. (1999): Lern- und Arbeitsbuch Umweltpolitik. Bonn: Dietz Jordan, A. (Hrsg.) (2004): Environmental Policy in the European Union: Actors, Institutions and Processes. London: Earthscan. Kraft, Michael E. (2011): Environmental policy and politics. 5th ed. Upper Saddle River: Pearson Education			
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	yearly			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>			presentation	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
<b>Total module attendance time</b>				56 h

## wir154 - Applied Industrial Organization

<b>Module label</b>	Applied Industrial Organization			
<b>Module code</b>	wir154			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Huse, Cristian (module responsibility)</li> </ul>			
<b>Prerequisites</b>	Microeconomics, Econometrics, Mathematics for Economists I			
<b>Skills to be acquired in this module</b>	<p>Students</p> <ul style="list-style-type: none"> <li>- are able to present and discuss basic theoretical models in Industrial Organization;</li> <li>- are able to present and discuss basic empirical models in Industrial Organization;</li> <li>- are able to evaluate the literature in Industrial Organization;</li> <li>- participate in discussions on the course topics, providing a critical assessment of the empirical strategies adopted, as well as the results</li> <li>- are able to implement basic empirical models in Industrial Organization;</li> </ul>			
<b>Module contents</b>	<p>The course covers topics in Industrial Organization including oligopoly; product differentiation; estimation of continuous and discrete choice models of demand; competition policy. The methods are an important point of departure of basic models in environmental and energy economics due to the study of more realistic market structures than the representative agent and perfect competition model, and the applications will emphasize markets with an important environmental footprint, such as the housing and transport sectors.</p>			
<b>Recommended reading</b>	<p>Belleflamme, P., &amp; Peitz, M. (2015). Industrial Organization: Markets and Strategies. Cambridge University Press. 2nd edition.  Motta, M. (2004). Competition policy: Theory and Practice. Cambridge University Press.  Tirole, J. (1988). The Theory of Industrial Organization: Jean Tirole. MIT press.  Davis and Garcés (2010). Quantitative techniques for Competition and Antitrust Analysis. Princeton University Press.</p>			
<b>Links</b>	<a href="https://uol.de/en/economics/applied-microeconomics/">https://uol.de/en/economics/applied-microeconomics/</a>			
<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten			Type of examination
<b>Final exam of module</b>	Course assessment is done via the completion of one or more empirical projects which implement some of the models presented in class, and/or a referee report and/or a test.		KL	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
<b>Total module attendance time</b>				56 h

---

## wir361 - Environment and inequality: socioeconomic linkages and policy instruments

<b>Module label</b>	Environment and inequality: socioeconomic linkages and policy instruments
<b>Module code</b>	wir361
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Vertiefungsmodule</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Rahmeier Seyffarth, Anelise (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li><li>• Rahmeier Seyffarth, Anelise (Module counselling)</li></ul>
<b>Prerequisites</b>	Keine/none
<b>Skills to be acquired in this module</b>	After the course, students should be able to: <ul style="list-style-type: none"><li>• understand the relevance of addressing inequality and environmental issues from an economic perspective</li><li>• know the primary measurements and indicators for inequality and environmental issues</li><li>• know the main policy instruments available to tackle inequality and environmental challenges</li><li>• understand the multifaceted relationships between inequality and environmental policy</li><li>• understand and apply state-of-the-art economic methods to analyze the implications of inequality and environmental policies</li><li>• write their research paper on a topic of their choice</li></ul>
<b>Module contents</b>	<p>Inequality and environmental matters are multidimensional, intertwined, and complex. They might unfold self-enforcing effects on human welfare, affecting economic growth, development, environment, social and political stability, health, education, and other fields.</p> <p>The current trends of inequality within and between countries are worrisome. At the same time, global warming and climate change severely and unequally affect human well-being and economies. Reducing poverty and inequality and fighting climate change – as central elements of the sustainable development goals (2030 Agenda) – should, thus, rank high on policy agendas. However, while some policy measures designed to reduce poverty and inequality could negatively affect the environment, environmental policies often cause undesirable distributional effects. Indeed, the distributive effects ('incidence') are becoming increasingly relevant for the political feasibility of environmental policies addressing, for example, climate change or biodiversity loss. Against this background, a more holistic approach integrating climate actions with measures to reduce poverty and inequality is necessary. In this course, we study these issues by applying and extending state-of-the-art environmental economics methods to analyze, understand and manage the distributional implications of environmental policies.</p> <p>Structure of the course:</p> <ul style="list-style-type: none"><li>• The lecture covers basic knowledge of inequality and environmental economics and policy</li><li>• The lectures will also encompass interactive sections with discussion rounds and educational games</li><li>• In the seminar, students will be encouraged and supported to stepwise develop their projects (e.g., analyzing the distributional impacts of the German carbon tax introduced in 2021 or addressing potential environmental impacts of fighting inequality in Latin America)</li><li>• During the seminar, students present their research sketches and work in progress</li><li>• Finally, in a block course, students present their final paper in the style of a scientific conference</li></ul>
<b>Recommended reading</b>	<p>Chancel, L., &amp; DeBevoise, M. B. (2020). Unsustainable inequalities: Social justice and the environment. The Belknap Press of Harvard University Press.</p> <p>Piketty, T. (2015). The Economics of Inequality (Translation Edition). Harvard University Press.</p> <p>or</p> <p>Piketty, T. (2020). Ökonomie der Ungleichheit: Eine Einführung (S. Lorenzer, Übers.; 3. Aufl.). C.H.Beck.</p> <p>The CORE team, The Economy. Available at: <a href="https://www.core-econ.org">https://www.core-econ.org</a>. [Accessed on 07.04.2022]</p>

---

---

**Links**

<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>				
<b>Module capacity</b>	unlimited			
<b>Type of module</b>	Pflicht / Mandatory			
<b>Module level</b>	AS (Akzentsetzung / Accentuation)			
<b>Teaching/Learning method</b>	Lectures including interactive sections with discussion rounds and educational games.			
<b>Previous knowledge</b>	-			
<b>Examination</b>	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>			Referat	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture			--	0
Seminar			--	0
<b>Total module attendance time</b>				0 h

---

# Wahlpflichtbereich

## inf030 - Programming, Algorithms and Data Structures

<b>Module label</b>	Programming, Algorithms and Data Structures
<b>Module code</b>	inf030
<b>Credit points</b>	9.0 KP
<b>Workload</b>	270 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Basiscurriculum</li><li>• Bachelor's Programme Computing Science (Bachelor) &gt; Basismodule</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Wirtschaftsinformatik</li><li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Dual-Subject Bachelor's Programme Computing Science (Bachelor) &gt; Basismodule</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Schönberg, Christian (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li></ul>
<b>Prerequisites</b>	No specialised prior knowledge required.

---

### Skills to be acquired in this module

Programming is one of the basic activities of computer scientists and a prerequisite for many other courses on the computer science degree programme. The aim of the '*Programming, Algorithms and Data Structures*' module is to learn the basic concepts of imperative, procedural and object-oriented programming using the Java programming language and to present known, efficient algorithms and data structures for various frequently occurring problems.

After completing the module, students should be able to independently develop imperative and simple object-oriented programmes based on Java to solve small problems and assess the efficiency of their programmes. They should also be able to apply important algorithms and select them based on their complexity.

### Subject-related competences

The students

- describe basic concepts of imperative programming with Java
- recognise the terminology of imperative programming and use the corresponding terms precisely in discussions
- recognise basic terminology of object-oriented programming
- describe what programmes presented to them do
- develop programmes independently to solve small problems
- systematically examine their own and other people's programmes for errors
- use modern programme development environments to develop and test programmes
- create algorithms with general design concepts (e.g. greedy method, divide-and-conquer method)
- name algorithms and data structures for solving frequently occurring problems and evaluate their applicability
- name problems of the efficiency of algorithmic solutions to specific problems and evaluate them
- select an algorithm and a data structure to solve a specific problem in a well-founded manner
- apply the algorithms and data structures they have learnt in a meaningful way to given and concrete problems

### Methodological competences

The students

- solve given problems from the point of view of imperative or object-

- 
- orientated programming
  - transfer practical experience in programme development to new tasks

### **Social competences**

The students

- communicate the structure and mode of operation of self-developed programmes to others
- present independently developed solutions to small tasks to groups

### **Self-competences**

The students

- organise themselves when finding algorithmic solutions for small and medium-sized problems in computer science
- incorporate the concepts of general programme design into their work

---

### **Module contents**

In the first part, general basic concepts of programming are introduced:

- Algorithm, programming languages, computer
- development tools, development phases
- compilers
- grammars
- Logic

The second part deals with basic programming concepts:

- data types
- variables
- expressions, statements
- control structures
- methods, parameters
- recursion
- reference data types, arrays
- classes, objects
- documentation
- testing

The third part contains an introduction to data structures and algorithms as well as a discussion of their efficiency, i.e. the computational effort and memory requirements depending on the amount of data to be processed. The module presents known, efficient algorithms and data structures for various frequently occurring problems. These include in particular

- methods for searching for keys, as well as insertion and deletion in dynamic data sets, e.g. lists, trees, AVL trees or hash methods,
- methods for searching for text patterns,
- methods for sorting data according to key values, e.g. QuickSort and HeapSort,
- graph-based applications, e.g. for determining the shortest paths in graphs.

The lecture section is supplemented by a comprehensive exercise section in which the programming content taught is implemented using practical examples.

---

### **Recommended reading**

#### **Essential**

- Lecture Notes (made available via Stud.IP during the course of the lecture)

#### **Recommended secondary literature**

- Dietmar Ratz, Jens Scheffler, Detlev Seese, Jan Wiesenberger: Grundkurs Programmieren in Java, Carl Hanser Verlag.
- Joachim Goll, Cornelia Heinisch: Java als erste Programmiersprache, Springer Vieweg Verlag
- Ottmann, Widmayer: Algorithmen und Datenstrukturen. Spektrum Verlag, 5. Auflage, 2012
- Sedgewick, Wayne: Algorithms. Addison Wesley, 4th ed., 2011
- Siege: Einführung in die Informatik. Shaker Verlag, 2013

Links				
<b>Language of instruction</b>		German		
<b>Duration (semesters)</b>		1 Semester		
<b>Module frequency</b>		every winter term		
<b>Module capacity</b>		unlimited		
<b>Teaching/Learning method</b>		V+Ü		
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>		At the end of the Semester	written exam / portfolio (short written exams) / oral exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		4	WiSe	56
Exercises		2	WiSe	28
<b>Total module attendance time</b>				<b>84 h</b>

---

## inf600 - Business Informatics I

<b>Module label</b>	Business Informatics I
<b>Module code</b>	inf600
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Basiscurriculum</li><li>• Bachelor's Programme Computing Science (Bachelor) &gt; Akzentsetzungsbereich - Wahlbereich Informatik</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Wirtschaftsinformatik</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Master of Education Programme (Gymnasium) Computing Science (Master of Education) &gt; Wahlpflichtmodule (Angewandte Informatik)</li><li>• Master of Education Programme (Hauptschule and Realschule) Computing Science (Master of Education) &gt; Mastermodule</li><li>• Master of Education Programme (Vocational and Business Education) Computing Science (Master of Education) &gt; Pflichtbereich</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Sauer, Jürgen (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li></ul>
<b>Prerequisites</b>	No participant requirements
<b>Skills to be acquired in this module</b>	<p>Business informatics regards itself as an interdisciplinary subject. It connects business administration with computer science. Business informatics also includes information technologies as well as technical subjects and research topics. It is more than just an intersection of research fields and offers e.g. special methods to coordinate corporate strategies and information processing. The module introduces the entire scope of the field of business informatics.</p> <p><b>Professional competence</b> The students:</p> <ul style="list-style-type: none"><li>• describe the key aspects of business informatics</li><li>• differentiate business informatics as an interdisciplinary subject from other subjects</li><li>• characterise the functionality of essential application systems and management structures, from the strategical to the tactical and operative level.</li><li>• consider and evaluate case studies and layout options for the conception, development, implementation, usage and maintenance of operational sociotechnical applications systems</li></ul> <p><b>Methodological competence</b> The students:</p> <ul style="list-style-type: none"><li>• model technical and sociotechnical processes using suitable tools</li><li>• analyse business processes and the demands on their modification and their technical assistance</li><li>• abstract from complex systems in a suitable way to improve the manageability of models</li></ul> <p><b>Social competence</b> The students:</p> <ul style="list-style-type: none"><li>• present their solutions in front of other groups</li><li>• discuss their outcomes</li></ul> <p><b>Self-competence</b> The students:</p> <ul style="list-style-type: none"><li>• develop solutions for case studies in groups</li><li>• construct an argument based on aquired knowledge</li></ul>

---

### Module contents



The main topics of business informatics are the presentation and evaluation of configuration options to conceptualise, develop, implement, use and maintain operational sociotechnical application systems. The lecture focusses on information systems of the networked company. Technical, economic, organisational, and psychosocial aspects are considered. The understanding of these relations will be trained by means of case studies taken from Laudon et al. (cf. suggested reading).

**The lecture gives an overview of the following business informatics fields:**

- Information systems, (object of BI)
- Application systems
- E-Commerce and E-Business
- Ethical, social and political aspects
- Business process integration
- Knowledge management
- Support of decision making
- Reorganisation of companies
- Economic evaluation For a better understanding of each subject, it is recommended to take specific modules later in the course of studies.

---

**Recommended reading**

- Laudon, Laudon, Schoder (2006): Wirtschaftsinformatik. Eine Einführung. Pearson Verlag Krallmann,
- Frank, Gronau (2002), Systemanalyse im Unternehmen Oldenbourg (Gebundene Ausgabe - Juni 2002)

---

**Links**

<b>Language of instruction</b>	German
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	every winter term
<b>Module capacity</b>	unlimited
<b>Teaching/Learning method</b>	V+Ü

Examination	Prüfungszeiten	Type of examination
-------------	----------------	---------------------

**Final exam of module**

At the end of the lecture period  
 Tasks and active partaking during the exercises / written exam or oral exam

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Exercises		2	WiSe	28
<b>Total module attendance time</b>				<b>56 h</b>

---

## inf601 - Business Informatics II

<b>Module label</b>	Business Informatics II
<b>Module code</b>	inf601
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum - Pflichtbereich</li><li>• Bachelor's Programme Computing Science (Bachelor) &gt; Akzentsetzungsbereich - Wahlbereich Informatik</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Wirtschaftsinformatik</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Master of Education Programme (Gymnasium) Computing Science (Master of Education) &gt; Wahlpflichtmodule (Angewandte Informatik)</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Marx Gómez, Jorge (module responsibility)</li><li>• Bremer-Rapp, Barbara (module responsibility)</li><li>• Solsbach, Andreas (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li></ul>
<b>Prerequisites</b>	No participant requirements

---

### Skills to be acquired in this module

The module provides the fundamentals and tasks of information management to create an IT strategy. Tasks are especially considered from a strategic perspective and brought closer by methodological skills for each task.

#### Professional competence

The students:

- name the strategic aspects of information management and identify their impact on technical and operational information management
- examine the essential questions of enterprise reorganization in connection with an information system and recognize the influence of the Internet and its services on commercial processes and information systems by an exemplary system, e.g. SAP R/3
- identify different approaches to information management (Information Resource Management, Management approach, management approach, personal information management) and understand why determining the value of information management is necessary and how it is done
- specify the objectives of information management, differentiate and classify its tasks appropriately
- recognize the methodological characteristics of information management
- transfer the concept of architecture to the information infrastructure
- assess the importance to plan features for strategic IT-design oriented on IT-architecture
- schedule the procedures concerning the strategical situation analysis of the competition analysis, the information infrastructure and the environmental analysis with the objective to transfer them to simple problems
- name the key contents of strategical IT objectives and are aware of difficulties in determining the measurement category
- identify and learn the scope and central tasks of business process and environmental management (as excursion) and the significance for information management

#### Methodological competence

- The students:
- perform information management tasks using methods of Information Engineering and thereby learn how to transfer and employ the methods to other fields, e.g. economy
- learn by practice advantages and disadvantages of different methods and can use them as part of the optimized IT strategy based on the acquired knowledge.

#### Social competence

The students:

- construct solutions to case studies given in the group, i.e. the development of an IT strategy
- discuss the solutions on a technical level
- present the solutions to case studies as part of the exercises

**Self-competences**

The Students:

- accept criticism and understand it as a precondition for the further development of one's own actions

**Module contents**

The proportion of information technology in the investment budget of companies is rising continuously. For instance, banks spend 25% of all investments for their information systems. Information is not just a production factor, it is also an element of competition. Information is increasingly important for business. The business informatics deals with these economic tasks of information technology. Information systems in businesses and organisations are of central concern. The interdisciplinary nature of business informatics raises questions about proceedings, problems of models (modelling in a narrow sense) and the application in specific problem domains.

**Contents of this module are:**

- Information management principles and tasks
- IT architectures
- Infrastructure of information and communication technology
- Strategic, administrative and operative information engineering

**Recommended reading**

- Heinrich, Stelzer (2011): Informationsmanagement: Grundlagen, Aufgaben, Methoden. Oldenbourg Verlag.
- Laudon, Laudon, Schoder (2010): Wirtschaftsinformatik: Eine Einführung. Pearson Verlag.
- Krcmar (2015): Informationsmanagement. Springer Verlag.
- Heinrich, L., Riedl, R., Stelzer, D., et al. (2014). Informationsmanagement. Grundlagen, Aufgaben, Methoden. Berlin, Boston: De Gruyter Oldenbourg.

**Links**

<http://www.wi-ol.de>

<b>Language of instruction</b>	German		
<b>Duration (semesters)</b>	1 Semester		
<b>Module frequency</b>	annual		
<b>Module capacity</b>	unlimited		
<b>Teaching/Learning method</b>	V+Ü		
<b>Examination</b>	Prüfungszeiten	Type of examination	
<b>Final exam of module</b>	Usually two weeks after lecture time	Written or oral exam.	

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe	28
Exercises		2	SuSe	28
<b>Total module attendance time</b>				<b>56 h</b>

## sow019 - Introduction to sociology

<b>Module label</b>	Introduction to sociology	
<b>Module code</b>	sow019	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Social Studies (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Social Studies (Bachelor) &gt; Basismodule</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Heidenreich, Martin (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>Nach Abschluss des Moduls sind die Studierenden mit grundlegenden Fragestellungen, Konzepten und Ansätzen der Soziologie vertraut. Das Modul vermittelt einen Einblick in die soziologische Denkweise sowie zentrale soziologische Konzepte. Das Modul ist ein Teil der sozialwissenschaftlichen Grundbildung und schafft die Voraussetzungen für das Verständnis und die Anwendung soziologischer Theorien. Die Studierenden lernen zentrale Grundbegriffe der Soziologie und ausgewählte Ansätze zur Erklärung sozialen Handelns und sozialer Ordnungen kennen und verstehen, wie aus dem Zusammenleben von Menschen soziale Tatbestände entstehen und wie soziale Ordnungen das Zusammenleben von Menschen mit eigenen Interessen regulieren und sich Gesellschaft bilden kann. Weiterhin werden die Studierenden in Grundzüge wissenschaftlichen Arbeitens eingeführt.</p>	
<b>Module contents</b>	<p>„Soziologie ist die Wissenschaft von den Bedingungen und Strukturen des sozialen Handelns und den verschiedenen, sich daraus ergebenden Formen der Vergemeinschaftung und Vergesellschaftung. Zu ihrem Gegenstandsbereich gehören auch die sozialen Prozesse, die sowohl die Kontinuität bestimmter sozialer Strukturen und Institutionen gewährleisten als auch ihren Wandel bewirken.“ (Korte/Schäfers 2006: 7)</p> <p>Die Vorlesung erläutert zentrale Konzepte der Soziologie (Soziologie, soziologische Fragestellungen und Erklärungsstrategien, soziales Handeln, soziale Rollen und Normen, Werte und soziale Kontrolle, Sozialisation, abweichendes Verhalten, soziale Ungleichheiten, soziale Strukturen und soziale Systeme, Macht und Herrschaft, sozialer Konflikt und sozialer Wandel, Organisationen, Institutionen und Gesellschaft). Diese Begriffe sollen im Kontext ausgewählter soziologischer Debatten und Theorien verortet werden.</p>	
<b>Recommended reading</b>	<p>Texte werden so weit wie möglich in StudIP bzw. Readerform bereitgestellt und sollen VOR und WÄHREND der Veranstaltungszeit gelesen werden. Diese Texte werden weitgehend den folgenden Einführungstexten entnommen:</p> <ul style="list-style-type: none"> <li>• Abels, Heinz (2009a und b): Einführung in die Soziologie. 2Bde (4. Auflage). Wiesbaden: VS.</li> <li>• Bahrtdt, Hans Paul, 2003: Schlüsselbegriffe der Soziologie. Eine Einführung mit Lehrbeispielen (6. Auflage). München: Beck</li> <li>• Joas, Hans, 2007: Lehrbuch der Soziologie (3. Auflage). Frankfurt/M.: Campus</li> <li>• Korte, Hermann; Bernhard Schäfers, 2010: Einführung in Hauptbegriffe der Soziologie (8.Auflage). Wiesbaden: VS.</li> </ul>	
<b>Links</b>		
<b>Languages of instruction</b>	German, English	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	KL	

---

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Seminar		2	WiSe	28
<b>Total module attendance time</b>				<b>56 h</b>

## sow021 - Introduction to political science

<b>Module label</b>	Introduction to political science			
<b>Module code</b>	sow021			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Social Studies (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) &gt; Basismodule</li> <li>• Dual-Subject Bachelor's Programme Social Studies (Bachelor) &gt; Basismodule</li> <li>• Erweiterungsfach Gymnasium Politik-Wirtschaft (Extension tray) &gt; Module</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Juen, Christina-Marie (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p><b>Inhaltlich:</b> Nach Abschluss des Moduls sind die Studierenden in der Lage, die wichtigsten Konzepte, Methoden und Forschungsinhalte der Politikwissenschaft eigenständig auf politikwissenschaftliche Phänomene anzuwenden.</p> <p><b>Formal:</b> Erwerb der Fähigkeit, sich ein politikwissenschaftliches Phänomen exemplarisch zu erarbeiten und es in systematische Zusammenhänge einzuordnen, sowie der Fertigkeit, ein politikwissenschaftliches Phänomen analytisch zu beschreiben und eigene Einsichten schriftlich und mündlich darzustellen.</p>			
<b>Module contents</b>	<p>Das Modul bietet eine Einführung in die wichtigsten Konzepte, Methoden und Forschungsinhalte der Politikwissenschaft. Die Vorstellung der Akteure, Mechanismen und Institutionen politischer Systeme erfolgt auf Basis einer empirisch-analytischen Forschungsausrichtung, die sich darauf konzentriert Theorien zu politikwissenschaftlichen Phänomenen zu entwickeln und zu testen.</p> <p>Das Modul bietet u.a. eine Einführung in die Themen Regierungssysteme, Wahlsysteme, Parteiensysteme, Interessengruppen und soziale Bewegungen, Massenmedien, Legislative, Judikative, öffentliche Verwaltung und die internationalen Beziehungen.</p>			
<b>Recommended reading</b>	<ul style="list-style-type: none"> <li>• Bernauer, Thomas, Detlef Jahn, Patrick Kuhn &amp; Stefanie Walter (2013). Einführung in die Politikwissenschaft, 2. überarbeitete Auflage, Baden-Baden: Nomos.</li> <li>• Shepsle, Kenneth A. (2010). Analyzing Politics. Rationality, Behavior and Institutions, 2nd Edition, New York: W.W. Norton.</li> </ul>			
<b>Links</b>				
<b>Languages of instruction</b>	German, English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>			KL	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Seminar		2	WiSe	28
<b>Total module attendance time</b>				56 h

## wir021 - Double Entry Bookkeeping & Financial Statements under German Law (HGB)

<b>Module label</b>	Double Entry Bookkeeping & Financial Statements under German Law (HGB)			
<b>Module code</b>	wir021			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum - Pflichtbereich</li> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Sextroh, Christoph (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>	none			
<b>Skills to be acquired in this module</b>	Participants... 1. understand financial accounting as the basis of corporate data and bookkeeping 2. gain comprehensive knowledge of main accounting areas such as procurement, sales, HR, inventory, tax, provisions etc. 3. obtain basic knowledge about annual report process of single entities.			
<b>Module contents</b>	The main objective of this module is to give the students an overview of the double entry bookkeeping as well as the link between financial accounting, balance sheet and income statement. The acquisition of basis knowledge of the corporate accountancy stands in the foreground, for example, how organizations manage the bookkeeping, legal basis of the annual accounts, creating an inventory, content of accounting and income statement.			
<b>Recommended reading</b>	Coenberg et al. (2014): Einführung in das Rechnungswesen (5. Aufl.), Schäffer-Poeschel, Stuttgart. Döring, U. & Buchholz, R. (2015): Buchhaltung und Jahresabschluss (14. Aufl.), Erich Schmidt, Berlin.  An additional script is provided.			
<b>Links</b>	<a href="http://www.uni-oldenburg.de/accounting/">http://www.uni-oldenburg.de/accounting/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	at the end of the semester	final exam		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture		2		28
Tutorial		2	WiSe	28
<b>Total module attendance time</b>				56 h

## wir032 - Managerial Accounting

<b>Module label</b>	Managerial Accounting		
<b>Module code</b>	wir032		
<b>Credit points</b>	6.0 KP		
<b>Workload</b>	180 h		
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Basismodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>		
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Sextroh, Christoph (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>		
<b>Prerequisites</b>			
<b>Skills to be acquired in this module</b>	This course is an introduction to the use of accounting information by managers for decision-making, planning and control. It is designed to equip students with the concepts and techniques of management accounting for identifying and resolving strategic issues faced by managers in various business contexts.		
<b>Module contents</b>	See leading textbook		
<b>Recommended reading</b>	Seal et al., Management Accounting, Mcgraw-Hill Education Ltd, 5. Edition		
<b>Links</b>	<a href="http://www.uni-oldenburg.de/accounting/">http://www.uni-oldenburg.de/accounting/</a>		
<b>Language of instruction</b>	English		
<b>Duration (semesters)</b>	1 Semester		
<b>Module frequency</b>	jährlich		
<b>Module capacity</b>	unlimited		
<b>Reference text</b>	Vorlesung auf Englisch		
Examination	Prüfungszeiten	Type of examination	
<b>Final exam of module</b>	end of term	written exam	
Type of course	Comment	SWS	Frequency
			Workload of compulsory attendance
Lecture		2	28
Tutorial		2	28
<b>Total module attendance time</b>			56 h



## wir040 - Introduction to Constitutional Law and Foundations of Public Economic Law

<b>Module label</b>	Introduction to Constitutional Law and Foundations of Public Economic Law		
<b>Module code</b>	wir040		
<b>Credit points</b>	6.0 KP		
<b>Workload</b>	180 h		
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Recht</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Recht</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>		
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Boehme-Neßler, Volker (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Rüscher, Vera (authorised to take exams)</li> </ul>		
<b>Prerequisites</b>			
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• will have a basic knowledge of German Constitutional Law and a more advanced knowledge of exemplary problems with the Constitution</li> <li>• will have critically worked with the most important leading cases of the German Bundesverfassungsgericht (Constitutional Court)</li> <li>• will be able to analyse Constitutional Law in its political, historical, and economic context</li> </ul>		
<b>Module contents</b>	<ul style="list-style-type: none"> <li>• position of the constitution in the hierarchy of norms</li> <li>• constitutional theory: the special character of a constitution</li> <li>• a short history of the German Basic Law (Grundgesetz)</li> <li>• constitutional/political background of the Basic Law</li> <li>• the organisation of the state</li> <li>• the aims of the German Basic Law</li> <li>• exemplary investigations: Democracy and the Rule of Law</li> <li>• Art. 12 GG, freedom of occupation</li> <li>• Art. 14 GG, freedom of property</li> </ul>		
<b>Recommended reading</b>	<ul style="list-style-type: none"> <li>• Stein, Ekkehart/ Frank, Götz: Staatsrecht, 21. Aufl. 2010. Mohr Siebeck</li> <li>• Morlok, Martin &amp; Michael, Lothar: Staatsorganisationsrecht, 2. Auflage, Nomos 2015</li> <li>• Degenhart, Christoph: Staatsrecht I Staatsorganisationsrecht: Mit Bezügen zum Europarecht, 30. Auflage, C.F. Müller 2015</li> <li>• Katz, Alfred: Staatsrecht: Grundkurs im öffentlichen Recht, 18. Auflage, C.F. Müller 2010</li> </ul>		
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>		
<b>Language of instruction</b>	German		
<b>Duration (semesters)</b>	2 Semester		
<b>Module frequency</b>	jährlich		
<b>Module capacity</b>	unlimited		
Examination	Prüfungszeiten	Type of examination	
<b>Final exam of module</b>	end of module	written exam	
<b>Type of course</b>	Lecture		
<b>SWS</b>	4		
<b>Frequency</b>			
<b>Workload attendance time</b>	56 h		

## wir060 - Financial Accounting

<b>Module label</b>	Financial Accounting			
<b>Module code</b>	wir060			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Sextroh, Christoph (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>	none			
<b>Skills to be acquired in this module</b>	<p>The students</p> <ul style="list-style-type: none"> <li>• obtain knowledge on IFRS accounting in general and specific topics such as financial instruments, intangible assets and provisions;</li> <li>• understand the framework of IFRS;</li> <li>• understand the international focus and necessity of IFRS;</li> <li>• obtain knowledge on IFRS from both a legal and economic perspective.</li> </ul>			
<b>Module contents</b>	This module is based on accounting and annual financial statement, while focusing exclusively on the international financial reporting standards (IFRS). In terms of content, the course covers subjects such as the most important concepts, tangible and intangible assets as well as liability items on the basis of the fundamental standards and case studies.			
<b>Recommended reading</b>	<p>Picker et al. (2012): Applying International Financial Reporting Standards, 3rd edition.  Palepu et al. (2016): Business Analysis and Valuation – IFRS Edition, 4th edition.  International Financial Reporting Standards (IFRS)  Lecture notes with additional references will be provided via the e-learning platform Stud.IP.</p>			
<b>Links</b>	<a href="http://www.uni-oldenburg.de/accounting/">http://www.uni-oldenburg.de/accounting/</a>			
<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>	Lectures are held in English; tutorials are held in English or German.			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	At the end of the semester; a midterm exam might be held during the semester.	written exam		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture		2		28
Exercise or tutorial		2	--	28
<b>Total module attendance time</b>				<b>56 h</b>

## wir070 - Principles of Marketing

<b>Module label</b>	Principles of Marketing	
<b>Module code</b>	wir070	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Computing Science (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft more...</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Alavi, Sascha (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>	keine	
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• recognize and provide solutions to challenges in market-oriented business management</li> <li>• reflect on market-oriented business management with regard to practise, as well as related societal and ethical implications</li> <li>• actively participate in scholarly marketing discourse</li> <li>• build their own capacities to acquire knowledge and skills within the discipline</li> </ul>	
<b>Module contents</b>	The module focuses on the fundamentals of marketing in the sense of market-orientated management by linking philosophy and theoretical connections, as well as the necessary analytical and methodical knowledge with concrete case studies.	
<b>Recommended reading</b>	<p>Bruhn, M. (2010), Marketing. Grundlagen für Studium und Praxis, Gabler, Wiesbaden.</p> <p>Hansen, U. &amp; Bode, M. (1999), Marketing &amp; Konsum. Vahlen, München. (in excerpts)</p>	
<b>Links</b>	<a href="http://www.uni-oldenburg.de/marketing">www.uni-oldenburg.de/marketing</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	end of term	written exam; voluntary contributions that improve grades may undertaken as 'portfolio-presentations'

---

Examination		Prüfungszeiten		Type of examination during tutorials	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance	
Lecture		2	--	28	
Seminar and tutorial		2	WiSe	28	
<b>Total module attendance time</b>				<b>56 h</b>	

## wir083 - Purchasing, Operations, and Logistics Management

<b>Module label</b>	Purchasing, Operations, and Logistics Management			
<b>Module code</b>	wir083			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Aufbaucurriculum - Pflichtbereich</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Management und Ökonomie</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Busse, Christian (module responsibility)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	Students obtain an overview of the most important operational functions of an industrial or service company. These are procurement, production and logistics. Students will get to know typical operational challenges and familiarize themselves with established approaches and methods for analyzing and improving procurement, production and logistics operations.			
<b>Module contents</b>	The module comprises a lecture (course number 2.02.231) and an accompanying tutorial (course numbers 2.02.231a to 2.02.231j). The lecture is based on the text book "Grundzüge der Beschaffung, Produktion und Logistik" by Kummer, Grün und Jammernegg in the third edition of 2013 and the associated workbook, as well as partly on the text book "Operations Management: Konzepte, Methoden und Anwendungen" by Thonemann in the third edition of 2015. The purpose of the lecture is to explain the fundamental problems and their solutions theoretically. The tutorials focus on application and practice and offer time for questions. There are no formal or content-related participation or entrance requirements.			
<b>Recommended reading</b>	Kummer, S., Grün, O. und Jammernegg, W. (2013): Grundzüge der Beschaffung, Produktion und Logistik (3. Auflage), Pearson Thonemann, U. (2015): Operations Management (3. Auflage), Pearson.			
<b>Links</b>				
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>	The module takes place in the summer semester. Please refer to the syllabus available via Stud.IP for a more detailed description of content and procedure.			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>		KL		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture		2	SuSe and WiSe	28
Tutorial		2	SuSe and WiSe	28
<b>Total module attendance time</b>				56 h

---

## wir090 - Human Resource Management

<b>Module label</b>	Human Resource Management
<b>Module code</b>	wir090
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h

### Applicability of the module

- Bachelor's Programme Business Administration and Law (Bachelor) > Aufbaubereich Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Akzentsetzungsbereich Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Wahlbereich Informatik, Kultur und Gesellschaft
- Bachelor's Programme Comparative and European Law (Bachelor) > Module
- Bachelor's Programme Computing Science (Bachelor) > Wahlbereich Informatik, Kultur und Gesellschaft more...
- Bachelor's Programme Economics and Business Administration (Bachelor) > Akzentsetzungsmodule
- Bachelor's Programme Sustainability Economics (Bachelor) > Wahlpflichtbereich
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Aufbaumodule
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Schwerpunkt Management und Ökonomie
- Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) > Mastermodule
- Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master)

### Responsible persons

- Junker-Michel, Mareike (Module counselling)
- Breisig, Thomas (Module counselling)
- Lehrenden, Die im Modul (authorised to take exams)
- Breisig, Thomas (module responsibility)

### Prerequisites

keine

### Skills to be acquired in this module

Upon completion of the module (two complementary lectures), students will be able to: - understand the complex issues, challenges and fields of action in organisational Human Resource (HR) Management; - analyse, interpret and manage HR issues within heterogeneous fields of stakeholders and environments; - effectively analyse and apply HR instruments according to the specific practical context; - develop skills to self-reflection by dealing with theoretical as well as practical issues in HR Management and are able to press their point within the scientific discussion; - are able to locate a specific research question within the scientific discussion in the field of Human Resource Management and to interlink, reflect and evaluate it accordingly. By attending the non-compulsory tutorials and participating in lecture discussions, students can develop their own position on the inter-linkages between theoretical approaches and practical courses of action. Students will thus be able to identify problems, analyse them critically, and develop solutions. As they have the opportunity to work in small groups within the tutorials and to participate during lecture discussions, students may also learn to handle different points of view and discuss constructively. Overall they will be prepared for the specific requirements faced in the field of HR Management.

### Module contents

Students develop theoretical as well as practical insights into the backgrounds and specific characteristics of "Human Resource" Management, in particular the following: - origins and theoretical basis - development and framework requirements - workforce planning - recruitment and selection - work organisation - working time organisation - leadership - performance reviews - training and development - compensation - staff reduction

---

**Recommended reading**

Berthel, J. / Becker, F. D. (2013), Personal-Management. Grundzüge für Konzeptionen betrieblicher Personalarbeit, 10th edition, Schäffer-Pöschel, Stuttgart. Breisig, T. / Michel, M. (2016): Personal: Grundlagen und Handlungsfelder aus arbeitspolitischer Perspektive, 2nd edition, NWB, Herne. Oechsler, W.A. / Paul, C. (2015), Personal und Arbeit. Einführung in das Personalmanagement, 10th edition, de Gruyter, Berlin et al. Scholz, C. (2014), Personalmanagement. Informationsorientierte und verhaltenstheoretische Grundlagen, 6th edition, Vahlen, München. Further literature will be announced during the semester according to the particular lecture/seminar content.

---

**Links**

[www.uol.de/orgpers](http://www.uol.de/orgpers)

---

<b>Language of instruction</b>	German
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	jährlich
<b>Module capacity</b>	unlimited
<b>Previous knowledge</b>	Practical experiences in human resources and basic knowledge of business administration are helpful

---

Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	At the end of the lecture period and at the end of the semester written exam	

---

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		4		56
Exercises	freiwillig	2	WiSe	28
<b>Total module attendance time</b>				<b>84 h</b>

---

## wir100 - Corporate Strategy

<b>Module label</b>	Corporate Strategy	
<b>Module code</b>	wir100	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Hoppmann, Jörn (module responsibility)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>The goal of the course is that students are able to</p> <ul style="list-style-type: none"> <li>- know and understand basic concepts, instruments, and theories of strategic management</li> <li>- analyze company strategies by applying conceptual frameworks</li> <li>- understand the advantages and disadvantages of common instruments and models and critically evaluate their applicability</li> <li>- independently develop strategic options and derive recommendations for their implementation in real-life settings</li> </ul>	
<b>Module contents</b>	<p>The course offers a comprehensive overview of the models and instruments of strategic management and discusses their application using examples from corporate practice. Key topics covered in this context include (1) strategy and competitiveness, (2) strategy processes and strategic decision-making, (3) internal, external, and integrated strategy analysis, (4) strategic positioning, (5) internationalization and innovation strategies, (6) business model innovation, (7) strategy implementation and strategic change, (8) strategic leadership, and (9) corporate governance. The course concludes with a written exam.</p>	
<b>Recommended reading</b>	<p>Rothaermel, F.T. (2012): Strategic Management (1. Auflage), McGraw-Hill Education, New York.</p> <p>Wunder, T. (2016): Essentials of Strategic Management: Effective Formulation and Execution of Strategy (1. Auflage), Schäffer Poeschel, Stuttgart.</p>	
<b>Links</b>		
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>		



Examination	Prüfungszeiten	Type of examination
		Exam

  

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercise or tutorial		2	WiSe	28
<b>Total module attendance time</b>				<b>56 h</b>

## wir130 - Civil Law and Commercial Law

<b>Module label</b>	Civil Law and Commercial Law	
<b>Module code</b>	wir130	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Akzentsetzungsmodule</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Berufliche Bildung</li> <li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Management und Ökonomie</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Rott, Peter (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>The students:</p> <ul style="list-style-type: none"> <li>- are familiar with the legal working methods, basic concepts of law in general and of civil law and commercial law in particular,</li> <li>- are familiar with the law of obligation and law of property, in particular with contract law, as well as with commercial law, which are the main fields of interest in the future professional practice,</li> <li>- are able to solve legal cases in a goal-oriented way,</li> <li>- are able to find approaches for legal problems as well as recognize liability risks and how to deal with them,</li> <li>- are in case of contract negotiations able to recognize the requirements for regulations and to evaluate consequences of regulation.</li> </ul>	
<b>Module contents</b>	<p>In this module students will learn the basic concepts of civil law, commercial law and company law. The main focus are the first two books and to some extent the third book of the BGB. After an introduction to the legal system and the legal sources of private law, the course will deal with the persons and objects of legal relations (legal subjects and objects). An introduction into general contract law (among others: transaction doctrine, representation, termination of obligations, arrears, defaults) follows then. Subsequently, the lecture will handle the main types of contracts of civil law, commitment and performance of transactions and ownership and possession. The focus of the commercial law will be the determination of traits of merchandiser, the company law, the commercial register and legal liability issues as well as cross-border trade. This is followed by an introduction into company law.</p> <p>Subjects of the module: Introduction into legal studies, basic principles of law, private law / public law, legal sources, general part of the civil code, law of obligations (without law of torts): contracts, type of contracts, defaults / breaches, law of terms and conditions; parts of property law. Traits of merchandiser, company; commercial register; Representation in commercial law (procurator, action and charging power of attorney); commercial transactions; forms and consequences of the change of the owner; commercial agents and brokers; customary law / trade terms; CISG; partnership / corporate law.</p> <p>The module will enable students to evaluate complex legal relationships in the economy discretely.</p>	
<b>Recommended reading</b>	<p>Führich, E., Wirtschaftsprivatrecht, 13. Aufl., 2017.  Meyer, Wirtschaftsprivatrecht, 8. Aufl., 2016.  Taeger, J., Wirtschaftsprivatrecht, 5. Aufl., 2013.</p>	
<b>Links</b>	<a href="http://www.privatrecht.uni-oldenburg.de/">http://www.privatrecht.uni-oldenburg.de/</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	2 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	end of semester	written exam

---

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		4		56
Exercises		2	WiSe	28
<b>Total module attendance time</b>				<b>84 h</b>

---

## wir140 - Foundations of EU Economic Law and Principles of Labour Law

<b>Module label</b>	Foundations of EU Economic Law and Principles of Labour Law
<b>Module code</b>	wir140
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Basiscurriculum Recht</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Akzentsetzungsmodule</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Berufliche Bildung</li><li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Management und Ökonomie</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Lehrenden, Die im Modul (authorised to take exams)</li><li>• Godt, Christine (module responsibility)</li><li>• Brors, Christiane (module responsibility)</li></ul>
<b>Prerequisites</b>	Keine
<b>Skills to be acquired in this module</b>	<p>The students will:</p> <ul style="list-style-type: none"><li>• be able to understand the institutional framework of the EU as well as the thereto related tensions between supranationalism and intergovernmentalism,</li><li>• be able to apply the legal norms inherent in the EU multilevel system of governance to selected areas of EU law, and most notably to the fundamental freedoms,</li><li>• be able to resolve labour law matters in the light of contractual law,</li><li>• understand how labour law is embedded in civil law,</li><li>• be able to understand the relevance of labour law to society,</li><li>• be able to understand the influence and framework of European labour law,</li><li>• learn to understand the peculiarities of the labour law,</li><li>• be able to identify the specific interests of parties to an employment contract and to find corresponding legal solutions in event of a conflict.</li></ul>
<b>Module contents</b>	<p>The module explores the foundations of European economic law as well as the fundamentals of labour law in two (consecutive) lectures. The course 'Foundations of EU Economic Law' offers students an overview of the law of the European Union. It covers the following topics:</p> <ul style="list-style-type: none"><li>• The historical development of the EU;</li><li>• The institutional framework and principles of the EU (effect, formation, relationship with national law);</li><li>• The principles of the internal market (with a special focus on the fundamental freedoms and the doctrine of negative integration);</li><li>• An introduction to the regulation of selected economic policies (positive integration, e.g. product regulation, competition law)</li></ul> <p>As regards the content of the second course – 'Principles of Labour Law' - the following topics will be covered:</p> <ul style="list-style-type: none"><li>• The legal foundations of labour law, the integration of labour law into the hierarchy of norms (ordinary law, constitutional law, EU law);</li><li>• Individual labour law (the establishment and termination of employment relationships, severance/termination agreements, dismissal, notice period, the Unfair Dismissal Protection Act)</li><li>• Rights and obligations of employees and employers (breach of contract, pay without work, liability);</li><li>• Overview of collective labour law;</li><li>• Overview of labour court procedures.</li></ul>
<b>Recommended reading</b>	<p>Kilian, W./Wendt, D. H. (2017), Europäisches Wirtschaftsrecht, 6. Aufl., Nomos, Baden-Baden.</p> <p>Hakenberg, W. (2015), Europarecht, 7. Aufl., Vahlen, München.</p>

---

Streinz, R. (2016), Europarecht, 10. Aufl., C.F. Müller, Heidelberg

<b>Links</b>	<a href="http://www.fk2.uni-oldenburg.de/InstRW/arre/">http://www.fk2.uni-oldenburg.de/InstRW/arre/</a> <a href="https://www.uni-oldenburg.de/eurowr/">https://www.uni-oldenburg.de/eurowr/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	2 Semester			
<b>Module frequency</b>	anually			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	end of semester	written test		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2	WiSe	28
<b>Total module attendance time</b>				56 h

## wir155 - Empirical Research Project

<b>Module label</b>	Empirical Research Project	
<b>Module code</b>	wir155	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h ( davon Präsenz: 56 Stunden )	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Bitzer, Jürgen (module responsibility)</li> <li>• Dannemann, Bernhard (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>Die Studierenden</p> <ul style="list-style-type: none"> <li>-können eine Fragestellung entwickeln und diese empirisch analysieren,</li> <li>-können Daten sammeln und Aufbereiten,</li> <li>-können empirischen Analyse mit Hilfe von aktuellen Softwareprogrammen durchführen,</li> <li>-können ihren Arbeitsfortschritt und die Ergebnisse ihrer Analyse präsentieren.</li> </ul>	
<b>Module contents</b>	<p>Das Modul ist ein Angebot im Bereich des forschungsorientierten Lehren und Lernen. Das Modul besteht aus einer Vorlesung und einem Seminar. Jeder Studierende wählt frei ein Thema aus, zu dem er eine empirische Analyse durchführt. Der Fortschritt der Arbeit wird in zweiwöchigem Abstand den anderen Teilnehmern vorgestellt und diskutiert. Im abschließenden Seminar werden die Ergebnisse präsentiert und eine schriftliche Ausarbeitung dazu angefertigt.</p>	
<b>Recommended reading</b>	Hängt vom gewählten Thema ab.	
<b>Links</b>		
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jedes Semester	
<b>Module capacity</b>	unlimited	
<b>Reference text</b>	<p>Die Veranstaltung kann in den Modulen ``Ausgewählte Themen der Volkswirtschaftslehre" (wir420) und ``Ausgewählte Themen der Betriebswirtschaftslehre (wir410)" in das Studium eingebracht werden.</p>	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	Variiert nach Prüfungsleistung	Präsentation mit Ausarbeitung
<b>Type of course</b>	Seminar	
<b>SWS</b>	4	
<b>Frequency</b>	SuSe or WiSe	
<b>Workload attendance time</b>	56 h	

## wir160 - Entrepreneurship

<b>Module label</b>	Entrepreneurship
<b>Module code</b>	wir160
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Computing Science (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> <li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li> </ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Nicolai, Alexander (module responsibility)</li> </ul>
<b>Prerequisites</b>	none
<b>Skills to be acquired in this module</b>	<p>The module introduces to the basics of Entrepreneurship Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>- understand the challenges of launching an enterprise,</li> <li>- strategically analyse the structure of market</li> <li>- understand how employees are able to behave like an entrepreneur in established enterprises</li> <li>- develop innovative business ideas</li> <li>- shape the key factors for realizing a business idea</li> <li>- demonstrate a knowledge of the entrepreneurial process</li> <li>- demonstrate a knowledge of cost accounting (especially break-even analysis, etc.) and will be able to calculate costs by themselves</li> <li>- analyse and evaluate business models</li> </ul>
<b>Module contents</b>	<p>The module combines the lecture "Strategie und Entrepreneurship" with a tutorial. It investigates the challenges of launching enterprises and entrepreneurial behaviour in large companies as well. The content of the module follows the process of an entrepreneur. It starts with business ideas, their perception, and evaluation. In addition, it deals with the most important questions of development and management of new business models. The contents of the courses include the following topics:</p> <ul style="list-style-type: none"> <li>- historical, institutional, and theoretical context</li> <li>- development, evaluation, and pitching ideas</li> <li>- business models</li> <li>- building entrepreneurial teams</li> <li>- entrepreneurship in large enterprises</li> <li>- resources and finance</li> <li>- management of growth</li> </ul>
<b>Recommended reading</b>	<p>Corsten, H. (Hrsg.) (2002): Dimensionen der Unternehmensgründung. Berlin: Schmidt.</p> <p>Klandt, H. (2005): Gründungsmanagement (2. Aufl.), Oldenbourg, München.</p> <p>Fueglistaller, Urs/Müller, Chrsitoph/Müller, Susan/Volery, Thierry (2016): Entrepreneurship. Modelle – Umsetzung – Perspektiven. Mit Fallbeispielen aus Deutschland, Österreich und der Schweiz (4. Auflage), Gabler Verlag/Springer Fachmedien, Wiesbaden.</p> <p>Grichnik, Dietmar/Brettel, Malte/Koropp, Christian/Mauer, René (2010): Entrepreneurship. Unternehmerisches Denken, Entscheiden und Handeln in innovativen und technologieorientierten Unternehmungen. Schäffer-Pöschel Verlag, Stuttgart.</p> <p>Grant, R. M., Nippa, M. (2006): Strategisches Management: Analyse, Entwicklung und Implementierung von Unternehmensstrategien (5. Aufl.), Pearson Studium, München.</p>

<b>Links</b>	<a href="http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/lehrangebot-wise-20162017/">http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/lehrangebot-wise-20162017/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Reference text</b>	The lecture "Strategie und Entrepreneurship" must be attended in combination with the "Tutorium".			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	at the end of the semester	written exam		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Course or seminar		2	WiSe	28
Tutorial		2		28
<b>Total module attendance time</b>				<b>56 h</b>



## wir200 - Principles of Organisation

<b>Module label</b>	Principles of Organisation	
<b>Module code</b>	wir200	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Computing Science (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Breisig, Thomas (module responsibility)</li> <li>• Prokop, Jörg (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Bartel, Teodora (Module counselling)</li> <li>• Breisig, Thomas (Module counselling)</li> </ul>	
<b>Prerequisites</b>	Keine	
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to: - explain and apply the approaches and instruments of organisational sciences; - demonstrate a familiarity with the basic assumptions, strategies, and core themes of organisational theories and are able to compare and reflect upon them; - know different forms of organisational design and are able to differentiate them; - know how to identify and predict issues and developments within operational and organisational structures and processes; - demonstrate an awareness of the relevance of organisational culture, can describe its characteristics and discuss different analytical techniques; - describe and analyse processes of organizational change, can point out their influences on strategy, organisational culture, operational and organisational structure, and estimate the relevance of change process initiation; - work cooperatively and self-dependant within teams and to present complex professional contents precisely and with profound arguments (if chosen to present a topic within the seminar). Furthermore, the students are able: • to locate a specific research question within the scientific discussion in this research area and to interlink, reflect and evaluate it accordingly • to press their point within the scientific discussion in this research area.</p>	
<b>Module contents</b>	<p>The module contents are arranged in the following way: - Basic concepts and conceptual demarcation - Objectives of an organisation - Dimensions in formal organisation - Organisational culture - Organisational structure - Operational structure and processes These basic principles of organisation are presented and discussed within the lectures. Current economic and business developments are included. Seminars and tutorials are offered to deepen the lecture presentations and to relate them to examples and cases.</p>	
<b>Recommended reading</b>	<p>Breisig, T. (2015), Betriebliche Organisation, 2nd edition, NWB, Herne. Kieser, A. / Walgenbach, P. (2010), Organisation, 6th edition, Schäffer-Poeschel, Stuttgart. Further literature will be announced during the semester according to the particular lecture/seminar content.</p>	
<b>Links</b>	<a href="http://www.uol.de/orgpers">www.uol.de/orgpers</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Type of module</b>	je nach Studiengang Pflicht oder Wahlpflicht	
<b>Module level</b>	---	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	Written exam: end of the lecture period	portfolio (group seminar paper and online test)

Examination	Prüfungszeiten	Type of examination		
	Presentation: During the lecture period During the lecture period	Portfolio:		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
<b>Total module attendance time</b>				<b>56 h</b>

## wir210 - Corporate Environmental Management

<b>Module label</b>	Corporate Environmental Management
<b>Module code</b>	wir210
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Computing Science (Bachelor) &gt; Wahlbereich Informatik, Kultur und Gesellschaft</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre more...</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Ökologie und Nachhaltigkeit</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> <li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li> </ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Siebenhüner, Bernd (module responsibility)</li> <li>• Lehrenden, Die im Modul (Module counselling)</li> </ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	<p>The students:</p> <ul style="list-style-type: none"> <li>• understand the goals and concepts of sustainable development;</li> <li>• discuss the importance of sustainability for companies;</li> <li>• know basic strategies and instruments that enable companies to achieve sustainable development;</li> <li>• acquire conceptual and practical skills using case studies, in particular about which instruments can be used to prepare companies for the challenges of sustainable development.</li> </ul>
<b>Module contents</b>	<p>The module consists of a lecture and a seminar. While the lecture presents and explains concepts, instruments and strategies for sustainable development, the seminar focuses on the practical relevance of the various instruments, concepts and strategies and discusses these based on case studies.</p> <ul style="list-style-type: none"> <li>• Concepts and goals of sustainable development</li> <li>• Introduction to the current discussion on sustainable development</li> <li>• Current sustainability instruments and strategies for companies</li> <li>• Case studies</li> </ul>
<b>Recommended reading</b>	<ul style="list-style-type: none"> <li>• Baumast, A. &amp; Pape, J. (Hrsg.) (2009): Betriebliches Umweltmanagement. Nachhaltiges Wirtschaften im Unternehmen (4. Aufl.). Stuttgart: Ulmer</li> <li>• Dyllick, T. &amp; Hockerts, K. (2002): Beyond the Business Case for Corporate Sustainability. In: Business Strategy and the Environment, S. 130-141</li> <li>• Holliday, C. et al. (2002): Walking the Talk. The Business Case for Sustainable Development. Sheffield: Greenleaf</li> <li>• Pfriem, R.; Fichter, K. &amp; Paech, N. (2005): Nachhaltige Zukunftsmärkte - Orientierungen für unternehmerische Innovationsprozesse im 21. Jahrhundert. Marburg: Metropolis</li> <li>• Siebenhüner, B. et al. (2006): Organisationales Lernen und Nachhaltigkeit. Marburg: Metropolis.</li> </ul>
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>
<b>Language of instruction</b>	German
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	jährlich
<b>Module capacity</b>	unlimited

Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	usually around Mid of March	HA		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
<b>Total module attendance time</b>				<b>56 h</b>

## wir221 - Introduction in Business Taxation

<b>Module label</b>	Introduction in Business Taxation	
<b>Module code</b>	wir221	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Comparative and European Law (Bachelor) &gt; Module</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Recht</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Dittmer, Jochen (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>Die Studierenden:</p> <ul style="list-style-type: none"> <li>• haben dezidierte Grundkenntnisse der einkommensteuerlichen Grundlagen</li> <li>• klassifizieren unterschiedliche Einkunftsarten und kennen deren Bedeutung.</li> <li>• haben dezidierte Kenntnisse der laufenden Besteuerung der zentralen steuerlichen</li> </ul> <p>Rechtsformen und Fähigkeit der Konkretisierung der steuerlichen Belastungs- und Entscheidungsparameter.</p>	
<b>Module contents</b>	<p>Ausgangspunkt ist die Vermittlung der einkommen-, körperschaft- und gewerbesteuerlichen Grundlagen. Aufbauend darauf liegt der Schwerpunkt im Erwerb der zentralen Kenntnisse der Einwirkung der Ertragsteuern auf die Rechtsformwahl, GmbH/AG, Einzelunternehmen/Personengesellschaften sowie GmbH &amp; CoKG, Betriebsaufspaltung. Zugleich wird hierbei die Abhängigkeit der Höhe steuerlichen Belastungen u.a. in Abhängigkeit von Thesaurierung/Ausschüttung und Finanzierungsstruktur dargestellt.</p>	
<b>Recommended reading</b>	<p>Literaturempfehlungen können wegen der geradezu sprichwörtlichen hohen Änderungsgeschwindigkeit des Steuerrechts derzeit noch nicht gemacht werden, sondern können lediglich parallel zur Veranstaltung gegeben werden. Benötigt werden:</p> <ul style="list-style-type: none"> <li>• eine Sammlung der wichtigsten Steuergesetze (z.B. vom NWB-Verlag) in aktueller Form</li> <li>• eine Loseblattsammlung der Steuerrichtlinien (z.B. vom Beck-Verlag).</li> </ul>	
<b>Links</b>	<a href="http://www.fk2.uni-oldenburg.de/InstRW/steuer/">http://www.fk2.uni-oldenburg.de/InstRW/steuer/</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>
<b>Final exam of module</b>	Ende des Semesters	KL
<b>Type of course</b>	Lecture	
<b>SWS</b>	4	
<b>Frequency</b>	SuSe or WiSe	
<b>Workload attendance time</b>	56 h	

## wir240 - International Accounting and Auditing

<b>Module label</b>	International Accounting and Auditing			
<b>Module code</b>	wir240			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Sextroh, Christoph (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>	Keine			
<b>Skills to be acquired in this module</b>	<p>The students</p> <ul style="list-style-type: none"> <li>• obtain knowledge on advanced topics in IFRS such as hedge accounting, revenue recognition, provisions and financial instruments;</li> <li>• understand the role, tasks and legal basis of auditing within the economic environment;</li> <li>• understand the concept of the risk-based audit approach.</li> </ul>			
<b>Module contents</b>	<p>This module aims at providing an in-depth view on complex issues of IFRS accounting, e.g., hedge accounting and accounting of financial instruments. The students will obtain employability in the audit profession by learning the legal basis and concept of the audit profession. Solving case studies will contribute to achieving the learning objectives.</p>			
<b>Recommended reading</b>	<p>Picker et al. (2012): Applying International Financial Reporting Standards, 3rd edition.  Palepu et al. (2016): Business Analysis and Valuation – IFRS Edition, 4th edition.  International Financial Reporting Standards (IFRS)  Lecture notes with additional references will be provided via the e-learning platform Stud.IP.</p>			
<b>Links</b>	<a href="http://www.uni-oldenburg.de/accounting/">http://www.uni-oldenburg.de/accounting/</a>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten		Type of examination	
<b>Final exam of module</b>	end of semester		written exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercise or tutorial			--	0
<b>Total module attendance time</b>				28 h

## wir350 - Administrative Law concerning trade, industry and environment

<b>Module label</b>	Administrative Law concerning trade, industry and environment	
<b>Module code</b>	wir350	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Recht</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Ökologie und Nachhaltigkeit</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Recht</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Meyerholt, Ulrich (module responsibility)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	This module aims to offer students qualifications in the field of administrative, industry and environmental law. Students are to gain knowledge of legal materials and practical skills in handling law.	
<b>Module contents</b>	<ul style="list-style-type: none"> <li>- Administrative Law</li> <li>- Industrial Code</li> <li>- Subsidy Law</li> <li>- Environmental Law</li> <li>- Key Skills</li> </ul>	
<b>Recommended reading</b>	Meyerholt (2016), Umweltrecht, Oldenburg; Stober, (2016) Wichtige Gesetze für Wirtschaftsverwaltung und die Öffentliche Wirtschaft, Herne, ders., (2014) Allgemeines Wirtschaftsverwaltungsrecht, Herne; ders. (2016), Besonderes Wirtschaftsverwaltungsrecht, Herne.	
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>	
<b>Language of instruction</b>	German	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	halbjährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	end of semester	written exam
<b>Type of course</b>	Lecture	
<b>SWS</b>	4	
<b>Frequency</b>		
<b>Workload attendance time</b>	56 h	

## wir390 - Financial Management

<b>Module label</b>	Financial Management			
<b>Module code</b>	wir390			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Prokop, Jörg (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p>Students</p> <ul style="list-style-type: none"> <li>• are able to determine a firm's cost of capital using both single factor and multi factor models</li> <li>• understand how, and under which conditions, capital structure decisions influence firm value,</li> <li>• are able to assess how a firm's dividend policy affects firm value,</li> <li>• analyze characteristics, advantages, and disadvantages of typical modes of long-term financing,</li> <li>• understand both the mechanics and the limits of financial models frequently used in decision making.</li> </ul>			
<b>Module contents</b>	<p>1 Introduction / Recap: Security Valuation                  2 Investment Decisions Under Uncertainty                  3 Capital Structure Decisions &amp; Dividend Policy                  4 Long-Term Financing</p>			
<b>Recommended reading</b>	<p>Main textbook:                  Hillier, Ross, Westerfield, Jaffe &amp; Jordan, Corporate Finance, current edition, McGraw-Hill.                  Alternative and supplementary readings:                  Berk &amp; DeMarzo, Corporate Finance, current edition, Boston (Mass.).                  Brealey, Myers &amp; Allen, Principles of Corporate Finance, current edition, Boston (Mass.).</p>			
<b>Links</b>	<a href="http://www.uni-oldenburg.de/fiwi_bbl/">http://www.uni-oldenburg.de/fiwi_bbl/</a>			
<b>Language of instruction</b>	English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	Typically at least one mid-term short exam and one final short exam within three weeks after the last lecture	Portfolio, consisting of at least two short written examinations (schriftlicher Kurztest) lasting about 30-45 min each		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture		2		28
Exercises		2		28
<b>Total module attendance time</b>				56 h



## wir400 - Strategic and International Marketing

<b>Module label</b>	Strategic and International Marketing			
<b>Module code</b>	wir400			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li> <li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Alavi, Sascha (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• recognize challenges facing marketing strategy in the field of markets and societies and draw conclusions for business management</li> <li>• elaborate and reflect upon the theoretical and conceptual foundations of strategic marketing planning</li> <li>• come up with examples that exemplify the systemic connection between strategic and instrumental marketing planning</li> <li>• discuss core assumptions of internationalization in the context of strategy planning and critically reflect upon its implications</li> <li>• build market research skills in an international context using different methods</li> <li>• develop their own perspectives on the conceptualization and implementation of international marketing strategies and advance them in discourses</li> </ul>			
<b>Module contents</b>	<p>The core of the module is the application of strategic planning methods in Marketing. A broadened understanding of Marketing in the areas of competitors, market agents and stakeholder orientation will be substantiated in theoretical and practical-normative view. International marketing forms an integrated part of strategic marketing planning; its basics and internal conception are formulated precisely in this course.</p>			
<b>Recommended reading</b>	<p>Latest editions of  Meffert, H., Marketing-Management, Analyse - Strategie - Implementierung, Wiesbaden  Kreikebaum H., Strategische Unternehmensplanung, Stuttgart/ Berlin/ Köln  Benkenstein, M., Strategisches Marketing, Stuttgart/ Berlin/ Köln</p>			
<b>Links</b>	<p><a href="http://www.uni-oldenburg.de/marketing">www.uni-oldenburg.de/marketing</a></p>			
<b>Language of instruction</b>	German			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	end of term	written exam; voluntary contributions that improve grades may undertaken as 'portfolio-presentations' during tutorials		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance

---

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Tutorial		2		28
Seminar				
<b>Total module attendance time</b>				<b>56 h</b>

---

## wir410 - Selected Topics in Business Administration

<b>Module label</b>	Selected Topics in Business Administration			
<b>Module code</b>	wir410			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Betriebswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Prokop, Jörg (module responsibility)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>			
<b>Prerequisites</b>	Students are required to actively participate in the course by preparing classes, by performing follow-up coursework, and/or by giving presentations according to the rules defined by the lecturer in the first session.			
<b>Skills to be acquired in this module</b>	Upon completion of the module students will have acquired in-depth knowledge regarding selected topics in a specific field of business studies. They will have a sound understanding of the current state of academic research, and/or of issues relevant to current business practice. In addition, they will be familiar with typical advanced methods of analysis in the respective focus area, they will be able to put these methods in the broader context of business research, and they will be able to assess these methods' strength and weaknesses.			
<b>Module contents</b>	The course covers in detail selected advanced topics in areas such as entrepreneurship, business management, marketing, organization, human resources, production management, sustainability management, taxation, finance, or accounting. Focus area, language of instruction, and type of examination will be announced in the first session.			
<b>Recommended reading</b>	Will be announced at the beginning of the course.			
<b>Links</b>				
<b>Languages of instruction</b>	German, English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	unregelmäßig			
<b>Module capacity</b>	unlimited			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	will be announced in the first session	1 term paper (Hausarbeit) or 1 presentation (Referat) or 1 written exam (Klausur) or 1 oral exam (mündliche Prüfung) or 1 Portfolio. The type of examination will be announced in the first session.		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Course or seminar (ggf. Übung)		4	--	56
Seminar			WiSe	0
<b>Total module attendance time</b>				56 h

## wir420 - Selected Topics in Economics

<b>Module label</b>	Selected Topics in Economics			
<b>Module code</b>	wir420			
<b>Credit points</b>	6.0 KP			
<b>Workload</b>	180 h			
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li> <li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Studienrichtung Volkswirtschaftslehre</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> </ul>			
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> <li>• Bitzer, Jürgen (module responsibility)</li> <li>• Böhringer, Christoph (module responsibility)</li> <li>• Helm, Carsten (module responsibility)</li> <li>• Trautwein, Hans-Michael (module responsibility)</li> <li>• Lehrenden, Die im Modul (Module counselling)</li> </ul>			
<b>Prerequisites</b>				
<b>Skills to be acquired in this module</b>	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> <li>• gather, evaluate, and interpret relevant information on selected themes in economics</li> <li>• draw scientifically informed conclusions with respect to societal, scientific, and ethical issues</li> <li>• independently manage further learning processes</li> <li>• formulate and defend positions and solutions relating to selected topics in economics</li> </ul>			
<b>Module contents</b>	This module deals with selected topics in economics. These can be for example current events relating to economics or the further investigation of a specific issue from the field of economics.			
<b>Recommended reading</b>	Wechselt mit dem behandelten Thema.			
<b>Links</b>	<a href="https://www.uni-oldenburg.de/wire/">https://www.uni-oldenburg.de/wire/</a>			
<b>Languages of instruction</b>	German, English			
<b>Duration (semesters)</b>	1 Semester			
<b>Module frequency</b>	unregelmäßig			
<b>Module capacity</b>	unlimited			
<b>Examination</b>	<b>Prüfungszeiten</b>	<b>Type of examination</b>		
<b>Final exam of module</b>	at the end of the lectures	varies, TBA		
<b>Type of course</b>	<b>Comment</b>	<b>SWS</b>	<b>Frequency</b>	<b>Workload of compulsory attendance</b>
Lecture			--	0
Exercises			--	0
Practical training			--	0
<b>Total module attendance time</b>				<b>0 h</b>

## wir520 - International and EU Economic Law

<b>Module label</b>	International and EU Economic Law	
<b>Module code</b>	wir520	
<b>Credit points</b>	6.0 KP	
<b>Workload</b>	180 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"> <li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Recht</li> <li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li> <li>• kein Abschluss European Studies in Global Perspectives &gt; Society, Economy and Politics</li> </ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"> <li>• Godt, Christine (module responsibility)</li> <li>• Chege, Victoria (Module counselling)</li> <li>• Lehrenden, Die im Modul (authorised to take exams)</li> </ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>	<p>The module aims to enable students</p> <ul style="list-style-type: none"> <li>• to examine and develop an understanding of the legal principles that underpin international and EU law, as well as the thereto related intricacies</li> <li>• to apply those principles to solving legal problems</li> <li>• to get acquainted with the relevant English legal terminology, and to apply it fluently.</li> </ul>	
<b>Module contents</b>	<ul style="list-style-type: none"> <li>• Introduction to international economic law (international legal foundations, subjects, sources, principles, relationship between international economic law and municipal law);</li> <li>• History and institutions of international economic law;</li> <li>• The law of the World Trade Organization;</li> <li>• Constitutional matters of EU economic law</li> <li>• Harmonization in selected areas of EU private and economic law (e.g. health law, consumer protection, company law, intellectual property);</li> <li>• EU competition law</li> </ul>	
<b>Recommended reading</b>	<p>Barnard, C. (2019), The substantive law of the EU: the four freedoms, OUP, Oxford.</p> <p>Chalmers, D.; Davies, G.; Monti, G. (2019), European Union law, CUP, Cambridge.</p> <p>Trebilcock, M.J.; Howse, R. (2012), The Regulation of International Trade, 3 ed., Routledge, London <i>Bestand Universitätsbibliothek</i>: u.a.</p> <p>Lester, S.; Mercurio, B. (2010), World Trade Law, Text Materials and Commentary, Hart Publishing, Oxford <i>Bestand Universitätsbibliothek</i>: u.a.</p>	
<b>Links</b>	<a href="http://www.fk2.uni-oldenburg.de/InstRW/oefwvr/">http://www.fk2.uni-oldenburg.de/InstRW/oefwvr/</a>	
<b>Language of instruction</b>	English	
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	jährlich	
<b>Module capacity</b>	unlimited	
<b>Reference text</b>		
Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	written exam: end of semester term paper: during semester	written exam or term paper
<b>Type of course</b>	Course or seminar	
<b>SWS</b>	4	
<b>Frequency</b>	WiSe	

---

**Workload attendance time**

56 h

---

---

## wir082 - Corporate Finance

<b>Module label</b>	Corporate Finance
<b>Module code</b>	wir082
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Administration and Law (Bachelor) &gt; Aufbaubereich Wirtschaftswissenschaften</li><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Wirtschaftswissenschaften</li><li>• Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Akzentsetzungsmodule</li><li>• Bachelor's Programme Mathematics (Bachelor) &gt; Nebenfachmodule</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich more...</li><li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Aufbaumodule</li><li>• Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) &gt; Schwerpunkt Management und Ökonomie</li><li>• Master of Education Programme (Vocational and Business Education) Economics and Business Administration (Master of Education) &gt; Mastermodule</li><li>• Master's Programme Business Informatics (Master) &gt; Module der Wirtschafts- und Rechtswissenschaften (Master)</li><li>• Master's Programme Computing Science (Master) &gt; Module aus anderen Studiengängen</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Prokop, Jörg (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li></ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	Students <ul style="list-style-type: none"><li>• understand the role corporate finance plays in today's business environment,</li><li>• are able to make consistent investment decisions based on established financial models both under certainty and under uncertainty,</li><li>• are able to place these models in within the broader context of economic theory, including both neoclassical theory and principal-agent theory,</li><li>• are able to assess the limitations of these models,</li><li>• analyze firm's main sources of (long-term) financing.</li></ul>
<b>Module contents</b>	<p>Course outline:</p> <ol style="list-style-type: none"><li>1. Introduction</li><li>2. Valuation and Capital Budgeting</li><li>3. Risk and Return</li><li>4. Long-Term Financing</li></ol> <p>This course is an introduction to corporate finance. It covers typical tools and techniques used in making investment and financing decisions, and it provides insights into their theoretical foundations. The concept of time value of money and net present value is discussed in detail, first under certainty, and then in the presence of uncertainty. We will examine the relationship between an investment's risk and its return, and discuss ways to derive risk-adjusted cost of equity capital. In addition, the course provides insights into firms' main sources of (long-term) financing.</p> <p>The topics covered in this course are relevant for financial decision-making in various areas of business management, including operations management, marketing, and in particular corporate strategy.</p>
<b>Recommended reading</b>	<p>Main textbook: Hillier, Ross, Westerfield, Jaffe &amp; Jordan, Corporate Finance, current edition, McGraw-Hill (especially chapters 1, 2, 4-10, 14).</p> <p>Supplementary readings: Berk &amp; DeMarzo, Corporate Finance, current edition, Boston (Mass.). Brealey, Myers &amp; Allen, Principles of Corporate Finance, current edition, Boston (Mass.). Schmidt und Terberger, Grundzüge der Investitions- und Finanzierungstheorie (4. Aufl.), 1997, Wiesbaden.</p>
<b>Links</b>	<a href="http://www.uni-oldenburg.de/fiwj_bbl/">http://www.uni-oldenburg.de/fiwj_bbl/</a>
<b>Language of instruction</b>	English
<b>Duration (semesters)</b>	1 Semester

<b>Module frequency</b>	jährlich			
<b>Module capacity</b>	unlimited			
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	within three weeks after the last lecture	written exam		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Tutorial		2		28
<b>Total module attendance time</b>				56 h



---

## inf040 - Introduction to Data Science

<b>Module label</b>	Introduction to Data Science
<b>Module code</b>	inf040
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Business Informatics (Bachelor) &gt; Akzentsetzungsbereich Praktische Informatik und Angewandte Informatik</li><li>• Bachelor's Programme Computing Science (Bachelor) &gt; Akzentsetzungsbereich - Wahlbereich Informatik</li><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Master Applied Economics and Data Science (Master) &gt; Data Science</li><li>• Master of Education Programme (Gymnasium) Computing Science (Master of Education) &gt; Wahlpflichtmodule (Praktische Informatik)</li><li>• Master of Education Programme (Gymnasium) Computing Science (Master of Education) &gt; Wahlpflichtmodule (Theoretische Informatik)</li><li>• Master of Education Programme (Hauptschule and Realschule) Computing Science (Master of Education) &gt; Mastermodule</li><li>• Master of Education Programme (Vocational and Business Education) Computing Science (Master of Education) &gt; Akzentsetzungsbereich</li><li>• Master's Programme Computing Science (Master) &gt; Praktische Informatik</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Wingerath, Wolfram (module responsibility)</li><li>• Lehrenden, Die im Modul (authorised to take exams)</li></ul>
<b>Prerequisites</b>	Basics of databases, Python programming and statistics
<b>Skills to be acquired in this module</b>	<p>The module teaches fundamentals from the field of Data Science, covering purposes, challenges, and common best practices.</p> <p><b>Professional competences</b></p> <p>The students</p> <ul style="list-style-type: none"><li>• have knowledge of basic concepts, problems and solution approaches from the field of Data Science.</li><li>• are able to justify the choice of specific data analysis methods for a given problem</li><li>• include possible imponderables in the analysis when evaluating analysis results</li></ul> <p><b>Methodological competences</b></p> <p>The students</p> <ul style="list-style-type: none"><li>• are able to translate questions from a specific domain into a feasible analysis</li><li>• work on Data Science tasks to expand their understanding of the different approaches and methods.</li></ul> <p><b>Social competences</b></p> <p>The students</p> <ul style="list-style-type: none"><li>• discuss approaches and problems encountered in smaller and larger groups</li></ul> <p><b>Self competences</b></p> <p>The students</p> <ul style="list-style-type: none"><li>• reflect on their actions when identifying possible solutions and critically question their own results</li></ul>

---

### Module contents

Data Science is an interdisciplinary science at the intersection of statistics, machine learning, data visualization, and mathematical modeling. This course is designed to provide a practical introduction to the field of Data Science by teaching theoretical principles while also applying them practically. Topics covered range from data collection and preparation (data sources & formats, data cleaning, data bias), mathematical foundations (statistical distributions, correlation analysis, significance) and methods for visualization (tables & plots, histograms, best practices) to the development of models for classifying or predicting values (linear regression, classification, clustering).

---

**Recommended reading**

- The Data Science Design Manual (Seven Kiena, 2017)
- Invisible Women: Data Bias in a World Designed for Men (Caroline Criado-Perez, 2019)

---

**Links**

<b>Language of instruction</b>	English
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	in winter term
<b>Module capacity</b>	unlimited
<b>Teaching/Learning method</b>	V+Ü

Examination	Prüfungszeiten	Type of examination
<b>Final exam of module</b>	At the end of the lecture period or by arrangement with the instructor.	Written or oral exam or portfolio or project or practical exercise

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Exercises		2	WiSe	28
<b>Total module attendance time</b>				<b>56 h</b>

---

## inf980 - Introduction to Computer Science

<b>Module label</b>	Introduction to Computer Science
<b>Module code</b>	inf980
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h

### Applicability of the module

- Bachelor's Programme Biology (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Biology (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Business Administration and Law (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Business Administration and Law (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Business Informatics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer" more...
- Bachelor's Programme Business Informatics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Chemistry (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Chemistry (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Comparative and European Law (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Comparative and European Law (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Computing Science (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Computing Science (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Economics and Business Administration (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Economics and Business Administration (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Engineering Physics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Engineering Physics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Environmental Science (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Environmental Science (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Mathematics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Mathematics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Physics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Physics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Social Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Bachelor's Programme Social Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Sustainability Economics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"

- Bachelor's Programme Sustainability Economics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Bachelor's Programme Sustainability Economics (Bachelor) > Wahlpflichtbereich
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Biology (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme General Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme History (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme History (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Low German (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Low German (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Music (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"

- Dual-Subject Bachelor's Programme Music (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Physics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Social Studies (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Sport Science (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Säule "Überfachliche Professionalisierung"
- Dual-Subject Bachelor's Programme Technology (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Dual-Subject Bachelor's Programme Technology (Bachelor) > Säule "Überfachliche Professionalisierung"
- Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > PP "Medieninformatik für Studierende musisch-künstlerischer Fächer"
- Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Säule "Überfachliche Professionalisierung"

---

**Responsible persons**

- Vogel-Sonnenschein, Ute (module responsibility)
- Lehrenden, Die im Modul (authorised to take exams)

---

**Prerequisites**

This module is aimed at students on degree programs outside of computer science. Students of the Department of Computer Science of the Bachelor's and Master's degree programs in Computer Science and Business Informatics are not part of the target group. No specific prior knowledge is expected.

---

**Skills to be acquired in this module**

Graduates of the module have acquired a deeper understanding of basic theories and techniques of computer science and can classify problems that arise. Students will be able to structure and model simple tasks from their subject area using computer science tools, design solution approaches and estimate the solution effort. They have a basic understanding of the design and use of relational databases.

---

**Module contents**

- Introduction to Python programming
- Computer architecture
- Computer representation of information
- Formal languages, grammar and automata
- Basic data structures;
- problem solving paradigms, algorithms and complexity;
- basic concepts of data bases

## Recommended reading

1. Robert Sedgewick und Kevin Wayne  
**Algorithms**  
2011, ISBN: 032157351X
2. Hans Petter Langtangen  
*A Primer on Scientific Programming with Python*  
Springer Berlin Heidelberg, 2014, ISBN: 9783642549595
3. Robert Sedgewick und Kevin Wayne  
**Computer science : an interdisciplinary approach**  
Boston Columbus Indianapolis New York San Francisco Amsterdam  
Cape Town Dubai  
London Marid Milan Munich Paris Montreal Toronto Delhi Mexico City  
São Paulo  
Sydney Hong Kong Seoul Singapore Taipei Tokyo Addison-Wesley,  
2017, ISBN:  
0134076427;
4. John Guttag  
*Introduction to computation and programming using Python : with  
application to  
understanding data*  
Cambridge, Massachusetts London, England The MIT Press, 2016,  
ISBN:  
9780262529624
5. Paul Gries, Jennifer Campell, Jason Montojo und Jennifer Campbell  
**Practical programming : an introduction to computer science  
using Python 3.6**  
Raleigh, North Carolina The Pragmatic Bookshelf, 2017, ISBN:  
9781680502688
6. Gerard Blanchet  
*Computer architecture*  
Hoboken, NJ Wiley, 2013, ISBN: 1118577795
7. J. Glenn Brookshear und Dennis Brylow  
*Computer science : an overview*  
Boston Munich u.a. Pearson, 2015, ISBN: 1292061162;
8. John Zelle:  
*Python Programming : An Introduction to Computer Science*  
3rd edition, Franklin, Beedle, 2017
9. Brad Miller, David Ranum,  
*How to think like a Computer Scientist" , Online-Course Python for  
newbies:*  
e-Book: <http://openbookproject.net/thinkcs/python/english3e/>

## Links

<b>Languages of instruction</b>	German, English
<b>Duration (semesters)</b>	1 Semester
<b>Module frequency</b>	jeweils im Sommersemester
<b>Module capacity</b>	unlimited

## Reference text

In the winter term, this module is held in English, in the summer term in German.

Slides and homework are in English.

## Teaching/Learning method

V+Ü

Examination	Prüfungszeiten	Type of examination
-------------	----------------	---------------------

## Final exam of module

- The exam takes place in the first three weeks after the end of the event period.
  - The re-exam takes place in the last three weeks before the start of the next event period.
- written or oral exam

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		4	WiSe	56

---

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Exercises		2	WiSe	28
<b>Total module attendance time</b>				<b>84 h</b>

---

---

## mat865 - Advanced Topics in Statistics

<b>Module label</b>	Advanced Topics in Statistics
<b>Module code</b>	mat865
<b>Credit points</b>	6.0 KP
<b>Workload</b>	180 h
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Wahlpflichtbereich</li><li>• Master's programme Business Administration: Management and Law (Master) &gt; Schwerpunktmodule AFT - Methoden</li><li>• Master's programme Business Administration: Management and Law (Master) &gt; Schwerpunktmodule UF - Methoden</li><li>• Master's Programme Mathematics (Master) &gt; Mastermodule</li></ul>
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Christiansen, Marcus (module responsibility)</li><li>• May, Angelika (module responsibility)</li><li>• Ruckdeschel, Peter (module responsibility)</li></ul>
<b>Prerequisites</b>	
<b>Skills to be acquired in this module</b>	<ul style="list-style-type: none"><li>• Systematische Vertiefung und Erweiterung der im Bachelorstudium erlangten Kenntnisse und Fähigkeiten zur Mathematik</li><li>• Vernetzung des eigenen mathematischen Wissens durch Herstellung auch inhaltlich komplexer Bezüge zwischen den verschiedenen Bereichen der Mathematik</li><li>• Kennenlernen vertiefter Anwendungen der Mathematik, auch exemplarisch mit Projektcharakter</li><li>• Erwerb direkt berufsbezogener inhaltlicher und prozessorientierter Kompetenzen</li><li>• In dieser Vorlesung wird ein aktuelles, fortgeschrittenes Themengebiet der Angewandten Statistik behandelt. Die Studierenden erwerben damit über den üblichen Kanon statistischer Verfahren hinausgehendes Spezialwissen sowie die Fähigkeit, sich solches Wissen anzueignen und in praktischen Analysen einzusetzen.</li></ul>
<b>Module contents</b>	<p>Es handelt sich um ein Modul, innerhalb dessen kurzfristig verschiedene, aktuelle Themen aus der Statistik angeboten werden können, immer jeweils im Rahmen der Modulvorgaben von 6KP/180h Workload mögliche solche Themen sind</p> <ul style="list-style-type: none"><li>• Angewandte Statistische Methoden in der Ökologie mit R (zuletzt SoSe 2017)</li><li>• Statistisches Lernen (zuletzt SoSe 2019)</li></ul> <p>Spezifikation eines konkreten Themas spätestens im Rahmen der rollierenden Vorlesungsplanung</p> <p>Beispielhaft seien hier die Inhalte zu "Statistisches Lernen" genannt:</p> <ul style="list-style-type: none"><li>• Prädiktionsverfahren: lineare Regression, GLM in hochdimensionalen Modellen, regularisierte Regression, Least Absolute Shrinkage and Selection Operator (LASSO), Support Vector Regression</li><li>• Klassifikationsverfahren und Clustering: lineare und quadratische Diskriminanzanalyse (LDA/QD), Support Vector Classification, Klassifikationsbäume (CART), verschiedene Clusterverfahren</li><li>• Vapnik-Chervonenkis Komplexität von Problemen</li><li>• Resampling Verfahren/Ensemble Methoden: Bagging, Boosting, Random Forests, verschiedene Kreuzvalidierungsstrategien</li><li>• Ausblick auf Ranking-Verfahren und Online-Learning</li></ul>
<b>Recommended reading</b>	<p>natürlich spezifisch für das jeweilige Thema</p> <p>hier beispielhaft für "Statistisches Lernen":</p> <ul style="list-style-type: none"><li>• Bühlmann, P., van de Geer, S.: Statistics for high-dimensional data:</li></ul>



- methods, theory and applications. Springer, 2011.
- Friedman, J., Hastie, T., and Tibshirani, R.: The elements of statistical learning. Springer, 2001.
  - James, G., Witten, D., Hastie, T., and Tibshirani, R.: An introduction to statistical learning. Springer, 2013.
  - Vapnik, V.: Statistical learning theory. Wiley, 1998.
  - Vapnik, V.: The nature of statistical learning theory. Springer, 2013.

<b>Links</b>				
<b>Languages of instruction</b>		German, English		
<b>Duration (semesters)</b>		1 Semester		
<b>Module frequency</b>		unregelmäßig		
<b>Module capacity</b>		unlimited		
<b>Reference text</b>		Studienschwerpunkt: C		
Examination	Prüfungszeiten	Type of examination		
<b>Final exam of module</b>	nach Ende der Vorlesungszeit	KL		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		3	SuSe or WiSe	42
Exercises		1	SuSe or WiSe	14
<b>Total module attendance time</b>				56 h

---

# Abschlussmodul

## bam - Bachelor's Thesis Module

<b>Module label</b>	Bachelor's Thesis Module	
<b>Module code</b>	bam	
<b>Credit points</b>	15.0 KP	
<b>Workload</b>	450 h	
<b>Applicability of the module</b>	<ul style="list-style-type: none"><li>• Bachelor's Programme Sustainability Economics (Bachelor) &gt; Abschlussmodul</li></ul>	
<b>Responsible persons</b>	<ul style="list-style-type: none"><li>• Lehrenden, Die im Modul (authorised to take exams)</li><li>• Modulverantwortlichen, Die (authorised to take exams)</li></ul>	
<b>Prerequisites</b>		
<b>Skills to be acquired in this module</b>		
<b>Module contents</b>		
<b>Recommended reading</b>		
<b>Links</b>		
<b>Languages of instruction</b>		
<b>Duration (semesters)</b>	1 Semester	
<b>Module frequency</b>	halbjährlich	
<b>Module capacity</b>	unlimited	
<b>Examination</b>	Prüfungszeiten	Type of examination
<b>Final exam of module</b>		G
<b>Type of course</b>	Seminar	
<b>Frequency</b>		

