

Georg-August-Universität Göttingen Module M.WIWI-BWL.0180: Corporate Valuation without and with Personal Taxes		6 C 2 WLH
Learning outcome, core skills: After completing this course, the students deeply understand valuation with discounted cash flow methods under different financing strategies. Particular emphasis is placed on incorporating personal taxes into valuation and understanding the relationship between valuation without and with personal taxes. For all cases, students learn how to adjust the cost of equity to leverage and determine a firm's value with two-stage models. Additionally, the effects of the consideration of share repurchases on the value of a firm are integrated into the valuation models. The course not only provides theoretical competencies, but by implementing various exercises in Excel, the participants gain various practical skills in valuation.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Corporate Valuation without and with Personal Taxes (Lecture) <i>Contents:</i> The course is a mixture of lectures and exercises. Content: 1. Introduction 2. Valuation only with Corporate Taxes 3. Valuation with Corporate and Personal Taxes 4. Problems and Simplifications in Valuation Practice 5. Summary Remark: The online course takes place via Zoom. The course is open to students from the University of Kyiv (Ukraine), the University of Tartu (Estonia), the University of Ghent (Belgium), and the University of Göttingen (Germany). The number of participants is restricted to 10 students from each university, i.e., a total of 40 students. The number of students is limited to 10 from the University of Göttingen due to the processing of case studies.		2 WLH
Examination: Processing of case studies with Excel in group work		6 C
Examination requirements: Case studies in teams mainly during the course with Excel; one case study is given at the end of the course. The teams have to send a well-formatted Excel file with the solution of all case studies within two weeks after the end of the course to the lecturer. Students are expected to prove their theoretical knowledge in valuation without and with personal taxes. The students have to apply their knowledge in case studies using Excel.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-BWL.0085 Finance, Management Accounting and Sustainability Accounting	
Language:	Person responsible for module:	

English	Prof. Dr. Stefan Dierkes
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3
Maximum number of students: 10	
Additional notes and regulations: The number of students is limited to 10 persons from the University of Göttingen due to the processing of case studies.	

Georg-August-Universität Göttingen Module M.WIWI-HGM.0001: Economic, Business and Social History I		12 C 6 WLH
Learning outcome, core skills: Students will be able to critically discuss and analyze the structures of global capitalism and the history of transnational economic flows. In class presentations and written term papers they will learn to identify major problems of transcultural economic processes and to apply this theoretical and contextual knowledge to the analysis of specific historical case studies.		Workload: Attendance time: 84 h Self-study time: 276 h
Course: Economic, Business and Social History I (Lecture) <i>Contents:</i> The lecture course will provide a broad survey of a specific time period (e.g. nineteenth century, postwar era), topic (business history, globalization) or region (Europe, Germany, United States). The focus of the lecture course changes each semester.		2 WLH
Course: Economic, Business and Social History I (Exercise) <i>Contents:</i> The tutorial course accompanies the lecture with discussion and additional readings.		2 WLH
Examination: Oral examination (approx. 15 minutes)		6 C
Course: Economic, Business and Social History I (Seminar) <i>Contents:</i> Master seminars familiarize students with specific aspects of social and economic history, often in thematic connection with the lecture course. Texts and discussion focus on current historiographic research and its application to historical and economic analysis.		2 WLH
Examination: Term Paper (max. 20 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic structural developments of global capitalism; ability to identify and reflect on fundamental economic problems, knowledge of recent scholarship and critical evaluation of historical theories, independent research and ability to creatively apply problem-solving methodologies. Each examination requires the application of these broader concepts and methodologies to the specific topics of the particular seminars offered.		
Admission requirements: none	Recommended previous knowledge: none	
Language: German, English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-HGM.0002: Economic, Business and Social History II		12 C 6 WLH
Learning outcome, core skills: Students will be able to critically discuss and analyze the structures of global capitalism and the history of transnational economic flows. In class presentations and written term papers they will learn to identify major problems of transcultural economic processes and to apply this theoretical and contextual knowledge to the analysis of specific historical case studies.		Workload: Attendance time: 84 h Self-study time: 276 h
Course: Economic, Business and Social History II (Lecture) <i>Contents:</i> The lecture course will provide a broad survey of a specific time period (e.g. nineteenth century, postwar era), topic (business history, globalization) or region (Europe, Germany, United States). The focus of the lecture course changes each semester.		2 WLH
Course: Economic, Business and Social History II (Tutorial) <i>Contents:</i> The tutorial course accompanies the lecture with discussion and additional readings.		2 WLH
Examination: Oral examination (approx. 15 minutes)		6 C
Course: Economic, Business and Social History II (Seminar) <i>Contents:</i> Master seminars familiarize students with specific aspects of social and economic history, often in thematic connection with the lecture course. Texts and discussion focus on current historiographic research and its application to historical and economic analysis.		2 WLH
Examination: Term Paper (max. 20 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic structural developments of global capitalism; ability to identify and reflect on fundamental economic problems, knowledge of recent scholarship and critical evaluation of historical theories, independent research and ability to creatively apply problem-solving methodologies. Each examination requires the application of these broader concepts and methodologies to the specific topics of the particular seminars offered.		
Admission requirements: none	Recommended previous knowledge: none	
Language: German, English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each semester	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-HGM.0003: Doing Research in the History of Global Markets		6 C 2 WLH
Learning outcome, core skills: Students learn to survey the state of the literature in a specific field and identify areas for future research. They are guided to independently develop a new field of inquiry and to conceptualize a larger thesis project. The seminar helps developing their critical research skills particularly with regard to the use of archival materials.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Project Seminar in Economic and Social History (Seminar) <i>Contents:</i> The project seminar covers relevant topics at the cutting edge of historical research and allows students to develop their master's thesis topics.		2 WLH
Examination: Term paper (Thesis Proposal, max. 20 pages), ungraded Examination prerequisites: Regular attendance.		6 C
Examination requirements: Ability to identify the state of research and new avenues of research. Ability to develop a research question and concept to operationalize a research agenda.		
Admission requirements: none	Recommended previous knowledge: none	
Language: German, English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 10		

Georg-August-Universität Göttingen		6 C
Module M.WIWI-HGM.0004: History of Global Markets: Perspectives		2 WLH
Learning outcome, core skills: Students learn about specific historical approaches to the study of global markets such as e.g. global or business history. They become familiar with concepts, questions and methods that are typical for the specific approach to which the course is devoted.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: History of Global Markets: Perspectives (Seminar or lecture) <i>Contents:</i> The course introduces a selected perspective on economic and social developments, relevant to the emergence and change of global market economies. Examples for a perspective are such approaches as global history, business history, history of consumption, social history, and the history of ideas.		2 WLH
Examination: seminar: term Paper (max. 20 pages) with presentation (approx. 15 minutes) or lecture: oral examination (approx. 15 minutes) Examination prerequisites: Regular attendance (seminar)		6 C
Examination requirements: Familiarity with the basic concepts and developments, ability to reflect pertinent problems, and to critically discuss the hypotheses and interpretations brought forward by academic research.		
Admission requirements: none	Recommended previous knowledge: none	
Language: German, English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each second semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Additional notes and regulations: Maximum number of students in seminars: 20 participants. No participant restriction for lectures.		

Georg-August-Universität Göttingen		6 C
Module M.WIWI-HGM.0005: History of Global Markets: Periods		2 WLH
Learning outcome, core skills: Students learn about historic periods which were significant for the history of global markets. They become familiar with the economic and social idiosyncrasies of the period to which the course is devoted. They learn to identify trajectories of historical change, and to interpret them in terms of their causes and consequences.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: History of Global Markets: Periods (Seminar or lecture) <i>Contents:</i> The course introduces a selected period of major developments and transformations in economic and social history, relevant to the emergence and change of global market economies. Examples for such periods are colonialism, industrialization, the emergence of the modern world economy in the late nineteenth century, the era of World Wars and the Great Depression, or the post-war period.		2 WLH
Examination: seminar: term Paper (max. 20 pages) with presentation (approx. 15 minutes) or lecture: oral examination (approx. 15 minutes) Examination prerequisites: Regular attendance (seminar).		6 C
Examination requirements: Familiarity with the basic concepts and developments, ability to reflect pertinent problems, and to critically discuss the hypotheses and interpretations brought forward by academic research.		
Admission requirements: none	Recommended previous knowledge: none	
Language: German, English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each second semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Additional notes and regulations: Maximum number of students in seminars: 20 participants. No participant restriction for lectures.		

Georg-August-Universität Göttingen		6 C
Module M.WIWI-HGM.0006: History of Global Markets: Places		2 WLH
Learning outcome, core skills: Students learn about regional and country cases which are instructive for the history of global markets, focusing e.g. on Germany or the United States of America. They become familiar with the economic and social characteristics of the geographical area to which the course is devoted. They learn to identify local peculiarities and country-specific developments, and to interpret them comparatively.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: History of Global Markets: Places (Seminar or lecture) <i>Contents:</i> The course introduces the history of selected countries or regions to study peculiar local economic and social characteristics and developments, relevant to the emergence and change of global market economies.		2 WLH
Examination: seminar: term Paper (max. 20 pages) with presentation (approx. 15 minutes) or lecture: oral examination (approx. 15 minutes) Examination prerequisites: Regular attendance (seminar).		6 C
Examination requirements: Familiarity with the basic concepts and developments, ability to reflect pertinent problems, and to critically discuss the hypotheses and interpretations brought forward by academic research.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each second semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Additional notes and regulations: Maximum number of students in seminars: 20 participants. No participant restriction for lectures		

Georg-August-Universität Göttingen Module M.WIWI-HGM.0007: Global Varieties of Capitalism		6 C 2 WLH
Learning outcome, core skills: Students will learn to apply the theoretical frameworks to concrete empirical examples looking at historical differences and path-dependencies e.g. in labor relations, industry coordination, corporate strategies, or state regulation in a global perspective. They will be able to compare and critically analyze different economic systems within their respective historical contexts and to evaluate their comparative advantages.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Global Varieties of Capitalism (Seminar) <i>Contents:</i> The seminar offers a survey of the current state of research in the varieties of capitalism literature. Readings and discussion will provide theoretical approaches, emphasizing the role of actors and institutions in economic development. Comparing primarily European, Asian, Latin- and North American economies, the module will explore various typologies as well as fundamental differences and similarities between liberal and coordinated market economies. Special emphasis will be given to questions of innovation and relative stagnation of "Rhenish Capitalism" in various branches of industry within a comparative framework.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic conceptual tenants of the varieties of capitalism theory; ability to historically contextualize elements of economic systems and to evaluate relative strengths and challenges involved with different organizational forms of market economies.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3	
Maximum number of students: 25		

Georg-August-Universität Göttingen Module M.WIWI-HGM.0008: Global History of Marketing and Mass Consumption		6 C 2 WLH
Learning outcome, core skills: Students will become familiar with the development of modern marketing instruments, including advertising, mass distribution, and market research. They will be able to critically analyze the role of marketing in the emergence of modern mass consumer societies. They will be able to identify major problems of transcultural marketing and they will learn to apply this theoretical and contextual knowledge to the analysis of specific historical case studies.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Global History of Marketing and Mass Consumption (Seminar) <i>Contents:</i> The course will familiarize students with basic aspects of the development of mass marketing structures in the 19th and 20th century. Special emphasis will be on rise of the advertising and consulting industries as creative centers of modern consumer capitalism. Texts and discussion will focus particularly on specific corporate cultures of marketing management, practices of transnational knowledge exchanges, the global perception of American consumer society and regional differences and variations in consumer culture. In many industries, marketing long had to pursue global strategies with strong regional and local accents.		2 WLH
Examination: Term Paper (max. 15 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic structural developments of modern mass consumer capitalism and marketing; ability to identify problems of transcultural marketing and regional variations in the development of modern consumer cultures.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3	
Maximum number of students: 25		

Georg-August-Universität Göttingen Module M.WIWI-HGM.0009: Immigrant Entrepreneurship		6 C 2 WLH
Learning outcome, core skills: Students will learn to combine analytical and theoretical perspectives on (immigrant) entrepreneurship, network economies, and the role of trust and cultural hybridity with the visions and experience of individual immigrant entrepreneurs. This will provide them with a more profound understanding of the processes of innovation and of the motives for creative and self-determined activities. Students will achieve a broad familiarity with the problems and possibilities of modern mobility and will be sensitized for the economic potential of combining different cultural backgrounds and traditions.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Immigrant Entrepreneurship (Seminar) <i>Contents:</i> This seminar offers analytical insights into the ways immigrants contribute to their chosen host countries and their former home countries in serving basic and advanced needs and creating new services and goods. In contrast to the dominant focus on small businesses in migrant economies, a special emphasis will be given to larger firms and creative industry start-ups. The seminar will combine the rich literature in migration sociology and economics with well documented historical case studies in global migration.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with basic concepts of (immigrant) entrepreneurship in sociology, history, and economics; ability of cross-cultural and cross-economic analysis, of combining general and individual analytical frameworks, and the interaction of economy and culture.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3	
Maximum number of students: 25		

Georg-August-Universität Göttingen Module M.WIWI-HGM.0010: Politics, Society, and Culture of Europe and Beyond		6 C 2 WLH
Learning outcome, core skills: Students acquire a deeper understanding of the complexity and interdependence of history, culture, and political, social and economic structures in Europe or other regions of the world. This raises their awareness for the chances and problems of future regional development.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Global Varieties of Capitalism (Seminar) <i>Contents:</i> The course will familiarize students with selected aspects of the history and current social issues of regional relevance.		2 WLH
Examination: Term paper (max. 15 pages) or oral examination (approx. 15 minutes) Examination prerequisites: Regular attendance		6 C
Examination requirements: Familiarity with basic aspects of regional history, culture, and political and social structures, knowledge of relevant debates and relevant research, ability to critically discuss and contextualize specific aspects of the topics that are treated in the particular course.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-HGM.1001: History of Global Markets I		12 C 4 WLH
Learning outcome, core skills: Students will be able to critically discuss and analyze the structures of global capitalism and the history of transnational economic flows. In class presentations and written term papers they will learn to identify major problems of transcultural economic processes and to apply this theoretical and contextual knowledge to the analysis of specific historical case studies.		Workload: Attendance time: 56 h Self-study time: 304 h
Course: Intensive Module in the History of Global Markets (Seminar I) <i>Contents:</i> Emphasizing specific regions, themes or time periods, the courses will familiarize students with basic aspects of the development of global market structures in the 19th and 20th century. The seminars will emphasize questions of global migration, labor markets, management and marketing history. Texts and discussion will focus on current historiographic research and its application to the analysis of globalization processes.		2 WLH
Examination: Term paper (max. 20 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Course: Intensive Module in the History of Global Markets (Seminar II) <i>Contents:</i> Emphasizing specific regions, themes or time periods, the courses will familiarize students with basic aspects of the development of global market structures in the 19th and 20th century. The seminars will emphasize questions of global migration, labor markets, management and marketing history. Texts and discussion will focus on current historiographic research and its application to the analysis of globalization processes.		2 WLH
Examination: Term paper (max. 20 pages) or oral examination (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic structural developments of global capitalism; ability to identify and reflect on fundamental economic problems, knowledge of recent scholarship and critical evaluation of historical theories, independent research and ability to creatively apply problem-solving methodologies. Each examination requires the application of these broader concepts and methodologies to the specific topics of the particular seminars offered.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	

Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: 25	

Georg-August-Universität Göttingen Module M.WIWI-HGM.1002: History of Global Markets II		12 C 4 WLH
Learning outcome, core skills: Students will be able to critically discuss and analyze the structures of global capitalism and the history of transnational economic flows. In class presentations and written term papers they will learn to identify major problems of transcultural economic processes and to apply this theoretical and contextual knowledge to the analysis of specific historical case studies.		Workload: Attendance time: 56 h Self-study time: 304 h
Course: Intensive Module in the History of Global Markets (Seminar I) <i>Contents:</i> Emphasizing specific regions, themes or time periods, the courses will familiarize students with basic aspects of the development of global market structures in the 19th and 20th century. The seminars will emphasize questions of global migration, labor markets, management and marketing history. Texts and discussion will focus on current historiographic research and its application to the analysis of globalization processes.		2 WLH
Examination: Term paper (max. 20 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Course: Intensive Module in the History of Global Markets (Seminar II) <i>Contents:</i> Emphasizing specific regions, themes or time periods, the courses will familiarize students with basic aspects of the development of global market structures in the 19th and 20th century. The seminars will emphasize questions of global migration, labor markets, management and marketing history. Texts and discussion will focus on current historiographic research and its application to the analysis of globalization processes.		2 WLH
Examination: Term paper (max. 20 pages) with presentation (approx. 15 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Familiarity with the basic structural developments of global capitalism; ability to identify and reflect on fundamental economic problems, knowledge of recent scholarship and critical evaluation of historical theories, independent research and ability to creatively apply problem-solving methodologies. Each examination requires the application of these broader concepts and methodologies to the specific topics of the particular seminars offered.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	
Course frequency:	Duration:	

each winter semester	1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: 25	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0001: Generalized Regression		6 C 4 WLH
Learning outcome, core skills: Upon completion of the module, the students have acquired the following competencies: • overview on extended regression modelling techniques that allow to analyse data with non-normal responses, • approaches for modeling nonlinear effects in scatterplot smoothing, • introduction to additive models and mixed models for complex regression analyses, • implementation of these approaches using statistical software packages.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Generalized Regression (Lecture) <i>Contents:</i> Generalized linear models (binary and Poisson regression, exponential families, maximum likelihood estimation, iteratively weighted least squares regression, tests of hypotheses, confidence intervals, model selection and model checking, categorical regression models), nonparametric smoothing techniques (penalized spline smoothing, local smoothing approaches, general properties of scatterplot smoothers, choosing the smoothing parameter, bivariate and spatial smoothing, generalized additive models), mixed models, quantile regression		2 WLH
Course: Generalized Regression (Tutorial) <i>Contents:</i> Generalized linear models (binary and Poisson regression, exponential families, maximum likelihood estimation, iteratively weighted least squares regression, tests of hypotheses, confidence intervals, model selection and model checking, categorical regression models), nonparametric smoothing techniques (penalized spline smoothing, local smoothing approaches, general properties of scatterplot smoothers, choosing the smoothing parameter, bivariate and spatial smoothing, generalized additive models), mixed models, quantile regression		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes)		6 C
Examination requirements: In the exam, the students demonstrate their ability to choose, fit and interpret extended regression modeling techniques. They show a general understanding of the derived estimates and their interpretation in various contexts. The students are able to implement complex regression models using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistical modelling using linear regression models	

	M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes)
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2
Maximum number of students: not limited	
Additional notes and regulations: The actual examination will be published at the beginning of the semester.	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0002: Advanced Statistical Inference (Likelihood & Bayes)		6 C 4 WLH
Learning outcome, core skills: Upon completion of the module, the students have acquired the following competencies: • foundations and general properties of likelihood-based inference in statistics, • bayesian approaches to statistical learning and their properties, • implementation of both approaches in statistical software using appropriate numerical procedures.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Statistical Inference (Likelihood & Baye) (Lecture) <i>Contents:</i> The likelihood function and likelihood principles, maximum likelihood estimates and their properties, likelihood-based tests and confidence intervals (derived from Wald, score, and likelihood ratio statistics), expectation maximization algorithm, Bootstrap procedures (estimates for the standard deviation, the bias and confidence intervals), Bayes theorem, Bayes estimates, Bayesian credible intervals, prior choices, computational approaches for Bayesian inference, model choice, predictions		2 WLH
Course: Advanced Statistical Inference (Likelihood & Bayes) (Exercise) <i>Contents:</i> The likelihood function and likelihood principles, maximum likelihood estimates and their properties, likelihood-based tests and confidence intervals (derived from Wald, score, and likelihood ratio statistics), expectation maximization algorithm, Bootstrap procedures (estimates for the standard deviation, the bias and confidence intervals), Bayes theorem, Bayes estimates, Bayesian credible intervals, prior choices, computational approaches for Bayesian inference, model choice, predictions		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes)		6 C
Examination requirements: The students demonstrate their general understanding of likelihood-based and Bayesian inference for different types of applications and research questions. They know about the advantages and disadvantages as well as general properties of both approaches, can critically assess the appropriateness for specific problems, and can implement them in statistical software. The exam covers contents of both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of mathematics and statistics	
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib	
Course frequency: every year	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	
Additional notes and regulations: The actual examination will be published at the beginning of the semester.	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0004: Econometrics I		6 C 6 WLH
Learning outcome, core skills: This course enables students to approach empirical research problems within the framework of the linear regression model, including model specification and selection, estimation, inference and detection of heteroscedasticity and autocorrelation. Moreover, the students can apply the methods discussed to real economic data and problems using the statistical software package R and they are able to assess estimator properties (finite sample and asymptotic). This course enables students to access more advanced topics in econometrics.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Econometrics I (Lecture) <i>Contents:</i> The lecture covers the following topics: 1. Introduction to the basic multiple regression model, model specification, OLS estimation, prediction and model selection, Multicollinearity and partial regression. 2. The normal linear model, including maximum likelihood and interval estimation, hypothesis testing. 3. Asymptotic properties of the OLS and (E)GLS estimators. 4. Generalized linear model: GLS and EGLS estimators, properties of these, heteroskedastic and autocorrelated models, testing for heteroscedasticity and autocorrelation.		2 WLH
Course: Econometrics I (Exercise) <i>Contents:</i> The practical deepens the understanding of the lecture topics by applying the methods from the lecture to economic problems and data, and reviewing and intensify theoretical concepts.		2 WLH
Course: Econometrics I (Tutorial) <i>Contents:</i> The tutorials are small classes with max. 20 students, which give room for applying the concepts to specific problem sets and discussing questions, that students might encounter regarding the concepts addressed in the lecture and practical. A part of the tutorial are hands-on computer exercises using the software R. This enables students to conduct regression analysis in practice and prepares them for others (applied) courses.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: The students demonstrate their understanding of basic econometric concepts. They show that they can apply these concepts to real economic problems.		
Admission requirements: none	Recommended previous knowledge: Basic knowlegde in statistics and mathematics	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	

Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0005: Econometrics II		6 C 4 WLH
Learning outcome, core skills: As the outcome of this advanced course the students are able to • identify problems of estimation and inference arising due to stochastic regressors, • establish finite sample and asymptotic properties of estimators under the assumption that the data generating process contains stochastic regressors, • model simple univariate stationary and non-stationary time series processes, • carry out and interpret test results of unit root and cointegration tests, • set up, and estimate (over-, under-) identified simultaneous equation models, • model simple multivariate time series with possible cointegration, • implement estimators and analyze real world datasets with the R programming language.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Econometrics (Lecture) <i>Contents:</i> Stochastic regressors in linear econometric models; OLS, IV, 2SLS, GMM estimators; Dynamic linear econometric models: stationary stochastic processes, ARMA models, (testing) unit roots, (testing) cointegration, spurious regression; Simultaneous equation models: Identification, estimation (GLS, IV, 2SLS, 3SLS, ILS) Vector autoregressive and error correction models: Interpretation, estimation, inference.		2 WLH
Course: Econometrics II (Exercise) <i>Contents:</i> Exercises deepening concepts from the lecture, and demonstrating practical applications. Simulations and data analysis exercises using the R programming language.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: The students demonstrate their understanding of advanced econometric concepts. They show that they can apply these concepts to real economic problems.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-QMW.0009: Introduction to Time Series Analysis		6 C 4 WLH
Learning outcome, core skills: The students: • learn concepts and techniques related to the analysis of time series and forecasting, • gain a solid understanding of the stochastic mechanisms underlying time series data, • learn how to analyse time series using statistical software packages and how to interpret the results obtained.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Introduction to Time Series Analysis (Lecture) <i>Contents:</i> Classical time series decomposition analysis (moving averages, transformations of time series, parametric trend estimates, seasonal and cyclic components), exponential smoothing, stochastic models for time series (multivariate normal distribution, autocovariance and autocorrelation function), stationarity, spectral analysis, general linear time series models and their properties, ARMA models, ARIMA models, ARCH and GARCH models.		2 WLH
Course: Introduction to Time Series Analysis (Tutorial) <i>Contents:</i> Practical and theoretical exercises covering the content of the lecture. Implementation of time series models and estimation by common statistical software (e.g. R or Matlab). Interpretation of estimation results.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: The students show their ability to analyze time series using specific statistical techniques, can derive and interpret properties of stochastic models for time series, and can decide on appropriate models for given time series data. The students are able to implement time series analyses using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in statistics M.WIWI-QMW.0004 Econometrics I	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	

Maximum number of students:	
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50	
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Georg-August-Universität Göttingen Module M.WIWI-QMW.0010: Multivariate Statistics		6 C 4 WLH
Learning outcome, core skills: The students: • learn the basic concepts of multivariate data analysis, • know how to apply the most common methods of multivariate statistics in practice, • learn how to implement multivariate statistical approaches using the software package R, • know how to interpret the results of multivariate data analyses.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Multivariate Statistics (Lecture) <i>Contents:</i> Multivariate distributions and their properties (e.g., multivariate normal distribution), copulas, classification methods, principal component analysis, cluster analysis.		2 WLH
Course: Multivariate Statistics (Exercise) <i>Contents:</i> In the accompanying exercise, students deepen and expand the knowledge and skills acquired in the lecture.		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 25 minutes)		6 C
Examination requirements: In the exam, the students demonstrate that they are able to apply the basic concepts of multivariate statistics. They can decide for a suitable procedure given an applied problem, implement the approach in statistical software and interpret the results. The exam consists of material from both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistical modelling using linear regression models M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes)	
Language: English	Person responsible for module: Prof. Dr. Elisabeth Bergherr	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-QMW.0011: Advanced Statistical Programming with R		9 C 2 WLH
Learning outcome, core skills: The students acquire advanced understanding of programming concepts in the statistical programming environment R. They learn how to independently implement advanced statistical methodology and how to structure a large programming project. They furthermore develop abilities in debugging and optimizing R code and to present and document the results of their programming project.		Workload: Attendance time: 28 h Self-study time: 242 h
Course: Advanced Statistical Programming with R (Seminar) <i>Contents:</i> The students work on advanced statistical programming projects using methods and techniques they got to know in the "Introduction to R". This involves implementation of advanced statistical methodology, utilising tools for debugging and profiling code and documenting the code. The progress of the projects is documented in a presentation and a written report.		2 WLH
Examination: Term paper (max. 20 pages) or project work (project documentation in group work (max. 10 pages)) or development of a prototype (prototypical programming development including documentation (max. 20 pages)) Examination prerequisites: Two presentations (each ca. 20 minutes), regular attendance		9 C
Examination requirements: The students work on a programming project with the goal of implementing a given statistical approach in an R package. The programming project is worked on in groups of up to three students. The students document their work in terms of the documentation for their R package and a written report of approximately 15 pages.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0021 Introduction to Statistical Programming M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.MED.0001 Linear Models and their Mathematical Foundations	
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2	
Maximum number of students:		

30	
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Georg-August-Universität Göttingen Module M.WIWI-QMW.0012: Multivariate Time Series Analysis		6 C 4 WLH
Learning outcome, core skills: The students: • learn concepts and techniques related to the analysis of multivariate time series and the forecasting thereof. • learn to characterize the dynamic interrelationship between the variables of dynamic systems, • learn to relate economic models with restrictions implied by its empirical counterpart, • learn how to analyse multivariate time series using by means of statistical software packages and to interpret the results obtained.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Multivariate Time Series Analysis (Lecture) <i>Contents:</i> Vector Autoregressive and Vector Moving Average representations Model selection and estimation, Unit roots in vector processes, Vector autoregressive vs. vector error correction modeling, structural vectorautoregressions, Impulse response analysis, forecasting, forecast error variance decomposition		2 WLH
Course: Multivariate Time Series Analysis (Tutorial) <i>Contents:</i> Practical and theoretical exercises covering the content of the lecture. Implementation of multivariate time series models and estimation in common statistical software (e.g. R or Matlab). Interpretation of estimation results.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: The students show their ability to analyze systems of time series using specific statistical techniques, can derive and interpret properties of stochastic models for time series, and can decide on appropriate models for given data. The students are able to implement time series analyses using statistical software and to interpret the corresponding results. The exam covers contents of both the lecture and the exercises.		
Admission requirements: none	Recommended previous knowledge: Basic knowledgin in statistics M.WIWI-QMW.0004 Econometrics I M.WIWI-QMW.0009 Introduction to Time Series Analysis	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	3 - 4
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Georg-August-Universität Göttingen Module M.WIWI-QMW.0013: Applied Econometrics		6 C 4 WLH
Learning outcome, core skills: This course enables students to: • independently develop empirical analyses on predetermined subjects including data search, model choice, software choice, discussion of results, • understand the theoretical background of specific analysis methods for (macro)economic data, • apply statistical methods to data, • possible applications: econometric validation of economic models, quantification of model parameters, prediction.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Applied Econometrics (Lecture) <i>Contents:</i> Discussion of relevant statistical concepts for concrete economic models (purchasing power parity, money demand, Fisher hypothesis, (dynamic) capital asset pricing model, etc.), introduction to the economic model and exemplary data analysis. The studied models can differ by the semester.		2 WLH
Course: Applied Econometrics (Exercise) <i>Contents:</i> Based on the contents of the lecture: data preparation and model implementation with statistical software (e.g. R or Matlab), discussion of results, theoretical exercises		2 WLH
Examination: Term paper (max. 15 papers) or written examination (90 minutes)		6 C
Examination requirements: In the case study the students show their ability to search data for a given economic problem and analyze the question by means of appropriate econometric methods. The examination includes a detailed description of the problem setting, proposed solution and discussion of results. Depending on the specific topic small simulation studies can be a further assignment. The written exam covers contents of the lecture and the exercises. The students show their ability to analyze economic problems applying specific statistical techniques, can derive and interpret properties of the models, and can decide on appropriate models for given data. The students are able to implement analyses using statistical software and to interpret the corresponding results.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in statistics M.WIWI-QMW.0004 Econometrics I M.WIWI-QMW.0009 Introduction to Time Series Analysis	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	

Course frequency: once a year	Duration: 1 Semester
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4

Georg-August-Universität Göttingen Module M.WIWI-QMW.0016: Spatial Statistics		6 C 4 WLH
Learning outcome, core skills: Upon completion of the module, the students have acquired the following competencies: • familiarity with basic concepts and examples of stochastic processes, • possibilities to include spatial information in statistical models, • experience in the practical analysis of spatial data • Interpretation of the results of spatial analyses.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Spatial Statistics (Lecture) <i>Contents:</i> Stochastic processes in discrete and continuous time, Wiener process, Poisson process, Markov chains, statistical analysis of spatially oriented data, spatial models for point-referenced data (geostatistics, kriging), spatial models for regional data (Markov random fields), spatial point processes, spatial stochastic processes, statistical inference in spatial statistics.		2 WLH
Course: Spatial Statistics (Exercise) <i>Contents:</i> Stochastic processes in discrete and continuous time, Wiener process, Poisson process, Markov chains, statistical analysis of spatially oriented data, spatial models for point-referenced data (geostatistics, kriging), spatial models for regional data (Markov random fields), spatial point processes, spatial stochastic processes, statistical inference in spatial statistics.		2 WLH
Examination: Written examination (90 minutes) or oral examination (ca. 20 minutes)		6 C
Examination requirements: The students show in the exam that they have learned to perform the basic steps and calculations involved in analyses of stochastic processes and spatial data. They can choose the most appropriate model for a given problem and can implement this model in statistical software. In addition, the resulting estimates can be interpreted and the results can be critically evaluated. The exam covers contents of both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistical modelling using linear regression models M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes)	
Language: English	Person responsible for module: Prof. Dr. Elisabeth Bergherr	
Course frequency: once a year	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 2 - 3
Maximum number of students: not limited	
Additional notes and regulations: The actual examination will be published at the beginning of the semester.	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0020: Practical Statistical Training		6 C 2 WLH
Learning outcome, core skills: The students: • learn how to implement statistical procedures for a given applied problem in a collaboration, • learn how to present results from a statistical analysis, • can identify a suitable statistical approach for a given problem, apply it and interpret the results.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Statistical Consulting (Seminar) <i>Contents:</i> Jointly with a collaboration partner that provides the applied research question, the students develop statistical solutions in groups of up to four students.		2 WLH
Examination: Term Paper (max. 20 pages) Examination prerequisites: Two presentations (ca. 30 minutes), regular attendance		6 C
Examination requirements: The students work in groups of up to three students on a given practical problem in collaboration with a project partner. This includes the pre-processing of data, the choice of suitable statistical methods and software, the communication of the results to the collaboration partner and the summary of the results in a written report.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.WIWI-QMW.0001 Generalized Regression M.MED.0001 Linear Models and their Mathematical Foundations M.WIWI-QMW.0011 Advanced Statistical Programming with R	
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib Prof. Dr. Heike Bickeböller, Prof. Dr. Tim Friede	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3	
Maximum number of students: 30		

Georg-August-Universität Göttingen		3 C
Module M.WIWI-QMW.0021: Introduction to Statistical Programming		2 WLH
Learning outcome, core skills: The students: • get to know the basic functionality of the statistical software package R • can implement advanced statistical approaches in R while using appropriate tools for optimising the code		Workload: Attendance time: 28 h Self-study time: 62 h
Course: Introduction to Statistical Programming (Lecture with tutorial) <i>Contents:</i> Data types and class structures, vectors and matrices, reading and writing data, statistical graphics, creating R packages, including other programming languages, debugging and profiling code, S3 and S4 classes, Trellis graphics and other advanced graphics features		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) or term paper (max. 10 pages) Examination prerequisites: Presentation (approx. 40 minutes) or Exercises (50% successful completion)		3 C
Examination requirements: The students demonstrate their understanding of the basic concepts of statistical programming with R. In particular, they demonstrate their ability to implement statistical methodology in R, to document their code and to use programming tools for debugging and optimizing the code.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of mathematics and statistics	
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1	
Maximum number of students: 30		
Additional notes and regulations: The actual examination will be published at the beginning of the semester.		

Georg-August-Universität Göttingen Modul M.WIWI-QMW.0022: Ausgewählte Fragestellungen der Quantitativen Methoden <i>English title: Selected Problems in Quantitative Methods</i>	6 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs im Gebiet quantitative Methoden. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich quantitative Methoden, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Ausgewählte Fragestellungen der Quantitativen Methoden (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten Themas aus dem Bereich quantitative Methoden anhand einer aktuellen Fragestellung.	4 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich	
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich quantitative Methoden bezogen auf die jeweilige aktuelle Fragestellung, • Übertragung der Konzepte auf praxisrelevante Beispiele, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich quantitative Methoden in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.	
Zugangsvoraussetzungen:	Empfohlene Vorkenntnisse:

keine	keine
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 30	

Bemerkungen:

Maximale Studierendenzahl bei Seminaren i.d.R. 30 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden.

Keine Teilnehmerbeschränkung bei Vorlesungen.

Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.

Georg-August-Universität Göttingen Module M.WIWI-QMW.0025: Development Microeconometrics		6 C 4 WLH
Learning outcome, core skills: Upon successful completion of the course, students will be able to: • discuss the strengths and weaknesses of contemporary microeconomic tools that are widely applied in development economics, • apply these microeconomic methods on real world data using the statistical software Stata and interpret estimation results, • discuss important classifications of micro data and suggest appropriate econometric tools to analyze them, • take tabular data, clean it, and run several inferential statistical analyses using Stata, • critically review published articles in development economics.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Development Microeconometrics (Lecture) <i>Contents:</i> 1. Multiple regression: basic concepts and tests 2. Instrumental variables estimation and two stages least squares 3. Panel data: fixed effects and random effects estimators, dynamic panel data estimators 4. Models with limited dependent variables: Logit, Probit, Multinomial logit, Ordered logit, Tobit model, Heckman's sample selection model, Count data models, 5. Estimating treatment effects, propensity score matching, regression discontinuity design		2 WLH
Course: Development Microeconometrics (Exercise) <i>Contents:</i> The exercise starts with an introduction to Stata. Subsequent sessions are devoted to applying the econometric tools discussed in the lecture on empirical data, thereby deepening the students' understanding of the econometric methods. Following the topics discussed in the lecture, students will receive exercises (accompanied by real data) that they should try to solve using Stata before coming to the Stata session, where we will solve the exercises together. Stata do-files will be made available at the end of each session.		2 WLH
Examination: Written examination (90 minutes) or oral examination (ca. 20 minutes)		6 C
Examination requirements: In the exam, students are expected to show their familiarity with and understanding of main microeconomic tools used in in development economics. In addition to the economic and econometric concepts, they are expected to write Stata codes for solving a given empirical question and interpret Stata outputs.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I	

Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0027: Advanced Meta-Research in Economics	6 C 4 WLH
Learning outcome, core skills: The students learn why replications are needed to improve the reliability of published empirical findings. Moreover, they learn to replicate an empirical study by using the statistical software R. To this end, they gain knowledge in the econometric methods used in the empirical study that is replicated and learn how these methods are implemented in R.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Meta-Research in Economics (Lecture) <i>Contents:</i> The lecture discusses the importance of replications in improving the reliability of published empirical findings. Sources of biases in empirical findings are analyzed and empirical evidence of these biases is presented and discussed. An overview of replications is given including a discussion of the recent replication crisis in economics. Characteristics of replications in economics are discussed highlighting different types of replications. <i>Topics:</i> 1. Incentives in academic publishing 2. p-hacking, HARKing and publication bias 3. Replications in economics 4. Empirical evidence of biases 5. Models of empirical research	2 WLH
Course: Advanced Meta-Research in Economics (Exercise) <i>Contents:</i> The exercise starts with an introduction to the statistical software R. The exercise follows the topics discussed in the lecture and deepens the understanding of these topics by providing and discussing tasks to be solved in R.	1 WLH
Course: Advanced Meta-Research in Economics (Tutorial) <i>Contents:</i> The students replicate a published article using the statistical software R. The replication tutorial offers help in acquiring knowledge of the econometric methods used in the articles that have to be replicated. Students can also get help in how these methods can be implemented in R.	1 WLH
Examination: Practical examination (max. 10 pages)	6 C
Examination requirements: The students select articles from a list or suggest articles that they then replicate using the statistical software R. They write a report of their replications discussing their findings in the light of the concepts introduced in the lecture and exercise. Both verifications of the published findings and careful sensitivity analyses are implemented. The R code is part of the examination.	

Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz Dr. Stephan Bruns
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3

Georg-August-Universität Göttingen		6 C
Module M.WIWI-QMW.0033: Current Topics in Applied Statistics		2 WLH
Learning outcome, core skills: The students: • learn how to study current topics in applied statistics independently and how to make themselves familiar with the state of the art of current research, • learn how to present the current state of the art in a presentation in a way that makes the contents accessible to a wider audience (and in particular other students), • can evaluate current publication with respect to their applicability for a given research question, • can implement novel statistical methods and apply them to empirical data.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Current Topics in Applied Statistics (Seminar) <i>Contents:</i> In the seminar, current topics in applied statistics will be presented and discussed by the students.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 45 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: The students demonstrate their ability to present statistical and econometric models and results and to document their findings in a corresponding report.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.MED.0001 Linear Models and their Mathematical Foundations M.WIWI-QMW.0021 Introduction to Statistical Programming	
Language: English	Person responsible for module: Prof. Dr. Thomas Kneib	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 15		
Additional notes and regulations: The module is suitable for students of the Master's degree program Applied Statistics, as advanced statistical knowledge is required.		

Georg-August-Universität Göttingen Module M.WIWI-QMW.0034: Python for Econometrics		6 C 2 WLH
Learning outcome, core skills: Students learn how to work with Python, one of the most powerful and versatile programming languages, and its efficient use in the field of numerical programming applied to economics. After their successful participation they have gained sufficient knowledge to understand Python-based statistical programs and carry out independent data analysis on their own by using Python. The participants also obtain a profound understanding of the critical evaluation of code pieces and a starting point for further in-depth studies in the field of applied data science.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Python for Econometrics (Lecture) <i>Contents:</i> In recent years, Python has established itself alongside R at the forefront of numerical programming languages. Very similar to the programming with MATLAB, mathematical-statistical representations from technical literature, such as econometric textbooks, can be implemented compactly and easily in the programming language Python and its scientific extensions. Following a concise introduction to the general-purpose language framework, the students learn how to design, implement and exchange their own data analysis projects in an object-oriented way: 1. Introduction to Python and object orientation. 2. Numerical programming - compared to MATLAB and R. 3. Data formats, handling, exports and imports - file and web. 4. Statistical analysis with applications in economics. 5. Visual illustrations and presentation of scientific results. The participants get familiar with Python's way of thinking and learn how to solve (scientific) programming problems with a state-of-the-art tool.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: The participants are expected to answer question sets about the programming language Python, about data analysis with Python and to demonstrate their knowledge on the basis of practical tasks.		
Admission requirements: none	Recommended previous knowledge: Scientific Programming, Statistical Programming with R or equivalent.	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	
Course frequency: each semester	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 2 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Modul M.WIWI-QMW.0035: Statistical and Deep Learning <i>English title: Statistical and Deep Learning</i>		6 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden sind nach Abschluss des Moduls vertraut mit dem aktuellen Forschungsstand moderner Statistical und Deep Learning Algorithmen und deren praktischer Anwendung. Sie kennen den theoretischen Hintergrund und die technische Umsetzung der Verfahren. Die Studierenden können die Methoden auf echten Datensätze anwenden und Vor- und Nachteile verschiedener Verfahren einschätzen.		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Statistical and Deep Learning (Seminar) <i>Inhalte:</i> Einführung in Neuronale Netze, Minimierungsalgorithmen (z.B. Stochastic Gradient Descent), Deep Neural Nets (insbes. Convolutional Neural Nets, Recurrent Neural Nets), Anwendung von Deep Learning Algorithmen auf verschiedene Zielstellungen (insbes. Bilderkennung, Spracherkennung, Long-Term Short-Term Finanzzeitreihen), aktuelle Verfahren des Natural Language Processing, des Image Recognition und Machine Learning Verfahren (z.B. Random Forests, Support Vector Machines).		4 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (max. 30 Min.) Prüfungsvorleistungen: Regelmäßige Teilnahme		6 C
Prüfungsanforderungen: Die Studierenden legen ein grundlegendes Verständnis von Deep Learning Verfahren dar. Sie weisen die erfolgreiche Rezeption der wissenschaftlichen Literatur zu der spezifischen Thematik der Hausarbeit sowie die Fähigkeit nach, die eigene Fachthematik einem fremden Publikum verständlich darzustellen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]: Dr. Benjamin Säfken, Dr. Alexander Silbersdorff	
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4	
Maximale Studierendenzahl: 20		

Georg-August-Universität Göttingen Module M.WIWI-QMW.0036: Economic and Business Forecasting		6 C 4 WLH
Learning outcome, core skills: The students: • learn basic concepts of prediction that develop, for instance, from regression or time series models, • gain a solid understanding of issues related to the evaluation of alternative predictors, • learn how to analyze empirical data by means of statistical software packages with a particular focus on forecasting exercises.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Economic and Business Forecasting (Lecture) <i>Contents:</i> Forecasts are produced in numerous areas such as business, economics, finance and many other fields. Forecasts are useful if they help to improve the decision-making process. The lecture provides an introduction to statistical/econometric methods to produce and evaluate forecasts. We discuss different type of loss functions, forecasting frameworks, statistical models, and optimal point predictions for selected loss functions along with the classical forecasting techniques (e.g. regression and univariate time series models). To monitor forecast performance we will discuss evaluation of single and multiple forecast methods. Selected topics will also deal with density and interval forecasts as well as forecast combination methods. Examples from applied forecasting will be used to illustrate the concepts throughout the lecture.		2 WLH
Course: Economic and Business Forecasting (Exercise) <i>Contents:</i> Practical and theoretical exercises covering the content of the lecture. Implementation of forecasting exercises with common statistical software (e.g. R or Matlab). Interpretation of estimation results.		2 WLH
Examination: Written examination (60 minutes) or oral examination (approx. 20 minutes)		6 C
Examination requirements: • The students show their familiarity with established forecasting models as well as with their implementation and economic and statistical evaluation, • the students are able to implement alternative predictors by means of statistical software, • they can critically discuss the (complementary) informational content of alternative predictors and interpret the corresponding results, • the exam covers both theoretical aspects of prediction and forecast evaluation as well as discussions of practical exercises.		
Admission requirements: none		Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I

	M.WIWI-QMW.0009 Introduction to Time Series Analysis
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4

Georg-August-Universität Göttingen Module M.WIWI-QMW.0037: Advanced Bayesian Inference		6 C 4 WLH
Learning outcome, core skills: The students: • learn about the computational challenges of and approaches to Bayesian inference, • get familiar with both simulation-based and approximate solutions to perform Bayesian inference, • learn how to utilize Bayesian inference for complex types of statistical models.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Bayesian Inference (Lecture) <i>Contents:</i> • Principles of Bayesian inference, • Markov chain Monte Carlo (MCMC) simulation techniques, • constructing sensible proposal distributions for MCMC, • constructing prior distributions, • model diagnostics and model criticism, • approximate forms of Bayesian inference, • variational Bayes inference, • Reversible jump MCMC, • Bayesian inference for semiparametric regression models.		2 WLH
Course: Advanced Bayesian Inference (Exercise) <i>Contents:</i> In the context of the supporting exercise, the students deepen and expand the knowledge and skills acquired in the lecture.		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes) or software project including term paper (max. 10 pages)		6 C
Examination requirements: The students demonstrate their advanced understanding of Bayesian inference for different types of statistical models. They know about the advantages and disadvantages as well as general properties of Bayesian inference, can critically assess the appropriateness for specific problems, and can implement them in statistical software.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0001 Generalized Regression M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.WIWI-QMW.0011 Advanced Statistical Programming with R M.MED.0001 Linear Models and their Mathematical Foundations	
Language:	Person responsible for module:	

English	Prof. Dr. Thomas Kneib
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3

Georg-August-Universität Göttingen Modul M.WIWI-QMW.0038: Datenschutz und Datenethik in angewandter Statistik <i>English title: Data Protection and Data Ethics in Applied Statistics</i>		3 C 2 SWS
Lernziele/Kompetenzen: Nach dem Besuch der Veranstaltung sind die Teilnehmer*innen dazu in der Lage: • statistische Methoden kritisch in Hinblick auf ethische, soziale und gesetzliche Implikationen zu reflektieren, • die möglichen Konsequenzen und Risiken bei der Verarbeitung personenbezogener Daten zu reflektieren und diese über technische Vorkehrungen zu minimieren, • die Rolle von Statistik bei der Berücksichtigung von Gleichbehandlung und Diversität zu reflektieren und diese zu fördern.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltung: Datenschutz und Datenethik in angewandter Statistik (Seminar) <i>Inhalte:</i> Im Rahmen der Veranstaltung (Seminar und Vorlesung) werden den Studierenden die grundlegenden wissenschaftsphilosophischen Grundlagen der angewandten Statistik erläutert, sowie Grundzüge der Datenethik und des Datenschutzes skizziert.		2 SWS
Prüfung: Präsentation (ca. 20 Minuten plus ca. 10 Minuten Diskussion) Prüfungsvorleistungen: regelmäßige Teilnahme		3 C
Prüfungsanforderungen: • Darlegung eines übergreifenden Verständnisses grundlegender rechtlicher und ethischer Fragestellungen der angewandten Statistik, • Nachweis der Kenntnis zentraler Rechtsnormen – insbesondere der EU- DSGVO und BDSG(neu), • Nachweis des Verständnisses zentraler Konzepte, insbesondere der Anonymität von Daten, der Einwilligung zur Datenverarbeitung, der Datenweitergabe sowie der Sicherstellung und Förderung von Gleichbehandlung und Diversität im Rahmen der Anwendung von statistischen Analysen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: M.MED.0001 Linear Models and their Mathematical Foundations M.MED.0010 Mathematische Grundlagen der Angewandten Statistik M.WIWI-QMW.0002 Advanced Statistical Inference(Likelihood & Bayes) M.WIWI-QMW.0021 Introduction to Statistical Programming	
Sprache:	Modulverantwortliche[r]:	

Deutsch, Englisch	Dr. Alexander Silbersdorff
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Maximale Studierendenzahl: 30	
Bemerkungen: Das Modul darf nicht absolviert werden, wenn bereits Modul B.Inf.301.3 Datenschutz und Informationssicherheit erfolgreich absolviert wurde.	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0039: Seminar Economic and Business Forecasting		6 C 2 WLH
Learning outcome, core skills: After a successful completion of the course students are able to: • work with real-world data using statistical software (e.g. R, Matlab), • use basic concepts of prediction, • evaluate forecasts, • extent knowledge about the relevance of different forecasting techniques in Economics and Businesses.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Economic and Business Forecasting (Seminar) <i>Contents:</i> Motivated by the importance of expectations in the decision-making process of economic and business agents, forecasts of economic and business indicators (e.g. GDP, interest rates, stock market returns, commodity prices) are of key importance. Students will use statistical software to produce and evaluate an optimal point forecast for a selected loss function along the classical forecasting techniques (e.g. regression/ univariate time series models). During the seminar, we will have some sessions dedicated to teaching statistical software skills. Finally, students improve their knowledge about the relevance of forecasting to the specific areas under study. Examples for forecasting topics in economic and business are stock market indices, inflation rates, unemployment, weather patterns, sales volume, commodity prices etc.		2 WLH
Examination: Presentation (approx. 20 minutes) and written elaboration (max. 15 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: Students are expected to write a scientific paper of no more than 15 pages and demonstrate strong presentation skills. In fulfilling these requirements, students must use statistical software to implement an econometric model and generate an optimal forecast within the framework of their chosen topic. This includes also sufficient efforts in data gathering and preprocessing. In addition, students should be able to evaluate and relate their forecasts to relevant literature in the fields of economics and business.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I M.WIWI-QMW.0009 Introduction to Time Series Analysis M.WIWI-QMW.0036 Economics and Business Forecasting	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	

Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4

Georg-August-Universität Göttingen Module M.WIWI-QMW.0040: Introduction to Statistical Methods in Economic Sciences	6 C 4 WLH
Learning outcome, core skills: Upon completing this course, students will have acquired a robust set of competencies integral to empirical research in economic sciences. They will demonstrate the ability to proficiently describe and apply statistical methods, spanning from estimation theory to testing concepts, for empirical analysis. Additionally, they will critically assess estimator properties in both finite sample and asymptotic contexts. Furthermore, students will develop the capacity to avoid common pitfalls and errors in interpreting the statistical results from empirical studies through a blend of theoretical understanding and hands-on application. The course fosters the skillset needed to analyze and discuss research findings, promoting critical thinking and the ability to engage in insightful discussions surrounding statistical methodologies.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Introduction to Statistical Methods in Economic Sciences (Lecture) <i>Contents:</i> Foundations of probability theory • random variables and their distributions • law of large numbers and its applications • expected values and moments Estimation theory • estimation concepts and methodologies • point estimates and their comparison • techniques for summarizing and presenting data effectively • method of moments, maximum likelihood estimation and their properties • weak convergence in law Fundamentals of hypothesis • concepts of hypothesis testing • confidence sets • Bayesian concepts	2 WLH
Course: Introduction to Statistical Methods in Economic Sciences (Exercise) <i>Contents:</i> In the accompanying exercises, students will apply lecture methods to concrete problems, engaging in hands-on tasks with economic data. These sessions aim to reinforce theoretical concepts, foster critical analysis and problem-solving skills.	2 WLH
Examination: Written examination (90 minutes)	6 C
Examination requirements: The students: • will be assessed on their ability to apply statistical methods to concrete issues,	

showcasing a comprehensive understanding of theoretical concepts covered in the course.	
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Admission requirements: none	Recommended previous knowledge: Basic knowledge in calculus
Language: English	Person responsible for module: Dr. Shu Wang
Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Georg-August-Universität Göttingen Module M.WIWI-QMW.0041: Stochastic Processes		6 C 4 WLH
Learning outcome, core skills: Upon completion of the module, the students have acquired the following competencies: • familiarity with concepts of different stochastic processes, • experience in the practical analysis of modeling data via stochastic processes, • interpretation of the results of such models.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Stochastic Processes (Lecture) <i>Contents:</i> Stochastic processes in discrete and continuous time such as Wiener processes, Poisson processes, Markov chains, Markov processes.		2 WLH
Course: Stochastic Processes (Exercise) <i>Contents:</i> In the accompanying exercise, students deepen and expand the knowledge and skills acquired in the lecture.		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 25 minutes)		6 C
Examination requirements: The students show in the exam that they have learned to perform the steps and calculations involved in analyses of stochastic processes. They can choose the most appropriate model for a given problem and can implement this model in statistical software. In addition, the resulting estimates can be interpreted and the results can be critically evaluated. The exam covers contents of both the lecture and the exercise class.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistical modelling, M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes)	
Language: English	Person responsible for module: Prof. Dr. Elisabeth Bergherr	
Course frequency: once a year	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	

Georg-August-Universität Göttingen Module M.WIWI-QMW.0042: Computational Statistics		6 C 4 WLH
Learning outcome, core skills: At the conclusion of the course, students will have the ability to know fundamental concepts in statistical computing and address large-scale problems by employing efficient methods, considering the computational resources available. In addition, students will have the competence to select appropriate methodologies for approximating solutions, either by formulating their own computational expressions or by utilizing advanced computation libraries codified within the statistical software R. Furthermore, the students will be capable of creating probabilistic models using the platforms of modelling Template Model Builder (TMB) and Stan.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Computational Statistics (Lecture) <i>Contents:</i> 1. Introduction to statistical computing 2. Numerical linear algebra 3. Optimization 4. The EM algorithm 5. Laplace approximation 6. Monte Carlo method 7. Markov Chain Monte Carlo		2 WLH
Course: Computational Statistics (Exercise) <i>Contents:</i> In the practical session, knowledge will be extended and intensified theoretically and practically in the statistical software R. Additionally, probabilistic models will be developed utilizing the interfaces offered by TMB and Stan within the environment of R.		2 WLH
Examination: Written examination (90 minutes) Examination prerequisites: Successful completion of homework exercises		6 C
Examination requirements: • Demonstration of understanding basic concepts of linear algebra, computational methods and programming, • implementing statistical methods in the software R, • implementation of simple statistical models in C++ (TMB and Stan), • theory (solving exercises by hand) and programming statistical models.		
Admission requirements: none	Recommended previous knowledge: Statistical modelling using linear regression models, M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes)	
Language: English	Person responsible for module: Dr. Joaquin Cavieres	
Course frequency:	Duration:	

each summer semester	1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4

Georg-August-Universität Göttingen Module M.WIWI-QMW.0043: Interactive Representation of Statistical Methods		6 C 2 WLH
Learning outcome, core skills: The Students: • learn how to study current topics in applied statistics independently and how to make themselves familiar with the state of the art of current research, • learn how to work with a complex data set, • learn how to implement an interactive tool to represent both the data and the methodologies.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Interactive Representation of Statistical Methods (Seminar) <i>Contents:</i> In the seminar, the students will get an introduction to a programming concept (like e.g. RShiny), which allows to implement interactive online tools for presenting statistical models. They will then work on and present their implementation of a project which has been chosen at the beginning of the semester. It will entail both, a complex data set and an advanced statistical method.		2 WLH
Examination: Development of a prototype (development of a web application including a written documentation (max. 15 pages) and a presentation of the project outcomes (approx. 25 minutes)) Examination prerequisites: Regular attendance		6 C
Examination requirements: The students demonstrate their ability to implement statistical models and results in an accessible way and to document their findings in a corresponding presentation as well as a report.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes), M.MED.0001 Linear Models and their Mathematical Foundations, M.WIWI-QMW.0021 Introduction to Statistical Programming	
Language: English	Person responsible for module: Prof. Dr. Elisabeth Bergherr	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students:		

15	
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Georg-August-Universität Göttingen Module M.WIWI-QMW.0044: Advanced Spatial Modelling		6 C 2 WLH
Learning outcome, core skills: At the end of this seminar, students will have the ability to recognize the constraints of traditional methods used in spatial statistical modeling and understand the current methodologies used to address these limitations. During the seminar, students will analyze a scientific document and prepare a report showcasing its primary findings, as well as offering suggestions for potential enhancements. These findings should be presented by the discussions held during the seminar, involving insights from their peers.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Advanced Spatial Modelling (Seminar) <i>Contents:</i> Four first weeks 1. Using R for spatial modelling and describe types of spatial data 2. Basics of point referenced data models (Variogram and Kriging method) 3. Basics of areal data (CAR models and SAR models). 4. Hierarchical modelling for spatial data (Bayesian modelling) Following sessions: Students must select a scientific article related to a specific spatial model. During the seminar, they will discuss the article, covering the methodology, mathematical expressions for the statistical model, data analysis, and the code associated. Most of papers should be focused in Bayesian inference and computational methods.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (approx. 25 minutes) Examination prerequisites: Regular attendance		6 C
Examination requirements: • Exploring the limits of spatial modelling through critical thinking, • discuss about novel ideas and enhancements for spatial modelling, such as innovative methodological approaches, advanced computational statistics, and solving real problems with these methods. Evaluation of the seminar: a) Document (paper): 70% b) Oral presentation: 30%		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.WIWI-QMW.0021 Introduction to Statistical Programming	
Language: English	Person responsible for module: Dr. Joaquin Cavieres	

Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 10	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0001: Advanced Microeconomics		6 C 4 WLH
Learning outcome, core skills: This course covers advanced microeconomic models. In this regard students are provided with the skills required to understand these models including advanced methods of calculus and basic proof techniques. Students learn how to formalize and analyze individual decision making and strategic interactions. They will get acquainted with models of individual choice under certainty and uncertainty. Students will be able to analyze decision problems of firms. They can distinguish between partial analysis of isolated markets and a general analysis considering mutual dependencies of markets. Finally, students will be able to formalize strategic interactions and to predict their theoretical outcomes based on a variety of solution concepts.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Microeconomics (Lecture) <i>Contents:</i> This course presents a formal treatment of microeconomic theory. 1. Rational choice under certainty 2. Consumer theory 3. Rational choice under uncertainty 4. Partial equilibrium 5. General equilibrium 6. Game theory		2 WLH
Course: Advanced Microeconomics (Exercise) <i>Contents:</i> The exercise deepens the understanding of concepts presented in the lecture. Students will receive problem sets, which they are requested to prepare at home. The solutions of these problem sets will be discussed in class.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstrate the capability to understand advanced economic models • Demonstrate the understanding of the main concepts of individual choice theory • Apply techniques developed in the lecture and in the exercise such as the method of Lagrange multipliers or the Edgeworth Box • Demonstrate the basic knowledge of the theory of partial and general equilibrium • Prove the ability to solve analytical exercises • Find the game theoretical solutions to strategic interactions • Conduct advanced calculations		
Admission requirements: none	Recommended previous knowledge: BA level microeconomics and mathematics	
Language: English	Person responsible for module: Prof. Dr. Claudia Keser Prof. Marcela Ibanez Diaz	

Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0007: Experimentalökonomik: Institutionen und Verhalten <i>English title: Experimental Economics: Institutions and Behavior</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • kennen institutionsökonomische Begründungen für die experimentelle Untersuchung menschlichen Verhaltens, • kennen Verhaltensmodelle als Umsetzungsform experimenteller Erkenntnisse für die wirtschaftspolitische Praxis, • kennen Grundzüge der Prospect Theory als Ansatz zur Feststellung von Risikoverhalten und Umgang mit Wahrscheinlichkeiten bei Individuen, • kennen grundlegende Richtlinien für die Gestaltung und Umsetzung von Experimenten, • können grundlegend durch Experimente generierte Daten analysieren, • kennen wesentliche experimentell umsetzbare Konzepte wie etwa Spiele zu öffentlichen Gütern, Kooperation, Fairness, Reziprozität, Erwartungsbildungen etc., • kennen wirtschaftspolitische Anwendungen der experimentellen Ergebnisse, bspw. im Bereich libertärer Paternalismus und Nudging, • kennen die Grundidee der Neuroökonomik als neueren Forschungsform der experimentellen Ökonomik und Zusammenhänge der Gehirnstruktur und Entscheidungsverhalten.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Experimentalökonomik: Institutionen und Verhalten (Vorlesung) <i>Inhalte:</i> Inhaltlich verknüpft die experimentelle Wirtschaftsforschung die Wirtschaftswissenschaften, die Psychologie und zum Teil auch die Neurowissenschaften. Die verwendete Methode sind dabei Experimente. Über die gesamte Vorlesung hinweg wird immer wieder der Bezug zwischen den Ergebnissen der experimentellen Wirtschaftsforschung und der Institutionenökonomik hergestellt. Diese Veranstaltung beginnt nach einer kurzen historischen Einordnung mit den theoretischen Grundlagen von individuellem (Entscheidungs-)Verhalten wie der Dual-System Theory, Verhaltensanomalien, Heuristiken und bounded rationality und endet mit der Prospect Theory. Die meisten der hier verwendeten Konzepte haben ihren Ursprung in der Psychologie, sind aber in den letzten Jahren in den Wirtschaftswissenschaften immer populärer geworden. Im Anschluss werden experimentelle Erkenntnisse, sowie deren Erklärung, von Individuen im Kontext von Gruppen bearbeitet. Dabei stehen soziale Präferenzen im Vordergrund. In diesem Teil der Vorlesung werden Experimente vorgestellt und kritisch diskutiert, die auf den klassischen Spielen der Spieltheorie aufbauen, wie bspw. Public Goods Games, Ultimatum Games, Credence Goods Games und Dictator Games.	2 SWS

Darüber hinaus befasst sich die Vorlesung mit der Verbindung von experimentellen Erkenntnissen über das menschliche (Entscheidungs-)Verhalten und der Wirtschaftspolitik. Hier werden die wirtschaftspolitischen Implikationen von ökonomischen Experimenten diskutiert. Fokussiert werden dabei libertärer Paternalismus, Nudges, Innovationen und nachhaltiges Verhalten anhand eines Kooperationsspieles mit zukünftigen Generationen. Als Ergänzung zum in Experimenten entdeckten Verhalten von Menschen, wird es immer wieder Verbindungen zur Neuroökonomie geben. Es werden hier neuroökonomische Experimente vorgestellt und diskutiert, um zum einen die neuesten Entwicklungen im Bereich der experimentellen Verhaltensökonomik zu zeigen und zum anderen um den Studierenden die Grundidee dieses neuen, den bisherigen ergänzenden, Forschungszweig näher zu bringen. In dieser Vorlesung wird es nicht nur Input in Form einer reinen Vorlesung geben. Es wird auch ausreichend Platz für kritische und weiterführende Diskussionen geben, um den Studierenden den wissenschaftlichen Diskurs näher zu bringen. Da zum wissenschaftlichen Alltag eines Experimentalökonomen auch die Durchführung von Experimenten, sowie die Datenauswertung gehören, wird es einen Termin im Experimentallabor geben, an dem die Studierenden etwas über die praktische Umsetzung lernen werden. Eine kurze Einführung in Experimetrics soll die Grundzüge der Auswertung von Experimentaldaten näherbringen. Die angebotenen Hausaufgaben dienen dazu über die gesamte Vorlesungszeit hinweg den bis dahin erlernten Stoff zu verfestigen und sich mit diesem kritisch auseinander zu setzen. So wird es neben der Wiedergabe von Ergebnissen und Methodik angegebener Paper auch einen Teil geben, bei dem die jeweiligen Paper diskutiert werden sollen. Anmerkung: Einzelnen konkrete Inhalte können variieren und werden in der ersten Vorlesung bekannt gegeben.		
Prüfung: Hausarbeit (max. 10 Seiten) Prüfungsvorleistungen: Bestehen von drei der vier angebotenen Hausaufgaben		6 C
Prüfungsanforderungen: Die Hausarbeit soll zeigen, dass die Studierenden die behandelten Arbeiten verstanden haben und in den Kontext der Literatur und der aktuellen Diskussion einordnen können. Studierende weisen nach, dass sie in der Lage sind, die Literatur in Bezug auf eine konkrete Fragestellung aufzubereiten und damit eine klare Argumentation für diese Fragestellung zu entwickeln. Sie weisen auch ihre Fähigkeiten nach, wissenschaftlich zu arbeiten, passende Quellen zu identifizieren, und die experimentelle Methodik kritisch zu reflektieren.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundkenntnisse im Bereich Institutionenökonomik werden vorausgesetzt	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer	

Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	
Bemerkungen: Die Teilnehmeranzahl ist auf 24 beschränkt, da das Experimentallabor nur über 24 Arbeitsplätze verfügt. Sprache Deutsch oder Englisch (wird im Vorlesungsverzeichnis und zu Beginn der Vorlesung bekannt gegeben)	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0008: Development Economics I: Macro Issues in Economic Development		6 C 4 WLH
Learning outcome, core skills: After successful completion, students will be able to understand why countries in the world are at different stages of economic development and how such development can be measured using different metrics. They can explain how historical income differences between countries developed, they can use theories of growth and trade to evaluate the constraints faced by developing countries. They can critically evaluate the role of population growth as well as aid and debt in affecting development, and they will be able to analyze regressions to evaluate determinants of economic development.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Development Economics I (Lecture) <i>Contents:</i> Overview of macroeconomic issues and approaches to analyzing problems of developing countries. Topics include measurement of development, historical evolution of income differences, growth theory, and linkages between globalization, aid, debt, population, the environment, and inequality and economic development.		2 WLH
Course: Development Economics I (Exercise) <i>Contents:</i> The exercise session is used to deepen understanding of concepts used in the lecture, discuss relevant literature, and apply concepts and methods developed in the lecture.		2 WLH
Examination: Written examination (90 minutes) Examination prerequisites: Submission of 6 exercise sheets (of sufficient quality). The exercises deepen the understanding of concepts and empirical methods taught in the lecture and apply it to specific cases.		6 C
Examination requirements: The students are able to explain concepts of economic development, their measurement, and the historical evolution of the development of countries. They demonstrate a good understanding of key theories and models of economic development, including growth and trade models. They are able to critically present these theories and models, are able to interpret empirical results from regression analyses that relate to these models, and are able to draw relevant policy conclusions coming out of these models and empirical assessments.		
Admission requirements: none	Recommended previous knowledge: Advanced knowledge in macroeconomics and basic knowledge in econometrics	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: each winter semester	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0009: Development Economics II: Micro Issues in Development Economics		6 C 4 WLH
Learning outcome, core skills: After successful completion, students will be able to understand poverty in developing countries, including its measurement and key determinants. They can explain the linkages between poverty, hunger, gender inequality, and fertility. They can analyze how market failures in markets for land, labor, capital and insurance can trap households in poverty, and derive appropriate policy recommendations to tackle these poverty traps. They can use regression analysis and impact evaluation methods to assess determinants of poverty and ways to overcome it.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Development Economics II (Lecture)		2 WLH
Course: Development Economics II (Exercise)		2 WLH
Examination: Term Paper (max. 5 pages)		3 C
Examination: Oral Presentation (approx. 20 minutes)		2 C
Examination: Essay in the form of a policy brief (max. 2 pages)		1 C
Examination requirements: The students demonstrate a good understanding of poverty, its measurement and determinants in developing countries. They are able to critically present theories and models of market failures for land, labor, capital and insurance markets that can trap households in poverty, are able to interpret empirical results that relate to these models, and are able to crucially draw relevant policy conclusions coming out of these models and empirical assessments.		
Admission requirements: none	Recommended previous knowledge: Knowledge of microeconomics and econometrics at BA level is highly desirable. Development Economics I is not a prerequisite.	
Language: English	Person responsible for module: Prof. Dr. Marcela Ibanez Diaz	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0010: Development Economics III: Regional Perspectives in Development Economics		6 C 3 WLH
Learning outcome, core skills: By the end of this course, students will be able to understand theoretical and empirical concepts in development economics and to apply them to differences in regional economic development. The main focus will be on the development experiences of Sub-Saharan Africa, (South) East Asia, China, India, and Latin America.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Development Economics III (Lecture) <i>Contents:</i> This course discusses regional perspectives in economic development of the past decades. The regions considered will be South and East Asia, Sub-Saharan Africa, and Latin America. Emphasis will be placed on a comparative analysis employing both macro and micro perspectives.		2 WLH
Course: Development Economics III (Exercise) <i>Contents:</i> The Exercise Session is the place to apply the learned differences of the economic development from a regional perspective.		1 WLH
Examination: Written examination (60 minutes) Examination requirements: In the final exam, students demonstrate their ability to apply their knowledge of development economics theory and empirical assessments to interpret and explain key issues affecting regional economic development.		3 C
Examination: Term paper (approx. 20 slides and max. 5 pages) Examination requirements: The term paper consists of a presentation of a scientific paper and a corresponding referee report where students summarize and critically discuss this research article.		3 C
Admission requirements: none	Recommended previous knowledge: Knowledge of macroeconomics and econometrics at BA level is highly desirable. Knowledge of development economics (at least at BA level, but preferably at MA level) also recommended (e.g., taking Development Economics I or II concurrently)	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: 25		

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0014: Allgemeine Steuerlehre <i>English title: Economics of Taxation</i>	6 C 4 SWS
Lernziele/Kompetenzen: Die Teilnehmenden lernen, wie Steuern konzipiert werden und verstehen, welche Wirkungen Steuern haben.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Allgemeine Steuerlehre (Vorlesung) <i>Inhalte:</i> 1. Steuern und Steuertechnik Definition grundlegender Begriffe (Abgrenzung von Steuern und anderen Abgaben, Besteuerungsziele) und Überblick über die Steuereinnahmen in Deutschland. Darstellung verschiedener Steuertarife. 2. Themen der Steuerlehre Äquivalenz- und Leistungsfähigkeitsprinzip. Inzidenz. Effiziente Besteuerung, Zusatzlast, Grenzkosten öffentlicher Mittel. Steuerüberwälzung und Zusatzlast im Partialmarkt. 3. Steuerwirkungen: Arbeitsangebot und Beschäftigung Analyse der Änderung des Arbeitsangebots eines Haushalts durch die Besteuerung des Lohneinkommens. Wirkung des Ehegattensplittings auf das Arbeitsangebot; normative Begründung des Ehegattensplittings. 4. Steuerwirkungen: Ersparnis und Investition Wirkung der Besteuerung auf die Kapitalkosten. Auswirkung der Besteuerung von Kapitaleinkommen auf die Ersparnis, das optimale Investitionsniveau und den Zinssatz im allgemeinen Gleichgewicht. Vergleich von Einkommensteuer und Cash-flow-Steuer. 5. Steuerwirkungen: Entscheidungen bei Unsicherheit Einfluss der Einkommensteuer auf die Portfoliostruktur von risikobehafteten Anlagen. Analyse der optimalen Entscheidung über Steuerhinterziehung. 6. Theorie der Zweitbestbesteuerung Analytische Herleitung der Zweitbest-Besteuerung und mathematische Untersuchung von Produktionssteuern (Produktionseffizienztheorem). 7. Effiziente Besteuerung: Anwendungen Analytische Untersuchung des umsatzsteuerlichen Vorsteuerabzugs, verschiedener Arten von Werbungskosten und des ermäßigten Umsatzsteuersatzes im Hinblick auf ihre Effizienz im Sinne der Zweitbest-Besteuerung. Analytischer Vergleich der Inzidenz von Einkommen- und Konsumsteuer in einem Generationen-Modell sowie Betrachtung der Effizienz beider Steuerarten. Dualität zwischen Zweitbest- und Leviathanbesteuerung.	2 SWS
Lehrveranstaltung: Allgemeine Steuerlehre (Übung)	2 SWS

Inhalte: In der Übung werden die Inhalte der Vorlesung anhand von Aufgaben wiederholt und vertieft.	
Prüfung: Klausur (90 Minuten)	6 C
Prüfungsanforderungen: Die Studierenden sollen zeigen, dass sie die ökonomischen Wirkungen von Steuern analysieren können. Dazu müssen sie zeigen, dass sie Steuern in einfachen mikroökonomischen Modellen analysieren und die Ergebnisse interpretieren können. Sie müssen zu steuerpolitischen Fragen Stellung nehmen und Grundkenntnisse über steuerliche Gestaltungsmöglichkeiten nachweisen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Robert Schwager
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0016: Fiskalföderalismus in Deutschland und Europa <i>English title: Fiscal Federalism in Germany and Europe</i>	6 C 3 SWS
Lernziele/Kompetenzen: Die Teilnehmenden lernen, warum Staaten mehrgliedrig organisiert werden. Sie kennen die wichtigsten Argumente der Föderalismusforschung und können vertikale Aufgabenverteilung in der EU und in Deutschland im Lichte dieser Theorie kritisch hinterfragen. Sie sind in der Lage, die Regelungen des Länderfinanzausgleichs darzustellen und die ökonomische Diskussion um dessen Anreiz- und Verteilungswirkungen zu erläutern. Teilnehmende können sich aktiv und kenntnisreich in die Diskussion um die Weiterentwicklung der europäischen Schuldenarchitektur einbringen. Teilnehmende können ökonomische Wirkungen und institutionelle Zusammenhänge im Kontext von Föderalismus und Finanzausgleich verbal und graphisch erläutern. Sie können Fragen zur Wirkung und Effizienz vertikaler Aufgabenzuordnung und zwischenstaatlicher Transferzahlungen im Rahmen kleiner mikroökonomischer Modelle analysieren und die Ergebnisse intuitiv erklären. Teilnehmende sind in der Lage, Reformen des Finanzausgleichs und der Europäischen Schuldenordnung im Lichte der Erkenntnisse der Föderalismusforschung kritisch zu diskutieren.	Arbeitsaufwand: Präsenzzeit: 42 Stunden Selbststudium: 138 Stunden
Lehrveranstaltung: Fiskalföderalismus in Deutschland und Europa (Vorlesung) <i>Inhalte:</i> 1. Gegenstand und Fragestellungen Einführung in die Fragestellungen der Föderalismustheorie und Definition grundlegender Begriffe des Föderalismus. Daten zur Bedeutung subnationaler Gebietskörperschaften. 2. Vertikale Aufgabenverteilung Analytische und grafische Herleitung der optimalen vertikalen Zuordnung von Aufgaben: Dezentralisierungstheorem, Skalenerträge und Netzwerkeffekte bei der Bereitstellung öffentlicher Güter, politische Verantwortung im Rahmen von Maßstabswettbewerb und (de-)zentralen Wahlen. Einführung in den Fiskalwettbewerb und die vertikale Aufgabenzuordnung innerhalb der EU. 3. Horizontaler Finanzausgleich Darstellung der Funktionen des Finanzausgleichs und mathematische Herleitung der Versicherungswirkung sowie von Anzeizeffekten eines Finanzausgleichs. Darstellung der Regelungen des deutschen Länderfinanzausgleichs sowie der darüber geführten politischen Diskussion. 4. Vertikaler Finanzausgleich	2 SWS

Formen vertikaler Zahlungen. Steuerverbund als Allmende. Regionalpolitik in der EU.	
5. Öffentliche Verschuldung im Föderalstaat Analyse der Anreizwirkungen von Staatsverschuldung im föderalen Kontext mit besonderem Fokus auf den Schulden der deutschen Länder und der Schuldenordnung der EU.	
Lehrveranstaltung: Fiskalföderalismus in Deutschland und Europa (Übung) <i>Inhalte:</i> In der Übung werden die Inhalte der Vorlesung anhand von Aufgaben wiederholt und vertieft. Dazu werden die in der Vorlesung vorgestellten theoretischen Modelle durch Beispiele illustriert. Institutionelle Fakten werden vertieft und empirische Ergebnisse werden diskutiert.	1 SWS
Prüfung: Klausur (90 Minuten)	6 C
Prüfungsanforderungen: Die Studierenden sollen zeigen, dass sie Theorien des Fiskalföderalismus verstehen und auf politische Fragen anwenden können. Dazu müssen sie zeigen, dass sie vertikale Aufgabenverteilung und Zahlungen zwischen Gebietskörperschaften in einfachen mikroökonomischen Modellen analysieren und die Ergebnisse interpretieren können. Sie müssen zeigen, dass sie wichtige institutionelle Gegebenheiten, wie die Regeln des Finanzausgleichs und die Instrumente der EU zur Schuldenpolitik, kennen und in den Grundzügen darstellen können.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Robert Schwager
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0019: Advanced Development Economics		6 C 4 WLH
Learning outcome, core skills: By end of this course, the students will be familiar with cutting edge theoretical and empirical research in development economics. To achieve that, the course will acquaint students with the state of the art in modern development economics. The topics covered will vary from time to time, always focusing on new and emerging issues in development economics research.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Development Economics (Lecture) <i>Contents:</i> The students will analyze cutting edge research in development economics. The topics covered will vary from time to time, always focusing on new and emerging issues in development economics research.		2 WLH
Course: Advanced Development Economics (Exercise) <i>Contents:</i> In the exercise session, students will deepen their understanding of concepts used in the lecture, present and discuss relevant literature, and apply concepts and methods developed in the lecture.		2 WLH
Examination: Presentation (approx. 30 minutes) of an academic article that is assigned to the students Examination requirements: With the student presentation, students are expected to demonstrate their ability to synthesize, present and discuss academic research results for an academic audience.		2 C
Examination: Two essays (max. 4 pages each) in the form of referee reports on two other scientific articles that are assigned to the students Examination requirements: By writing multiple referee reports, students demonstrate their ability to interpret cutting edge research in development economics, including critically evaluating models, theories, and econometric techniques.		4 C
Admission requirements: none	Recommended previous knowledge: M.WIWI-VWL.0008 Development Economics I: Macro Issues and M.WIWI-VWL.0009: Development Economics II Micro Issues in Development Economics or equivalent, knowledge of MA level econometrics plus good knowledge of MA level development economics highly desirable.	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	3 - 4
Maximum number of students: 25	
Additional notes and regulations: The limitation of the maximum number of students is based on the seminar character of the course, e.g. the performance of a presentation as an examination per participating people.	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0021: Gender and Development		6 C 3 WLH
Learning outcome, core skills: Allow students to understand key theoretical and empirical approaches to understanding gender inequality in developing countries, including gender gaps in education, health and mortality, employment, time-use, and governance. Familiarize students with different approaches to conceptualize and measure gender gaps and enable them to analyze policies to tackle gender inequality.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Gender and Development (Lecture) <i>Contents:</i> In the lecture the students will discuss the different mechanism behind gender based inequality. , including gender gaps in education, health and mortality, employment, time-use, and governance. It will familiarize students with different approaches to conceptualize and measure gender gaps and enable them to analyze policies to tackle gender inequality		2 WLH
Course: Gender and Development (Tutorial) <i>Contents:</i> The tutorial is used to deepen understanding of concepts used in the lecture, discuss relevant literature, and apply concepts and methods developed in the lecture.		1 WLH
Examination: Written examination (90 minutes) or term Paper (max. 15 pages)		6 C
Examination requirements: In the term paper, students demonstrate their ability to develop a coherent argument on a particular issue of gender inequality in developing countries. In the exam, students demonstrate their ability to understand theory and empirical assessments of gender inequality, including measurement, and policy issues.		
Admission requirements: none	Recommended previous knowledge: Knowledge of development economics (at least at BA level, but preferably at MA level) also recommended (e.g. taking Development Economics I or II concurrently)	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: 25		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0023: Seminar on the Economic Situation of Latin America in the 21st Century: 'Trade-related and Macroeconomic Issues for Latin American Policy Making'	6 C 2 WLH
Learning outcome, core skills: After successful completion of the module students are able to name and explain the most important macroeconomic and trade-related policy changes in Latin America (LA). They are able to compare economic policy in LA with policy in other countries, to evaluate the policy mix applied in LA and to draw policy conclusions. Competencies: • students learn how to formulate research questions, • students have a close look at theoretical studies/arguments in related field, • students familiarize with the empirical literature in related field, • students utilize the empirical methodology to evaluate the results obtained in the empirical literature, • students give reasons why theory and empirics are compatible or not, • students draw economic policy conclusions from empirical results.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar on the Situation in Latin America in the 21st Century: Trade Related and Macroeconomic Issues (Seminar) <i>Contents:</i> In this course international macroeconomic and trade issues, such as • international competitiveness (exchange rate policy and transport costs), • determinants of current account deficits, • choice of exchange rate system, • the role of capital flows, • economic integration (North-South; South-South), • analysis of trade agreements, • the role of trade liberalization (unilateral, bilateral, at the WTO level) will be dealt with.	2 WLH
Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages text) Examination prerequisites: Regular active attendance.	6 C
Examination requirements: • Students are able to identify macroeconomic and trade-related problems in developing countries, • students are able to describe, analyze and assess the challenges related to monetary policy and capital flows in developing countries, • students are able to describe, analyze and assess the working of different exchange rate systems,	

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| <ul style="list-style-type: none"> • students are able to describe, analyze and assess the challenges related to trade openness (trade liberalization versus protectionism; trade agreements). | |
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Admission requirements: none	Recommended previous knowledge: Knowledge of open economy macroeconomics; of basic international trade and monetary economics; of econometrics (e. g. Econometrics I)
Language: English	Person responsible for module: Dr. rer. pol. Felicitas Nowak-Lehmann
Course frequency: every summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0024: Seminar on the Economic Situation of Latin America in the 21st Century: 'Challenges of Economic Development in Latin America'	6 C 2 WLH
Learning outcome, core skills: After successful completion of the module students are able to name and explain the most important structural problems and challenges in Latin America (LA). They are able to identify economic deficiencies in LA and compare them with shortcomings in other countries, to evaluate the policy mix applied in LA and to suggest ways on how to improve policy interventions. Competencies: • students learn how to formulate research questions, • students have a close look at theoretical studies/arguments in related field, • students familiarize with the empirical literature in related field, • students utilize the empirical methodology to evaluate the results obtained in the empirical literature, • students give reasons why theory and empirics are compatible or not, • students draw economic policy conclusions from empirical results.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar on the Situation in Latin America in the 21st Century: Structural Problems, Crises and the Necessity of Reforms (Seminar) <i>Contents:</i> In this course structural problems and issues, such as • over-indebtedness, • dependence on development aid, remittances and international loans, • economic vulnerability (resource dependence, low degree of diversification, small manufacturing sector), • weak institutions, • lack of job opportunities, • challenges of migration, • global developments and their impact on Latin American economies will be dealt with.	2 WLH
Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages text) Examination prerequisites: Regular active attendance.	6 C
Examination requirements: • Students are able to identify structural and other deep-rooted problems in developing countries, • students are able to describe, analyze and assess the challenges related to crisis management in developing countries,	

• students are able to describe, analyze and assess the challenges of policy reform and resistance against it, • students are able to describe, analyze and assess the challenges related to global developments, such as migration, financial crisis etc.	
Admission requirements: none	Recommended previous knowledge: Knowledge of open economy macroeconomics, of development economics; of econometrics e. g. (Econometrics I), ability to apply textbook knowledge to problems of today's economies, ability of analyze structural problems
Language: English	Person responsible for module: Dr. rer. pol. Felicitas Nowak-Lehmann
Course frequency: every winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0025: Seminar Development Economics IV		6 C 2 WLH
Learning outcome, core skills: Students learn how to work through cutting edge research on a particular issue in development economics, develop a coherent argument addressing their research question, improve their academic writing, and learn how to present such work in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Development Economics IV (Seminar)		2 WLH
Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: In the paper, students demonstrate their ability to critically review academic studies on a particular topic, able to synthesize the results and develop a clear argument backed by the evidence in the literature. They also demonstrate their ability to research the scientific literature, and write a scientific paper. In the presentation, they demonstrate their ability to present key insights from complex theoretical and empirical papers, and to present and defend an argument on the research question developed from the literature.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0026: Seminar zu aktuellen Fragen der Institutionenökonomik <i>English title: Seminar in Contemporary Topics in Institutional Economics</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • haben die Kompetenz, eine selbstständige Recherche zu einem Thema aus dem Bereich der Institutionenökonomik in der einschlägigen aktuellen wissenschaftlichen Literatur durchzuführen, • sind in der Lage, die Thematik unter Anwendung komplexer theoretischer und empirischer wirtschaftswissenschaftlicher Ansätze zu erfassen und zu verstehen, • können eine schriftliche Arbeit zum Thema anfertigen, die hohen wissenschaftlichen Standards genügt. Weiterhin kennen und verwenden sie dabei die Grundsätze guten wissenschaftlichen Arbeitens, • sind in der Lage, das Thema rhetorisch überzeugend in klarer und eindeutiger Weise vor allen Teilnehmenden des Seminars zu präsentieren, • können in einer anschließenden Diskussion Fragen zum Thema beantworten und die Problematik auf wissenschaftlichem Niveau auch in ihrer gesellschaftspolitischen Relevanz kritisch reflektieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Seminar zu aktuellen Fragen der Institutionenökonomik (Seminar) <i>Inhalte:</i> Das Seminar beschäftigt sich mit aktuellen Fragen der experimentellen und empirischen Wirtschaftsforschung mit einem Schwerpunkt auf Institutionenökonomik. Das Seminar dient dabei der wissenschaftlichen Erarbeitung, der schriftlichen und mündlichen Präsentation sowie der kritischen Diskussion aktueller Fragen. Im Seminar werden aktuelle Forschungsergebnisse diskutiert und sollen den Studierenden ermöglichen, einen Überblick über angewandte Forschungsfelder der VWL mit Schwerpunkt auf Institutionenökonomik zu bekommen. Die genauen Inhalte und Themen werden immer am Ende des vorangehenden Semesters bekannt gegeben und wechseln von Semester zu Semester. Thematische Schwerpunkte der letzten Jahre waren z.B.: • Innovationspolitik • Ausgewählte Themen der Innovationsforschung und Innovationspolitik • Markt und Moral • Sustainability and happiness • Kann die Nachhaltigkeitsforschung durch die Glücksforschung bereichert werden und bietet die Glücksforschung eine gute Alternative zu bestehenden Wohlfahrtsmaßen?	2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (ca. 20 Minuten) Prüfungsvorleistungen: Regelmäßige und aktive Teilnahme.	6 C

Prüfungsanforderungen: Die Hausarbeit soll zeigen, dass der Studierende die behandelten Arbeiten verstanden hat und in den Kontext der Literatur und der aktuellen Diskussion einordnen kann. Studierende weisen nach, dass sie in der Lage sind, die Literatur in Bezug auf eine konkrete Fragestellung aufzubereiten und damit eine klare Argumentation für diese Fragestellung zu entwickeln. Sie weisen auch nach, dass sie in der Lage sind, wissenschaftlich zu arbeiten, passende Quellen zu identifizieren, zu nutzen, kritisch zu reflektieren, und klar zu kennzeichnen. Die Präsentation soll zeigen, dass der Studierende ökonomische Forschungsergebnisse und komplexe Sachverhalte kurz und klar vorstellen kann und er soll zeigen, dass er in der Lage ist, seine Arbeit zu verteidigen, und auch Fragen und Kommentare dabei zu berücksichtigen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundkenntnisse in den Bereichen Mikroökonomik, Makroökonomik und Wirtschaftspolitik werden vorausgesetzt
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0035: Economic Effects of Regional Integration		6 C 2 WLH
Learning outcome, core skills: Students learn how to formulate research questions. They are expected to provide a critical assessment of the theoretical studies/arguments in the related field and to review the related empirical literature. Students also learn how to apply the empirical methodology to evaluate the results obtained in the empirical literature, provide some reasons why theory is confirmed or not with empirics and draw economic policy conclusions from empirical results.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Economic Effects of Regional Integration (Seminar) <i>Contents:</i> • Regionalism versus Multilateralism in the World Economy • European Integration: EU, MU, East Enlargement • Latin American Integration • Asian Regionalism • African Integration		
Examination: Presentation (ca. 20 min.) with written elaboration (max. 15 pages text) Examination prerequisites: Regular active attendance.		6 C
Admission requirements: none	Recommended previous knowledge: International economics and basic knowledge in econometrics	
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 18		

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0036: Seminar zu aktuellen Fragen der Wirtschaftspolitik <i>English title: Seminar in Contemporary Topics in Economic Policy</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • haben die Kompetenz, eine selbstständige Recherche zu einem Thema aus dem Bereich der Wirtschaftspolitik in der einschlägigen aktuellen wissenschaftlichen Literatur durchzuführen, • sind in der Lage, die Thematik unter Anwendung komplexer theoretischer und empirischer wirtschaftswissenschaftlicher Ansätze zu erfassen und zu verstehen, • können eine schriftliche Arbeit zum Thema anfertigen, die hohen wissenschaftlichen Standards genügt, • kennen und verwenden dabei die Grundsätze guten wissenschaftlichen Arbeitens, • sind in der Lage, das Thema rhetorisch überzeugend in klarer und eindeutiger Weise vor allen Teilnehmern des Seminars zu präsentieren, • können in einer anschließenden Diskussion Fragen zum Thema beantworten und die Problematik auf wissenschaftlichem Niveau auch in ihrer gesellschaftspolitischen Relevanz kritisch reflektieren, • kennen die wirtschaftspolitischen Dimensionen der Nachhaltigkeitsdebatte, • kennen alternative Wohlfahrtsmaße.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Seminar zu aktuellen Fragen der Wirtschaftspolitik (Seminar) <i>Inhalte:</i> Das Seminar beschäftigt sich mit aktuelle Fragen der Wirtschafts- und Umweltpolitik. Das Seminar dient dabei der wissenschaftlichen Erarbeitung, der schriftlichen und mündlichen Präsentation sowie der kritischen Diskussion aktueller Fragen zur empirischen Wirtschaftsforschung. Im Seminar werden aktuelle Forschungsergebnisse diskutiert und sollen den Studierenden ermöglichen, einen Überblick über angewandte Forschungsfelder der VWL zu bekommen. Die genauen Inhalte und Themen werden immer am Ende des vorangehenden Semesters bekannt gegeben und wechseln von Semester zu Semester. Themen der letzten Jahre waren z.B. • Innovationspolitik • Ausgewählte Themen der Innovationsforschung und Innovationspolitik • Markt und Moral • Sustainability and happiness • Kann die Nachhaltigkeitsforschung durch die Glücksforschung bereichert werden und bietet die Glücksforschung eine gute Alternative zu bestehenden Wohlfahrtsmaßen?	2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (ca. 20 Minuten) Prüfungsvorleistungen:	6 C

Regelmäßige und aktive Teilnahme.	
Prüfungsanforderungen: Die Hausarbeit soll zeigen, dass der Studierende die behandelten Arbeiten verstanden hat und in den Kontext der Literatur und der aktuellen Diskussion einordnen kann. Studierende weisen nach, dass sie in der Lage sind, die Literatur in Bezug auf eine konkrete Fragestellung aufzubereiten und damit eine klare Argumentation für eine Fragestellung zu entwickeln. Sie weisen auch nach, dass sie in der Lage sind, wissenschaftlich zu arbeiten, passende Quellen zu identifizieren, zu nutzen, kritisch zu reflektieren, und klar zu kennzeichnen. Die Präsentation soll zeigen, dass der Studierende ökonomische Forschungsergebnisse und komplexe Sachverhalte kurz und klar vorstellen kann und er soll zeigen, dass er in der Lage ist, seine Arbeit zu verteidigen, und auch Fragen und Kommentare dabei zu berücksichtigen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundkenntnisse in den Bereichen Mikroökonomik, Makroökonomik und Wirtschaftspolitik werden vorausgesetzt
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 2
Maximale Studierendenzahl: 20	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0037: Finanzwissenschaftliches Forschungsseminar <i>English title: Seminar Public Economics</i>		6 C 2 SWS
Lernziele/Kompetenzen: Das Seminar führt an Forschungsmethodik und aktuelle Resultate der Finanzwissenschaft heran. Die Teilnehmende sind in der Lage, Forschungsarbeiten zu lesen, methodisch zu durchdringen und richtig und verständlich darzustellen. Sie lernen, theoretische, empirische und experimentelle Resultate der finanzwissenschaftlichen Forschung in den Kontext der Literatur einzuordnen, kritisch zu hinterfragen und auf politische Probleme anzuwenden. Teilnehmende üben ein, wissenschaftliche Ergebnisse anschaulich und verständlich zu präsentieren. Sie trainieren wissenschaftliches Schreiben und lernen, sachbezogen und kritisch über wissenschaftliche Ansätze zu diskutieren.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Finanzwissenschaftliches Forschungsseminar (Seminar) <i>Inhalte:</i> Es werden neuere Artikel und noch unveröffentlichte Arbeitspapiere mit empirischen und theoretischen Fragestellungen aus der Finanzwissenschaft besprochen. Die Themen der Hausarbeiten können unter anderem Fragen der Steuerlehre, der Bildungsökonomik oder verwandter Themenbereiche behandeln. Beispiele für Themen aus vergangenen Semestern sind: • Wer trägt die Gewinnsteuer? • Harmonisierung und/oder Zentralisierung der Körperschaftsteuer in der EU • Effekte von Mentorenprogrammen auf Studienleistungen und Studienabbrüche • Gegenwartsverzerrung, Zeitinkonsistenz und Ersparnis: Muss der Staat eingreifen?		2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) und Präsentation (ca. 20 Minuten) Prüfungsvorleistungen: Regelmäßige und aktive Teilnahme am Seminar		6 C
Prüfungsanforderungen: Die Hausarbeit soll zeigen, dass der/die Studierende die behandelten Arbeiten verstanden hat und in den Kontext der Literatur einordnen kann. Dabei muss erkennbar sein, dass der/die Studierende die Logik der zu Grunde liegenden Literatur nachvollzieht und einem Leser in strukturierter Form erklären kann. Die Präsentation soll zeigen, dass der/die Studierende ökonomische Forschungsergebnisse kurz und klar vorstellen kann. Er/sie muss im Stande sein, auf Diskussionsfragen kompetent und verständlich zu antworten.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache:	Modulverantwortliche[r]:	

Deutsch	Prof. Dr. Robert Schwager
Angebotshäufigkeit: jährlich	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0040: Empirical Trade Issues	6 C 3 WLH
Learning outcome, core skills: • This course is intended to cast light on present-day controversies in international trade through assessment of the latest empirical analysis of a number of important topics of international trade research, • the main aim is to improve students' ability to evaluate and to undertake empirical research in international trade. All readers are expected to have completed graduate courses in microeconomics and econometrics, • the course is organized along five empirical questions: 1. What do countries trade? 2. Why has trade increased so much? 3. Why do we still trade so little? 4. Did globalization contribute to the rise in inequality? 5. Does trade increase productivity? • we will learn the necessary modeling tools and empirical instruments that help answer these questions, • the course is also concerned with the <i>application</i> of econometric methods to assess trade policies and its economic effects. The computer software package STATA will be used for practical work. Previous knowledge of intermediate econometrics is required.	Workload: Attendance time: 42 h Self-study time: 138 h
Course: Empirical Trade Issues (Lecture) <i>Contents:</i> <i>Comparative Advantage, Trade Flows and Trade Policies</i> 1. Quantifying trade flows 1.1 Openness: measurement issues 1.2 Trade composition: At the sectoral and geographical level 1.3 Analysing trade flows, comparative advantage and terms of trade 1.4 Analysing regional trade: Trade intensity and trade complementarity 1.5 Main trade databases 2. Trade Policies 2.1 Tariffs under WTO 2.2 Import tariffs: Measurement issues and data 2.3 Non tariff barriers: Price gaps and coverage ratios 2.4 Trade policies and practices 3. The distributional Effects of Trade Policies 3.1 Transmission of tariff changes 3.2 Linking trade policy to household welfare	2 WLH

3.3 Combining survey data and trade policy data 3.4 Empirical applications <i>Testing New and New-New Trade Theories</i> 4. The gravity model of trade 4.1 The gravity equation: Theoretical foundations 4.2 Estimation methods 4.3 Advanced gravity modelling issues 4.4 Empirical applications 5. Heterogeneous firms and trade 5.1 Trade and Firm's Productivity 5.2 Stylized Empirical Facts 5.3 The Melitz Model. Key Implications 5.4 Empirical Applications: Testing the Predictions <i>Globalization, Regional Integration and its effects</i> 6. Trade and Regional Integration 6.1 Regional versus Multilateral Trade Liberalization 6.2 Economic Effects of Regionalism 6.3 Evidence on the Trade Effects of Regional Agreements 6.4 Impact of Trade Preferences	
Course: Empirical Trade Issues (Tutorial) <i>Contents:</i> The computer software package STATA will be used for practical work to learn how to apply it to perform trade policy analysis.	1 WLH
Examination: Term Paper (max. 10 pages, based on the tutorial) Examination requirements: Students are required to write a term paper based on an empirical application using Stata.	2 C
Examination: Written examination (90 minutes)	4 C
Examination requirements: • Show a deep knowledge of the trade theories, policies and empirical trade models covered in the course, • show ability to explain the implications of trade theories and whether they apply to the world economy, • understanding of the economic logic behind trade policies and its economic effects, • being able to interpret tables of empirical results available in published economic research.	
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I

	and International Economics
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0041: Panel Data Econometrics	6 C 4 WLH
Learning outcome, core skills: This course aims to study panel data econometric techniques in an intuitive and practical way and to provide students the skills and understanding to read and evaluate empirical literature and to carry out empirical research. The course is concerned with the application of econometric panel-data methods, including basic linear unobserved effects panel data models with exogenous and endogenous regressors; random effects and fixed effects methods for static and dynamic models and panel data methods for binary dependent variables. Students learn basic econometric terminology and estimation and test principles for efficient inference with panel data and the potential of panel data to deal with estimation biases related to unobserved heterogeneity in individual characteristics. Students read and understand project reports and journal articles that use the methods introduced in the course and to make use of the course content in their academic work, namely, in analyses that are part of their master's or PhD thesis.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Panel Data Econometrics (Lecture) <i>Contents:</i> <i>Linear Panel Data Models</i> 1. Static Linear Panel Data Models 1.1 Introduction to Panel Data 1.2 Assumptions 1.3 Estimation and Testing 1.3.1 Pooled OLS 1.3.2 Random Effects Estimation 1.3.3 Fixed Effects Estimation. Testing for Serial Correlation 1.3.4 First-Differencing Estimation 1.4. Comparison of Estimators and Testing the Assumptions 1.5 Correlated Random Effects (CRE) or Mundlak's Approach 2. Endogeneity and Dynamics in Linear Panel Data Models 2.1. Equivalence Between GMM 3SLS and Standard Estimators 2.2 Chamberlain's Approach to UE Models 2.3. RE and FE Instrumental Variables Methods 2.4. Hausman and Taylor Models 2.5. First Differencing and IV 2.6. Dynamic Panel Data Models. Estimation under Sequential Exogeneity 3. Special Topics	2 WLH

3.1 Heterogeneous Panels 3.2 Random Trend Models 3.3 General Models with Specific Slopes 3.4 Robustness of Standard Fixed Effects Estimators 3.5 Testing for Correlated Random Slopes <i>Non-linear Panel Data Models</i> 4. Panel Data Models for Discrete Variables 4.1 Introduction. Binary Response Panel Data Models with Strictly Exogenous Variables 4.2 Linear Probability Model 4.3 Fixed versus Random Effects 4.4 Other issues: Endogenous explanatory variables/Selection Bias The course is organized as a series of lectures complemented with tutorials.	
Course: Panel Data Econometrics (Tutorial) <i>Contents:</i> The computer software package STATA will be used for practical work.	2 WLH
Examination: Term Paper (max. 10 pages, based on the tutorial)	2 C
Examination: Written examination (120 minutes)	4 C
Examination requirements: After taking the course, students should be able to: • formulate static and dynamic econometric models for panel data on the basis of economic theories, recognise the reasons why panel data is a richer data framework than pure cross-section or pure time-series data, • translate models for cross-section and for time-series into panel data models, • use the computer software package STATA to estimate panel data models, • estimate parameter in panel data models using real datasets and test hypotheses by using STATA, • interpret and evaluate the results of empirical estimations of economic models, which is an important feature of the study and application of economics.	
Admission requirements: none	Recommended previous knowledge: Previous knowledge of intermediate econometrics is required.
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4

Maximum number of students:	
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30	
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Georg-August-Universität Göttingen Module M.WIWI-VWL.0042: European Economy	6 C 4 WLH
Learning outcome, core skills: The key learning objectives are: • students should understand the extent of economic integration in the EU and the basics of EU law and its basic institutional structure and economic facts about European nations. Students should also learn the broad outline of the EU budget on the receipts and expenditure side and the basic content and the structure and problems with the Constitutional Treaty and the subsequent Treaty of reform, • acquire knowledge of the standard open-economic supply and demand diagrams and how they can be used to analyze the positive and normative impact of tariffs. Students should also learn about the various types of trade barriers that can constrain trade, • learn to apply open-economy supply and demand analysis to a three country setting with the aim of illustrating the main positive and normative effects of preferential liberalization on aspects of European integration. Students should also learn about the differences between customs unions and free trade areas and about WTO disciplines and about the nature of empirical studies into the effects of EU market integration, • learn the economics behind the notion that integrating European markets can improve economic efficiency by giving European firms better access to a wider market. As part of this, students learn about market interactions in the presence of imperfect competition and increasing returns, • learn the economic logic that explains how integrating European markets can increase income growth rates in the medium term and in the long term and the specific features of Europe's labour markets and key labour economics principles. Students should also learn about the sources of unemployment and the microeconomics of labour market integration and the conflict between efficiency and social imperatives, as well as understand the impact of economic integration and migration on labour markets, • learn about the CAP, which is by far the most important policy in terms of the budget and it is one of the most important in terms of EU politics. Students should also learn about recent reforms to the CAP based on de-coupling, • learn about the very uneven distribution of economic activity in Europe and about the economics that helps account for this result as well as using the suitable framework for understanding how deeper integration affects the distribution. Also learn about EU regional policy, essentially designed to prevent geographic concentration or to ameliorate its effects on people living in rural areas, • acquire Knowledge of the basic facts of the EU's trade pattern both in terms of partners and commodity composition and become familiar with the basic institutions of EU trade policy making and acquire a basic understanding of the EU's external trade policy.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: European Economy (Lecture)	2 WLH

Contents:

The course is organized as a series of lectures complemented with tutorials and student presentations of selected topics.

Introduction

1. The European Integration Process in the World Economy

- 1.1 History
- 1.2 Facts, Institutions and Laws
- 1.3 The Budget
- 1.4 The Constitutional Treaty

Microeconomics of European Integration

2. Economic Effects of Forming a Customs Union I: Static Effects

- 2.1 Microeconomic Tools
- 2.2 Static Effects: Trade Creation and Trade Diversion
- 2.3 WTO Rules
- 2.4 Evaluation of the Static Effects

3. Economic Effects of Forming a Customs Union II: Market size and Scale Effects

- 3.1 Dynamic Effects
- 3.2 Market Structure and Scale Effects
- 3.3 Evaluation of the Dynamic Effects

4. The Single Market Process: Growth Effects

- 4.1 Economic Impact of the Single Market: Growth Effects
- 4.2 Free Factor Movement inside the Internal Market: Labour Markets and Migration
- 4.3 Effects of Integration

EU Selected Policies

5. EU Environmental Policy

- 5.1 History of the Policy Strategies
- 5.2 Objectives, Targets and Timetables
- 5.3 The "new" Environmental Policy of the EU
- 5.4 Role of Product Standards

6. Innovation Patterns and the EU Regional Policy

- 6.1 The Facts
- 6.2 Innovation Patterns
- 6.3 EU Regional Policies
- 6.4 Empirical Evidence

7. Trade Policy

7.1 Basic Trade Policy Analysis 7.2 Economics of Preferential Liberalization 7.3 Market Size and Scale Economies A key starting point is the official site: http://www.europa.eu.int .	
Course: European Economy (Tutorial) <i>Contents:</i> Presentation and discussion of the term papers.	2 WLH
Examination: Term paper (max. 10 pages text) Examination prerequisites: Regular attendance, Presentation of the term paper	2 C
Examination: Written examination (90 minutes)	4 C
Examination requirements: • Show a deep knowledge of the European integration process, its history and evolution over time, • show ability to draw open-economic supply and demand diagrams and how they can be used to analyze the positive and normative impact of tariffs, • understanding of the economic logic that explains how integrating European markets can increase income growth rates in the medium term and in the long term, • show a profound knowledge of the European economic policies and its economic effects.	
Admission requirements: none	Recommended previous knowledge: Introductory macroeconomics and microeconomics
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: 30	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0046: Topics in European and Global Trade	6 C 2 WLH
Learning outcome, core skills: The key learning objectives are: • Students learn how to formulate research questions, • They will be able to provide a critical assessment of the theoretical studies/ arguments in the related field and to review the related empirical literature, • Students also learn how to apply the empirical methodology to evaluate the results obtained in the empirical literature, • They will be also able to provide some reasons why theory is confirmed or not with empirics and draw economic policy conclusions from the empirical results.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Topics in European and Global Trade (Seminar) <i>Contents:</i> Topic 1: Institutional Quality, Trade and Growth Topic 2: Aid for Trade, Foreign Aid and Trade Link Topic 3: Trade Facilitation Topic 4: Trade Agreements Topic 5: Trade and the Environment Topic 6: Technology Transfer and Trade Topic 7: Gender Inequality and Trade Topic 8: Trade, income per Capita and Inequality Topic 9: Trade and Transport Costs Topic 10: Trade and Exchange Rate Regimes Topic 11: Exchange Rate Volatility and Trade Topic 12: Financial Integration and Trade Topic 13: Trade and Conflicts Topic 14: The Extensive and the Intensive Margins of Trade Topic 15: Product Quality and Trade Topic 16: Trade and Migration Topic 17: Geographical Frictions Topic 18: Value Added Trade and International Production Chains Topic 19: Common Currency Effects on Trade Topic 20: Trade and Uncertainty	2 WLH
Examination: Term paper (max. 15 pages text) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance.	6 C

Examination requirements: • Written paper: Students are expected to develop a research question, to summarize key findings from theoretical and empirical research in relation to it and to critically assess and compare methods and models in relation to the main results found in the related literature. • Oral Presentation: Ability to present and explain with clarity economic theories and empirical methods and describe tables of results with a deep understanding of the research question addressed in the written paper.	
Admission requirements: none	Recommended previous knowledge: Empirical Trade Issues or International Trade and Econometrics I
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0054: Behavioral Game Theory	6 C 4 WLH
Learning outcome, core skills: At the end of this course, students will have a clear understanding of: • the methodology of experimental economics, • the range of questions that can be analyzed in economic experiments, • various experimental paradigms and related stylized facts, • the practical issues involved in the design and running of economic experiments, • how to analyze data generated from economic experiments, • how to write a project proposal.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Behavioral Game Theory (Lecture) <i>Contents:</i> The course will start with an introduction into the methodology of experimental economics, illustrated by a varied range of economic experiments that were designed to explore individual and group behavior in economic games. The introduction will also cover the elicitation of economic preferences as well as basic statistical techniques for the analysis of experimental data. In the second part of the course, participants will work in groups: they identify a topic for further experimental investigation, develop a full-fledged experimental design to explore and understand this topic, and present it orally in class. Potentially, a pilot study might be carried out.	2 WLH
Course: Behavioral Game Theory (Exercise) <i>Contents:</i> In the first part, exercises will consist in taking part in and/or reading seminal papers on various economic experiments. These experiments will be chosen to introduce the students into a small number of specific topics to be focused on in each semester. For each experiment, participants will critically discuss fundamental aspects, potential shortcomings as well as conceivable further applications of its specific design and how its results relate to those of similar experiments to be found in the literature. In the second part, participants will be accompanied in the elaboration of an experimental research question and the design of an experiment, including the derivation of hypotheses to be tested and the statistical approach.	2 WLH
Examination: Individual essay based on group work (Group work 2-5 people, max 15 pages) Examination prerequisites: Written examination (90 minutes, after first part)	6 C
Examination requirements: Written examination Demonstrate knowledge of: • the basic experimental paradigms discussed in the course,	

- the mathematical methods for analyzing individual decisions and social interaction in those paradigms,
- and related stylized behavioral economics results.

Essay

Describe:

- motivation and goal of the research project,
- related literature,
- precise research question and the specific experimental design, how it relates to existing experiments, theoretical considerations and derivation of testable hypotheses,
- experiment instructions.

Admission requirements: none	Recommended previous knowledge: none
Language: English	Person responsible for module: Prof. Dr. Claudia Keser
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Georg-August-Universität Göttingen Module M.WIWI-VWL.0055: Globalization and Development	6 C 2 WLH
Learning outcome, core skills: After successful completion of the course students will be able to: • understand how globalization can contribute to economic development in developing economies and which risks it entails, • understand not only the growth effects of trade and trade liberalization, but also on inequality, and poverty in developing countries, • understand the analytical – both theoretical and empirical – tools and models to assess the transmission channels of globalization, • critically evaluate the potential development impacts of policies related to globalization, in particular trade and investment policies.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Globalization and Development (Seminar) <i>Contents:</i> The following list of issues and questions are exemplary of issues and questions covered by the seminar. This list is subject to change, as new aspects of globalization become relevant: • Defining and measuring globalization • Does trade lead to higher growth? • Capital account liberalization, financial globalization and development • Competing concepts of inequality in the Globalization Debate • Does globalization make the poor poorer and the rich richer? Inequality trends within developing countries • The links between trade liberalization and poverty • Do agricultural subsidies in rich countries really hurt the poor? • Agricultural high value products: Pathway out of poverty? • Manufacturing in poor countries: Yet another form of exploitation? • Rising food prices and the poor • Land grab or beneficial investment? Large-scale agricultural investments in developing countries • Migration, trade and development • Globalization, Patents, and health	2 WLH
Examination: Presentation (approx. 15 minutes) with written elaboration (max. 20 pages) Examination prerequisites: Regular attendance	6 C
Examination requirements: In the paper, students demonstrate their ability to critically review academic studies on a particular topic, show their ability to synthesize the results and develop a clear argument backed by the evidence in the literature. They also demonstrate their ability to judge the quality and relevance of research on the topic, structure the theoretical and empirical insights from the literature, and, accordingly, write an own scientific paper	

that comprises policy implications. In the presentation, they demonstrate their ability to present key insights from complex theoretical and empirical papers, and to present and defend their own argument on the chosen topic/question.

Admission requirements: none	Recommended previous knowledge: Basic knowledge in macroeconomics, microeconomics and economic growth and development
Language: English	Person responsible for module: apl. Prof. Dr. Jann Lay
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0063: Sustainable Development, Trade and the Environment	6 C 2 WLH
Learning outcome, core skills: The key learning objectives are: • linking sustainable development with trade, • writing a scientific paper about the linkages between international trade, environment and development, • reading and understanding state of the art literature in the field, • discussing and scrutinizing methodology and results, • presenting the own work in a scientific manner.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Sustainable Development, Trade and the Environment (Seminar) <i>Contents:</i> Block I - Environment and development Topic 1. Human development and sustainability Topic 2. The Sustainable Development Goals Topic 3. Environmental degradation and economic development Topic 4. Climate finance, aid for mitigation and adaptation Topic 5. The economics of climate change Topic 6. Green growth in developing countries Topic 7. Sharing Economy and the environment Block II - Environment and trade Topic 8. Environment and international trade Topic 9. Trade liberalization and pollution havens Topic 10. Trade agreements and environmental agreements Topic 11. Trade liberalization in Environmental Goods Block III - Environmental policies and regulation Topic 12. National and regional policies to protect the environment and their effectiveness Topic 13. The Kyoto Protocol and its mechanisms Topic 14. Climate negotiations: The Copenhagen and the Paris agreements Topic 15. Climate change controls and trade policy Topic 16. International trade in waste Topic 17. Migration and climate change Topic 18. The Porter hypothesis: Environmental regulations, innovation and productivity Topic 19. Local pollutants, national environmental regulations and its effects on air quality	2 WLH

Topic 20. Health effects of air pollution in developing countries		
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Regular active attendance.		6 C
Examination requirements: • Written paper: Students are expected to develop a research question, to summarize key findings from theoretical and empirical research in relation to it and to critically assess and compare methods and models in relation to the main results found in the related literature, • oral Presentation: Ability to present and explain with clarity economic theories and empirical methods and describe tables of results with a deep understanding of the research question addressed in the written paper.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I and International Economics	
Language: English	Person responsible for module: Prof. Dr. Inmaculada Martinez-Zarzoso	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0065: Economics of Crime		6 C 4 WLH
Learning outcome, core skills: Students will learn the theoretical and empirical framework necessary to understand the drivers of criminal participation and evaluate policies to deal with it. Students will acquire the knowledge to understand how non-monetary factors affect human behavior. Students will have the opportunity to develop a case study where they can apply the knowledge acquire in the course to analyze different dimension of crime.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Economics of Crime (Seminar) This course presents a behavioral perspective to the economic model of crime. We discuss how different disciplines have understood criminal participation and consider how to model empirically the decision to engage into crime.		4 WLH
Examination: Term paper (max. 15 pages text) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance		6 C
Examination requirements: The term paper should be written on a topic related with economics of crime. Students should be able to present a theoretical model to conceptualize the problem they want to investigate, derive an extension of an existing model and make predictions on how economic and non-economic factors affect behavior. Students should be able to understand the empirical limitations and problems on the empirical estimation of the model of crime and be able to discuss how limitations could be addressed.		
Admission requirements: none	Recommended previous knowledge: Microeconomics, Macroeconomics, Statistics, Econometrics	
Language: English	Person responsible for module: Prof. Dr. Marcela Ibanez Diaz	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0071: Seminar Experimental Economics <i>English title: Seminar Experimental Economics</i>		6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • kennen die je nach Semester ausgewählten Anwendungsgebiete der experimentellen Wirtschaftsforschung, • kennen verschiedene Studien in diesem Bereich und können diese verstehen, kritisch diskutieren und einordnen, • kennen die dazugehörigen grundlegenden spieltheoretischen Lösungskonzepte, • kennen die Methoden mit denen die Daten für die Untersuchungen gesammelt werden, • kennen die Grundlagen der angewendeten statistischen Auswertungsverfahren, • können Möglichkeiten und Grenzen unterschiedlicher Forschungsansätze beurteilen und können Methode und Ergebnisse einer Untersuchung schriftlich darstellen.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Seminar Experimental Economics (Seminar) <i>Inhalte:</i> In dieser Veranstaltung werden je nach Semester spezielle Themengebiete der experimentellen Wirtschaftsforschung behandelt. In der Vergangenheit wurden u.a. folgende Themen angeboten: • Experimental Analysis of Social Preferences • Behavioral Decision Making • Experimentelle Steuerlehre		2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (ca. 25 Minuten) Prüfungsvorleistungen: Regelmäßige und aktive Teilnahme am Seminar.		6 C
Prüfungsanforderungen: Eigenständige Literaturrecherche und Auseinandersetzung mit Methoden der experimentellen Wirtschaftsforschung. Klare schriftliche Darstellung der Forschungsfragen relevanter Literatur, theoretischen Zusammenhänge und Lösungen und der experimentellen Ergebnisse einschließlich deren Diskussion. Ggf. Ausarbeitung eines Untersuchungsdesigns für die Bearbeitung der/neuer Forschungsfrage(n).		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Gute Kenntnisse im Bereich Mikroökonomik sowie Grundkenntnisse in den Bereichen Spieltheorie und Institutionenökonomik werden vorausgesetzt	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Claudia Keser	
Angebotshäufigkeit:	Dauer:	

unregelmäßig	1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 15	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0075: Ausgewählte Fragestellungen der Volkswirtschaftslehre I <i>English title: Selected Problems in Economics I</i>		6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Volkswirtschaftslehre im Fachgebiet Development Economics. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Development Economics, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Ausgewählte Probleme der Volkswirtschaftslehre I (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten volkswirtschaftlichen Themas aus dem Bereich Development Economics anhand einer aktuellen Fragestellung.		2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.		6 C
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Development Economics bezogen auf die jeweilige aktuelle Fragestellung, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Development Economics in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	

Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	
Bemerkungen: Maximale Studierendenzahl bei Seminaren i.d.R. 24 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden. Keine Teilnehmerbeschränkung bei Vorlesungen. Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0076: Ausgewählte Fragestellungen der Volkswirtschaftslehre II <i>English title: Selected Problems in Economics II</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Volkswirtschaftslehre im Fachgebiet International Trade and Production. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich International Trade and Production, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Ausgewählte Fragestellungen der Volkswirtschaftslehre II (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten volkswirtschaftlichen Themas aus dem Bereich International Trade and Production anhand einer aktuellen Fragestellung.	2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.	
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich International Trade and Production bezogen auf die jeweilige aktuelle Fragestellung, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich International Trade and Production in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.	
Zugangsvoraussetzungen:	Empfohlene Vorkenntnisse:

keine	keine
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	

Bemerkungen:

Maximale Studierendenzahl bei Seminaren i.d.R. 24 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden.

Keine Teilnehmerbeschränkung bei Vorlesungen.

Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0077: Ausgewählte Fragestellungen der Volkswirtschaftslehre III <i>English title: Selected Problems in Economics III</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Volkswirtschaftslehre im Fachgebiet Behavioral and Institutional Economics. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Behavioral and Institutional Economics, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Ausgewählte Probleme der Volkswirtschaftslehre III (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten volkswirtschaftlichen Themas aus dem Bereich Behavioral and Institutional Economics anhand einer aktuellen Fragestellung.	2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.	
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Behavioral and Institutional Economics bezogen auf die jeweilige aktuelle Fragestellung, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Behavioral and Institutional Economics in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.	
Zugangsvoraussetzungen:	Empfohlene Vorkenntnisse:

keine	keine
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	

Bemerkungen:

Maximale Studierendenzahl bei Seminaren i.d.R. 24 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden.

Keine Teilnehmerbeschränkung bei Vorlesungen:

Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0078: Ausgewählte Fragestellungen der Volkswirtschaftslehre IV <i>English title: Selected Problems in Economics IV</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Volkswirtschaftslehre im Fachgebiet Quantitative Methods of Economic Analysis. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Quantitative Methods of Economic Analysis, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Ausgewählte Fragestellungen der Volkswirtschaftslehre IV (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten volkswirtschaftlichen Themas aus dem Bereich Quantitative Methods of Economic Analysis anhand einer aktuellen Fragestellung.	2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.	
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Quantitative Methods of Economic Analysis bezogen auf die jeweilige aktuelle Fragestellung, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Quantitative Methods of Economic Analysis in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.	
Zugangsvoraussetzungen:	Empfohlene Vorkenntnisse:

keine	keine
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	

Bemerkungen:

Maximale Studierendenzahl bei Seminaren i.d.R. 24 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden.

Keine Teilnehmerbeschränkung bei Vorlesungen.

Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0079: Ausgewählte Fragestellungen der Volkswirtschaftslehre V <i>English title: Selected Problems in Economics V</i>		6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Volkswirtschaftslehre. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Volkswirtschaftslehre, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Ausgewählte Probleme der Volkswirtschaftslehre V (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten volkswirtschaftlichen Themas anhand einer aktuellen Fragestellung.		2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.		
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Volkswirtschaftslehre bezogen auf die jeweilige aktuelle Fragestellung, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Volkswirtschaftslehre in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache:	Modulverantwortliche[r]:	

Deutsch, Englisch	Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	
Bemerkungen: Maximale Studierendenzahl bei Seminaren i.d.R. 24 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden. Keine Teilnehmerbeschränkung bei Vorlesungen. Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0083: Economic Reform and Social Justice in India		6 C 3 WLH
Learning outcome, core skills: The course will equip students with an in-depth understanding of economic, social, and political challenges and reforms in contemporary India. Students will further be introduced to empirical methods for evaluating the impact of reforms and policies and will gain skills to critically appraise such empirical work. By the end of the course, students will be able to: • give an overview of reform policies in India and their impact on general development, politics, and the wider society, • give an overview of current empirical debates on these topics, • critically assess empirical work.		Workload: Attendance time: 42 h Self-study time: 138 h
Course: Economic Reform and Social Justice in India (Seminar) <i>Contents:</i> The course will introduce students to economic, social, and political aspects of contemporary India. Policies and reforms in each of these domains are presented and assessed. For this purpose, influential empirical analyses are discussed and critically appraised. The course will cover the following topics with a focus on India: • Economic Development, • Politics and Corruption, • Education, • Health and Nutrition, • Markets and Productivity, • Finance, • Gender.		2 WLH
Course: Economic Reform and Social Justice in India (Exercise) <i>Contents:</i> In tutorials, students will learn to replicate selected empirical papers, revise research designs and statistical methods in more depth and practice their scientific writing.		1 WLH
Examination: Portfolio (max. 15 pages)		3 C
Examination: Oral Presentation (approx. 60 minutes)		3 C
Examination requirements: • Familiarity with major economic policy debates in India, • demonstrate an ability to link the practice with economic theory, • ability to reflect on various policy actions and their implications.		
Admission requirements: none	Recommended previous knowledge: none	
Language:	Person responsible for module:	

English	Prof. Dr. Sebastian Vollmer
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4
Maximum number of students: 18	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0086: Macroeconomics of Open Economies		6 C 4 WLH
Learning outcome, core skills: After a successful participation, students have a deep understanding of core concepts in international macroeconomics including current account determination, international capital flows, global imbalances, exchange rate determination, and sovereign debt. They familiarize themselves with the standard two-period dynamic model of international macro and apply it to understand phenomena like twin deficits, aggregate demand shocks, sudden stops, and the European balance of payment crisis. Students learn to critically assess the pros and cons of fix and flexible exchange rates, and the effects of capital account liberalization on economic development.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Macroeconomics of Open Economies (Lecture) <i>Contents:</i> • The Balance of Payments • Current Account Determination • External Adjustment in Small and Large Economies • Twin Deficits: Fiscal and Current Account Imbalances • Sovereign Debt • International Capital Market Integration • Financial Development and Global Imbalances • Capital Account Liberalization and Growth • Determinants of the Real Exchange Rate • Aggregate Demand Shocks and Real Exchange Rates • Exchange Rate Policy and Unemployment • The European Balance of Payments Crisis • Monetary Policy and Exchange Rate Determination		2 WLH
Course: Macroeconomics of Open Economies (Tutorial) <i>Contents:</i> In the accompanying tutorials, students should discuss and solve problem sets to deepen and broaden their knowledge of the topics covered in the lectures		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: Demonstrate: • a profound knowledge of the two-period dynamic general equilibrium model and the ability to apply it to different problems in international macro • a deep understanding of the mechanisms behind current account imbalances, exchange rate movements, and sovereign debt • the ability to solve problems in a verbal, graphical and analytical manner		
Admission requirements: none	Recommended previous knowledge: Macroeconomics, Mathematics for Economists, Econometrics as taught in the Bachelor courses	

Language: English	Person responsible for module: Prof. Dr. Holger Strulik
Course frequency: once a year	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0092: International Trade	6 C 4 WLH
Learning outcome, core skills: After a successful completion of the course students have achieved following competences: • give an overview of the core theoretical concepts explaining international trade patterns by means of various sources of trade flows like different technologies or factor endowments, • understand and apply the concepts of comparative and absolute advantage, • analyze the effects of international trade on the trading partners with respect to (i) their production and overall welfare, (ii) the reallocation of resources in the production process, (iii) the change in factor prices, • evaluate and critically reflect the gains and losses of international trade, • evaluate the consequences of different trade policies like tariffs and subsidies.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: International Trade (Lecture) <i>Contents:</i> <i>The Ricardian model</i> Mathematical and graphical analysis of the trade equilibrium in a neoclassical model explaining inter-industry trade with one production factor and (i) two goods, as well as (ii) a continuum of goods. Analysis of the trade effects on production and consumption, wages and overall welfare gains from trade. <i>The Heckscher-Ohlin model</i> Mathematical and graphical analysis of the trade equilibrium in a neoclassical model with two production factors. Analysis of trade effects on production and consumption, factor prices, and of distributional effects as implied by the Stolper-Samuelson Theorem. Analysis of the effects of changes in resource endowments as implied by the Rybczynski Theorem. Empirical test of the Heckscher-Ohlin model. Generalization of the Heckscher-Ohlin model to many production factors and goods by means of the Heckscher-Ohlin-Vanek model. Empirical test of Heckscher-Ohlin-Vanek model. Derivation of the specific-factors model with more production factors than goods and analysis of changes in goods prices and factor endowments. <i>Imperfect competition in international trade</i> Mathematical and graphical analysis of the Krugman model with increasing returns to scale and monopolistic competition as an explanation of intra-industry trade. Non-formal extensions of the Krugman model with (i) consumer CES preferences and (ii) heterogeneous technologies across firms, and the Melitz model. Formal derivation of the empirical Gravity equation based on the endowment model and on the monopolistic competition model. <i>Trade policy under perfect competition</i> Graphical analysis of the introduction of tariffs and quotas to the trade equilibrium under perfect competition on economic welfare. Analysis of partial and general equilibrium effects.	2 WLH

<i>Trade policy under imperfect competition</i> Graphical analysis of the introduction of tariffs and quotas to the trade equilibrium under monopolistic market power on economic welfare. Formal derivation of the median voter model to analyze political decisions on the usage of trade policies.		
Course: International Trade (Exercise) <i>Contents:</i> In the accompanying practice session students deepen and broaden their knowledge from the lectures.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstrate a profound knowledge of the core theoretical concepts in international trade, • show the ability to analyze the welfare and distributional effects of international trade by means of graphical and mathematical tools, • show the ability to analyze the effects of trade policies, • students should be able to assess the theoretical models with respect to empirical applications.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Udo Kreickemeier	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0095: International Political Economy		6 C 4 WLH
Learning outcome, core skills: After a successful participation, students have a deep understanding of the political mechanism at the country level and at the international level that lead to certain outcomes of international policy making. They familiarize themselves with models of public choice theory (on voting, lobbying, alliance formation) and apply them to international problems. Students learn to understand the logic of trade wars, trade negotiations, and customs areas and their implications for economic welfare. They learn to critically assess the pros and cons of globalization and to identify its impact on different groups in society.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: International Political Economy (Lecture) <i>Contents:</i> • Direct and Representative Democracy • Voting in International Organizations • Lobbying • Collective Action • Economics of Alliances • Trade Wars • Trade Negotiations • GATT and WTO • Custom Unions • Free Trade Areas and the EU • Protection for Sale • Globalization		2 WLH
Course: International Political Economy (Tutorial) <i>Contents:</i> In the accompanying tutorials, students should discuss and solve problem sets to deepen and broaden their knowledge of the topics covered in the lectures.		2 WLH
Examination: Oral exam (ca. 20 minutes) or written examination (90 minutes)		6 C
Examination requirements: Demonstrate: • a profound knowledge of the tools of public choice and game theory to understand international policy outcomes • a deep understanding of the political mechanisms of international policy making • the ability to solve problems in a verbal, graphical and analytical manner		
Admission requirements: none	Recommended previous knowledge: Mathematics for Economists as taught in the Bachelor courses M.WIWI-VWL.0092 International Trade	
Language:	Person responsible for module:	

English	Prof. Dr. Holger Strulik
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0096: Essentials of Global Health	6 C 3 WLH
Learning outcome, core skills: The goal of this course is to provide students with a comprehensive understanding of global health. By the end of the course, students will be able to: • explain main concepts of global health, • describe linkages between health and economic development, • describe determinants of health, • describe different components of health systems, • demonstrate familiarity with the concept of burden of disease and risk factors and how health status is measured, • describe key measures to address the burden of disease in cost-effective ways, • read, discuss and present recent scientific literature in the global health field, • write a clear and concise policy brief tailored to a specific audience.	Workload: Attendance time: 42 h Self-study time: 138 h
Course: Essentials of Global Health (Seminar) <i>Contents:</i> The course will introduce students to the main concepts of the public health field and critical links between global health and economic development. Students will get an overview of the determinants of health and learn how health status is measured. The course will be global in coverage, but with a focus on low- and middle-income countries and on the health of the poor. The course will cover: • Global health concepts • Linkages between health and development • Global burden of disease, measurement and global trends • Determinants of health and social network effects • Health disparities • Health systems • Global health efforts • Health behaviour in developing countries	2 WLH
Course: Essentials of Global Health (Exercise) <i>Contents:</i> Practical exercises related to the topics discussed in the seminar give students the opportunity to deepen and enhance their understanding of the seminar's content.	1 WLH
Examination: Portfolio* (max. 15 pages) Examination requirements: In their portfolio, students should demonstrate their familiarity with key concepts and topics discussed in the lecture as well as an ability to critically discuss these topics by completing various assignments related to particular seminar contents. In addition, students will be expected to have read the background literature mentioned in the course.	3 C
Examination: Oral Presentation (approx. 60 minutes)	3 C

Examination requirements:

Students will present current research articles in global health and demonstrate an understanding of the main concepts of global health and their linkages with economic development. Students will be further required to demonstrate skills to critically discuss scientific articles.

Admission requirements:

none

Recommended previous knowledge:

Basics in microeconomics and macroeconomics, understanding of econometrics, ability to read scientific articles

Language:

English

Person responsible for module:

Prof. Dr. Sebastian Vollmer

Course frequency:

each summer semester

Duration:

1 semester[s]

Number of repeat examinations permitted:

twice

Recommended semester:

3 - 4

Maximum number of students:

18

Additional notes and regulations:

* A portfolio is a collection of the following assignments related to particular seminar contents: summaries of a text, response papers, reading reports and comments on presentations (max. 15 pages).

Georg-August-Universität Göttingen Module M.WIWI-VWL.0099: Poverty & Inequality		6 C 3 WLH
Learning outcome, core skills: The goal of this course is to provide students with a general understanding of poverty, inequality, and related economic issues. By the end of the course, students will be able to: • describe concepts of poverty and inequality, • describe drivers of poverty and inequality, • describe interlinkages between poverty, inequality, and socio-economic outcomes, • discuss development policy targeting poverty and inequality, • calculate measures of poverty and inequality.		Workload: Attendance time: 42 h Self-study time: 138 h
Course: Poverty & Inequality (Lecture) <i>Contents:</i> This course provides an in-depth analysis of inequality, poverty and related economic issues at the graduate level. The course covers • theories of justice, • methodological aspects of poverty and inequality measurement, • global aspects of poverty and inequality, • effects of inequality on socio-economic outcomes and growth, • gender inequalities, • health inequality, • inequality and poverty in rich countries, • development policy targeting poverty.		2 WLH
Course: Poverty & Inequality (Tutorial) <i>Contents:</i> The tutorial provides practical skills in poverty and inequality measurement. It includes lab sessions where poverty and inequality measures are calculated using statistical software (Stata).		1 WLH
Examination: Written examination (90 minutes) Examination requirements: Demonstrating skills related to the measurement of poverty and inequality. Demonstrating an understanding of the concepts, drivers and consequences of poverty and inequality and their interlinkages based on the most recent scientific literature.		4 C
Examination: Practical examination (max. 5 pages) Examination requirements: Application of theoretical concepts to measure poverty and inequality using real data from developing countries and statistical software (Stata).		2 C
Admission requirements: none		Recommended previous knowledge: none
Language:		Person responsible for module:

English	Prof. Dr. Sebastian Vollmer
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0101: Theory and Politics of International Taxation	6 C 4 WLH
Learning outcome, core skills: After successful completion of the course students will have the following competencies: • knowledge of the basic institutional rules governing the taxation of international income flows, • understanding how these rules affect the efficient international allocation of capital and savings, • knowledge of some instruments used by multinational corporations for shifting profits, and assess the policy measures proposed by the OECD and the EU to limit erosion of tax bases, • understanding the possibilities and limitations of intergovernmental co-ordination of tax policies, • participants will learn to explain the impact of international taxation on economic decisions verbally and graphically, • they will be able to analyze problems in international taxation by solving simple theoretical models, • they will learn how to discuss international co-ordination of tax policy from a scientific background.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Theory and Politics of International Taxation (Lecture) <i>Contents:</i> 1. Basics of international taxation Introduction into the principles of international taxation and the methods to avoid double taxation. Description of EU directives concerning taxation of cross-border income flows. 2. Worldwide efficiency of capital income taxation Analytical derivation of efficiency conditions for capital and savings (capital export and capital import neutrality) with reference to the methods to avoid double taxation. 3. Optimal taxes in a small open economy Analysis of capital income taxation in source and residence countries. Examination of other tax bases and empirical studies on taxation effects. 4. Profit shifting: Instruments Introduction into the basics of profit shifting by multinational corporations induced by international differences in taxation and analysis of transfer prices from the firm's and the state's perspective. Analysis of debt finance and intangible assets as means to shift profits. 5. Profit shifting: Evidence and policy Selected empirical results on profit shifting. Measures by the OECD and the EU to counter base erosion by profit shifting. 6. Cash-flow taxes Concept of cash flow vs. income tax. Impact of source based vs. destination based cash flow tax on profit shifting and trade.	2 WLH

7. Commodity taxation and the European Value Added Tax Definition of destination and origin principles. Allocative equivalence of both principles in general equilibrium. Basics of the EU VAT system. VAT fraud and the Commission's proposal for a definitive VAT system.	
Course: Theory and Politics of International Taxation (Exercise) <i>Contents:</i> The tutorial accompanies the lecture with exercises and revision.	2 WLH
Examination: Written examination (90 minutes)	6 C
Examination requirements: Participants are required to show their understanding of the principles of international taxation, the allocation and incidence effects of taxation of internationally mobile factors and goods under different international tax regimes, the causes and effects of tax motivated profit shifting as well as the co-ordination of tax policies in the European Union. To do this, they must be able to answer questions about institutional and empirical facts, solve simple microeconomic models and apply analytical results and economic reasoning to topical policy issues.	
Admission requirements: none	Recommended previous knowledge: Basic knowledge of theory of taxation and institutions of international taxation
Language: English	Person responsible for module: Prof. Dr. Robert Schwager
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0103: Seminar Theorie und Empirie der Besteuerung <i>English title: Seminar Theory and Empirics of Taxation</i>	6 C 2 SWS
Lernziele/Kompetenzen: Das Seminar führt an empirische und theoretische Forschungsmethodik und aktuelle Resultate in der finanzwissenschaftlichen Steuerlehre heran. Die Teilnehmenden sind in der Lage, Forschungsarbeiten zu lesen, methodisch zu durchdringen und richtig und verständlich darzustellen. Sie lernen, theoretische und empirische Resultate der finanzwissenschaftlichen Forschung in den Kontext der Literatur einzuordnen und kritisch zu hinterfragen. Sie sind in der Lage, steuerpolitische Probleme wissenschaftlich zu durchdringen und steuerwissenschaftliche Erkenntnisse auf aktuelle politische Entscheidungen anzuwenden. Teilnehmende üben ein, wissenschaftliche Ergebnisse anschaulich und verständlich zu präsentieren. Sie trainieren wissenschaftliches Schreiben und lernen, sachbezogen und kritisch über wissenschaftliche Ansätze und politische Positionen zu diskutieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Seminar Theorie und Empirie der Besteuerung (Seminar) <i>Inhalte:</i> Es werden neuere Artikel und noch unveröffentlichte Arbeitspapiere zu steuerlichen Themen besprochen. In dem Seminar werden unter anderem aktuelle steuerpolitische Fragen diskutiert, die Inzidenz einzelner Steuern sowie die Ausweichreaktionen in Bezug auf diese betrachtet, sowie internationale Aspekte der Besteuerung thematisiert. Beispiele für Themen aus vergangenen Semestern sind: • Inzidenz der Grundsteuer • Verhaltensreaktionen auf die Einkommensteuer • Verteilungswirkungen der kalten Progression • Erbschaftsteuer im internationalen Kontext	2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) und Präsentation (ca. 20 Minuten) Prüfungsvorleistungen: Regelmäßige und aktive Teilnahme am Seminar	6 C
Prüfungsanforderungen: Die Hausarbeit soll zeigen, dass der/die Studierende die behandelten Arbeiten verstanden hat und in den Kontext der Literatur und der aktuellen steuerpolitischen Diskussion einordnen kann. Dabei muss erkennbar sein, dass der/die Studierende die Logik der zu Grunde liegenden Literatur nachvollzieht und einem Leser in strukturierter Form erklären kann. Die Präsentation soll zeigen, dass der/die Studierende ökonomische Forschungsergebnisse kurz und klar vorstellen kann. Er/sie muss im Stande sein, auf Diskussionsfragen kompetent und verständlich zu antworten.	

Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Dr. Peter Schwarz
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0105: Controversies in Development Economics	6 C 2 WLH
Learning outcome, core skills: After successful completion of the course students will be able to: • understand some of the key analytical and topical controversies in development economics, • understand the analytical – both theoretical and empirical – tools and models that are applied in regard to these controversies, • critically assess the relevance and validity of these tools and models, • critically evaluate the potential development impacts of policies relevant in specific policy fields, • use these analytical foundations to develop a convincing written and spoken argument.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Controversies in Development Economics (Seminar) <i>Contents:</i> The seminar addresses controversial issues in development economics. Such issues may be more topical (for example: Investments in agriculture and land: Land grab or development opportunity?) or more analytical (for example: The role of the state in economic development: Market-led development or interventionist models?). Based on the seminar papers, which will take a balanced stance toward a specific controversy, students will prepare a presentation that assumes a one-sided position during the seminar. Moderated discussions between two positions will be preceded and followed by a vote of the entire group to assess how convincing the respective presenter has made his or her argument. The seminar topics are subject to change every term. Additional (potential) selected issues include, but are not limited to the following: • EU-ACP economic partnership agreements: (A) new modes of exploitation for (B) a genuine opportunity for export-led development? (KT) • the Marshall Plan with Africa: (A) finally a partnership at eye level or (B) another plan for Africa (and the desk drawer)? • fair trade: (A) fair deal or (B) just calming our bad conscience: is fair trade promoting development? • climate change mitigation and economic development: (A) trade-off or (B) win-win situation? • the sustainable development goals: (A) a great step towards a sustainability transformation or (B) just cheap talk and no action? • does aid do more harm than good? (A) yes or (B) no? • randomistas versus poor development economists: (A) RCTs as the gold standard of development economics or (B) misguided certainty? • the role of industrial policy in economic development: (A) comparative-advantage-conforming or (B) comparative-advantage-defying strategy? • how to achieve development: (A) small beautiful projects or (B) big development plans?	2 WLH

Examination: Presentation (approx. 30 minutes) with written elaboration (max. 10 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: In the paper, students demonstrate their ability to critically review academic studies on a particular topic, show their ability to synthesize the results and develop a clear argument backed by the evidence in the literature. They also demonstrate their ability to judge the quality and relevance of research on the topic, structure the theoretical and empirical insights from the literature, and, accordingly, write an own scientific paper that comprises policy implications. In the presentation, they demonstrate their ability to develop a coherent argument using key insights from their seminar papers. They are also able to discuss the topics with their fellow students.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in macroeconomics, microeconomics and growth and development	
Language: English	Person responsible for module: apl. Prof. Dr. Jann Lay	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0112: Financial Markets and the Macroeconomy		6 C 2 WLH
Learning outcome, core skills: Students acquire knowledge about the role of international financial markets for the macroeconomy. Further, students apply their statistical and econometric knowledge to relevant economic questions.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Financial Markets and the Macroeconomy (Seminar) <i>Contents:</i> The seminar focuses on the interdependences between financial markets and the macroeconomy. Motivated by the Great Recession, we discuss various channels through which financial markets may have an effect on real macroeconomic variables. Further, the international dimension of financial markets is highlighted, by discussing international transmission channels of financial shocks.		2 WLH
Examination: Presentation (approx. 20 minutes) with written elaboration (max. 15 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: Scientific paper and solid presentation skills		
Admission requirements: none	Recommended previous knowledge: Basic econometrics and knowledge of open economy macroeconomics	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	
Course frequency: every winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0113: Macroeconometrics		6 C 4 WLH
Learning outcome, core skills: Upon graduation, students acquire the following skills: • estimation and diagnosis of important econometric models in macroeconomics, basic non-linear models, extensions to more complex scenarios, • work with real-world data using the acquired programming skills in MATLAB, • verify the robustness of their results by applying statistical test procedures, • present and discuss the research results.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Macroeconometrics (Lecture) <i>Contents:</i> 1. How to forecast key macroeconomic indicators 2. Using Bayesian econometrics in macroeconomics 3. Modelling structural change 4. Measuring the business cycle 5. Common factors across countries in macroeconomic variables		2 WLH
Course: Macroeconometrics (Exercise) <i>Contents:</i> 1. In the accompanying practice sessions students deepen and broaden their knowledge from the lectures. 2. Students are introduced to statistical software MATLAB and solve programming exercises. 3. Empirical project: writing code to analyze real world data and present the results in class.		2 WLH
Examination: Project work (max.15 pages) or written examination (90 minutes) Examination prerequisites: Up to three submission homework items; length of up to five typewritten pages each (condition for admission to the examination is the achievement of 60% of the total number of attainable points) or group work (30 minutes presentation).		6 C
Examination requirements: • Demonstrate a profound knowledge of the core theoretical concepts in macroeconomics, • differentiate between various econometric models for macroeconomic data, • understand core concepts of state-space modeling, • be able to apply learned models and testing procedures to real world data.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I, M.WIWI-QMW.0009 Introduction to Time Series Analysis	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	

Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0117: Growth, Resources, and the Environment	6 C 4 WLH
Learning outcome, core skills: After a successful participation, students know how non-renewable resources affect long-run economic development. They learn to compute optimal intertemporal resource allocations and to critically assess actual resource use. Students learn how resource use affects the environment and which policy measures are suitable to mitigate environmental degradation. Students learn to understand the basic mechanism of global warming and to critically assess methods of evaluating the present value of future environmental damage and the implied policy recommendations. Students will be able to understand the interplay of renewable resources and economic growth and the importance of property rights in renewable resource use and they will be able to discuss the core mechanisms behind long-run sustainability and collapse.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Growth, Resources, and the Environment (Lecture) <i>Contents:</i> • The Limits to Growth (or not?) • A General Resource Constrained Model • A Theory of Resource Prices • Optimal Use of Non-renewable Resources and Suitability • Growth and the Environment: The Green Solow Model • The Economics of Global Warming • Accounting for Climate Change: The Stern Report and the Dice Model • (How) Shall We Discount the Future? • A Supply-Side Model of Global Warming and the Green Paradox • Depletion of Renewable Resources and the Tragedy of the Commons • Resource Abundance and Growth at the Country Level • Institutions and the Resource Curse • Resources, Kleptocracy, and Divide-and-Rule	2 WLH
Course: Growth, Resources, and the Environment (Tutorial) <i>Contents:</i> In the accompanying tutorials, students should discuss and solve problem sets to deepen and broaden their knowledge of the topics covered in the lectures.	2 WLH
Examination: Oral examination (ca. 20 minutes) or written examination (90 minutes)	6 C
Examination requirements: Demonstrate: • a profound knowledge of dynamic economic models of optimal non-renewable resource use and the ability to assess the long-run consequences of actual non-renewable resource use • a deep understanding of the mechanisms behind climate change and the debate on how policy should respond to it.	

• a profound knowledge of dynamic economic models of renewable resource use and the ability to assess the mechanisms behind long-run sustainability and collapse • the ability to solve problems in a verbal, graphical and analytical manner	
Admission requirements: none	Recommended previous knowledge: Macroeconomics, Mathematics for Economists, Economic Growth, Econometrics as taught in the Bachelor courses
Language: English	Person responsible for module: Prof. Dr. Holger Strulik
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0118: Seminar on the Global Business Cycle		6 C 2 WLH
Learning outcome, core skills: After successful completion of the course students have achieved following competences: • understand complex questions in empirical international macroeconomics independently and communicate their knowledge both in written form and verbally, • understand complex empirical econometric models that are used in the literature and explain how the models are used answer specific research questions, • participate actively in discussions with qualified contributions and comment on the contents of the other presentations.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar on the Global Business Cycle (Seminar) <i>Contents:</i> In this seminar students review the empirical literature in international macroeconomics with a particular focus on the international synchronization of business cycles and related questions.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance. Active in discussions.		6 C
Examination requirements: The students should be able to elaborate on a recent topic independently. This process involves literature research, scientific work and writing and the appropriate oral presentation of the written paper.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I M.WIWI-VWL.0086 Macroeconomics of Open Economies	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0122: Behavioral Development Economics		6 C 2 WLH
Learning outcome, core skills: Students will refresh concepts of microeconomic theory, understand why the assumption of neoclassical microeconomic models fails, learn alternative models that accommodate failures in rational decision making, and understand the importance of using behavioral economics to study poverty and development. Students should be able to formulate new research questions that consider behavioral aspects and have the instruments to conduct a field experiment.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Behavioral development economics (Lecture) <i>Contents:</i> The purpose of this course is to introduce the topic of behavioral and experimental economics. We discuss the shortcomings of neo-classical economic models to explain economic decisions and present alternative economic models that incorporate psychological factors. We present classical applications of behavioral economics to the problems of development and poverty.		2 WLH
Examination: Term Paper (max. 10 pages)		3 C
Examination: Oral Presentation (approx. 20 minutes)		2 C
Examination: Supplementary report (each participant writes a peer review on a proposal of another group) (max. 2 pages)		1 C
Examination requirements: The course is evaluated with a term paper. The objective of the paper is to present a public policy or business practice application of behavioral economics. The evaluation has three parts: 50% term paper (8-12 pages), 30% proposal of the term paper (2-3pages), each participant writes a 20% peer review on a proposal of another group (1-2 pages). Demonstrate the understanding of the main concepts and theories on behavioral economics. Ability to apply the theoretical concepts to propose policies that support sustainable development.		
Admission requirements: none		Recommended previous knowledge: Microeconomics, Econometrics
Language: English		Person responsible for module: Prof. Dr. Marcela Ibanez Diaz
Course frequency: each winter semester		Duration: 1 semester[s]
Number of repeat examinations permitted: twice		Recommended semester: 2 - 4

Georg-August-Universität Göttingen Module M.WIWI-VWL.0123: Recent Topics in Macroeconomics		6 C 2 WLH
Learning outcome, core skills: During the seminar students familiarize themselves with a macroeconomic topic from the recent literature. After a successful participation students are able to summarize the academic discussion of this topic in a short essay (max. 15 pages) and are able to critically discuss ongoing research of this topic and to present their work in class.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Recent Topics in Macroeconomics (Seminar) <i>Contents:</i> In the seminar a macroeconomic topic is investigated, which has recently attracted attention in academia and is subject to an ongoing academic debate. Further information on the current topic and the relevant literature is announced in the syllabus, which can be downloaded from the webpage of the Chair of Macroeconomics and Development: http://www.uni-goettingen.de/en/88544.html Past topics included Migrants and Refugees, The Chinese Economy, Cities and Development, The Past and Future of Work.		
Examination: Essay (max. 15 pages) with presentation (ca. 30 minutes) Examination prerequisites: Attendance and active participation in the seminar. Attendance at the introductory meetings.		6 C
Examination requirements: • The students demonstrate that they are able to summarize and explain one or two research papers, • the students demonstrate that they have the ability to critically discuss the results, • the students demonstrate that they manage to relate the paper(s) to research in that field and to the scientific debate in the literature.		
Admission requirements: none	Recommended previous knowledge: Mathematics, Econometrics, Macroeconomics	
Language: English	Person responsible for module: Prof. Dr. Holger Strulik Dr. Katharina Werner, Dr. Ana Abeliensky	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 15		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0124: Seminar in Financial Econometrics		6 C 2 WLH
Learning outcome, core skills: Upon graduation, students acquire the following skills: • differentiating between existing econometric techniques in the area of international finance and macroeconomics, • explaining how these models are used to answer specific research questions, • presenting the result of their research and argue about its validity (both in written form and orally), • participating in discussions with qualified contributions and comment on the contents of other presentations.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar in Financial Econometrics (Seminar) <i>Contents:</i> In this course students review academic literature in macroeconomics and finance with a specific focus on econometric modeling of core relationships and empirical testing of economic theory. Suggested topics for seminar term papers are dedicated to both statistical theory and relevant applications in macroeconomics and finance.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance. Active in discussions.		6 C
Examination requirements: • Ability to elaborate a topic independently and fully, including literature review, academic writing and an appropriate oral presentation, • research question is stated clearly at the beginning of the seminar paper and the contents are supporting a certain conclusion, which is addressed at the end of the paper.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I, M.WIWI-VWL.0113 Macroeconometrics	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0126: Nachhaltigkeitsökonomik <i>English title: Economics of Sustainability</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden sind in der Lage, aktuelle Umweltproblematiken aus einer umwelt- und ressourcenökonomischen Perspektive heraus zu betrachten. Dabei können sie die Problematiken sowohl unter formaler Betrachtung von sozialem, ökonomischem Verhalten, als auch durch empirische und wirtschaftswissenschaftliche Ansätze der Verhaltensökonomik erklären. Die Studierenden kennen die verschiedenen marktwirtschaftlichen und ordnungsrechtlichen Lösungen (Gebote, Verbote, Standards, Auflagen), die für Umweltproblematiken verwendet werden und können deren Effektivität und Effizienz unter Verwendung normativer Kriterien (wie soziale Wohlfahrt und Nachhaltigkeit) bewerten. Des Weiteren sind sie in der Lage nicht-marktfähige Effekte/ Güter anhand von Methoden zur Messung geäußerter und offenbarer Präferenzen zu bewerten.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Nachhaltigkeitsökonomik (Vorlesung) <i>Inhalte:</i> Die Vorlesung beginnt mit einer kurzen Darstellung der Einflussnahme menschlicher (ökonomischer) Aktivität auf seine natürliche Umgebung, sowohl in Bezug auf die Nutzung natürlicher Ressourcen als Input in die Produktion als auch als Schadstoffsenke. Weiterhin befasst sich die Vorlesung mit externen Effekten als eine Ursache für Marktversagen und Umweltverschmutzung. Sie führt die Studierenden an verschiedene marktwirtschaftliche und regulative Instrumente heran, die dem Marktversagen entgegenwirken und bewertet sie hinsichtlich ihrer Effektivität und Effizienz unter Verwendung normativer Kriterien (z. B. soziale Wohlfahrt). Ein besonderes Augenmerk wird dabei vor allem auf die Pigou-Steuer, Eigentumsrechte, den Handel mit Emissionsrechten sowie auf verschiedene ordnungsrechtlichen Lösungen (Gebote, Verbote, Standards, Auflagen) und die entsprechenden Überwachungsmaßnahmen gelegt. Beispielhaft wird dabei auf das EU-Emissionshandelssystem und das in den USA geltende „SO2 Allowance Trading System“, als sogenannte „Cap-and-Trade“ Instrumente sowie auf die deutsche Abwasserabgabe und die Lärmgebühr des Züricher Flughafens, eingegangen. Anschließend folgt eine Diskussion über die globale Dimension der Umweltverschmutzung und die Schwierigkeit der Durchsetzung umweltpolitischer Maßnahmen unter souveränen Staaten. Im Verlauf der Vorlesung wird die Kosten-Nutzen-Analyse als ein Mittel zur Bewertung von Projekten, bei denen nichtmarktfähigen Effekten auftreten, behandelt. Ein besonderes Augenmerk wird dabei auf verschiedene Methoden zur Messung geäußerter und offenbarer Präferenzen (ebenso wie auf den „Life Satisfaction Approach“) gelegt. Die Vorlesung befasst sich mit den wohlfahrtsökonomischen Grundlagen der Bewertung, der Kompensierenden und Äquivalenten Variation als monetäre Maße für den Wert der Veränderung von Umweltqualität. Die	2 SWS

Studierenden lernen den grundlegenden Unterschied zwischen Methoden zur Messung geäußerter und offenbarer Präferenzen kennen und welchen Part des ökonomischen „Gesamtwerts“ (Total Economic Value) die verschiedenen Methoden in der Lage sind zu messen. Anschließend werden die Hedonische Bewertungsmethode, die „travel cost method“, die Kontingente Bewertungsmethode sowie der „Life Satisfaction Approach“ diskutiert und mit jeweils einem Forschungsbeispiel kritisch überprüft. Die Vorlesung befasst sich auch mit dem Management von erneuerbaren und nichterneuerbaren Ressourcen. Abschließend befasst sich die Vorlesung mit Governance-Aspekten der Nachhaltigkeit. Es wird das Konzept responsiver Governance-Systeme und die Abschätzung der Auswirkungen bestimmter Rechtsnormen („Regulatory Impact Analysis), die auf geeigneten Verhaltensmodellen basieren, als eine Lösung für Regulierungsentscheidungen präsentiert.	
Prüfung: Klausur (90 Minuten)	6 C
Prüfungsanforderungen: In der Klausur sollen die erlernten theoretischen Konzepte wiedergegeben, erklärt und kritische diskutiert bzw. reflektiert werden. Darüber hinaus müssen die Studierenden den Nachweis erbringen in der Lage zu sein diese theoretischen Konzepte auf aktuelle wirtschaftliche und umweltpolitische Fragestellungen anzuwenden.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen		6 C 4 SWS
Modul M.WIWI-VWL.0127: Geschichte des ökonomischen Denkens <i>English title: History of Economic Thought</i>		
Lernziele/Kompetenzen: Die Studierenden machen sich mit einschlägigen Konzepten und Schlüsselakteuren ökonomischen Denkens vertraut. Sie können diese ideen- und allgemeinhistorisch kontextualisieren, sowie historische Kontroversen und Trajektorien des ökonomischen Denkens erklären. Die Studierenden setzen sich in die Lage, vergangene ideenhistorische Standpunkte kritisch zu hinterfragen und Schlüsse auf ihre gegenwärtige Relevanz zu ziehen. Sie können ideenhistorische Ansätze synthetisieren, eigene Positionen beziehen und diese in der wissenschaftlichen Auseinandersetzung verteidigen.		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Geschichte des ökonomischen Denkens (Vorlesung) <i>Inhalte:</i> Die Veranstaltung vermittelt grundlegende Aspekte der Geschichte des ökonomischen Denkens der, insbesondere der Entwicklung von Mikro- und Makroökonomik. Es werden einschlägige Fach- bzw. Originaltexte zur Lektüre bereitgestellt, die in einer begleitenden Übung vertiefend diskutiert werden.		2 SWS
Lehrveranstaltung: Geschichte des ökonomischen Denkens (Übung)		2 SWS
Prüfung: Mündlich (ca. 15 Minuten)		6 C
Prüfungsanforderungen: Kenntnis und Verständnis zentraler Standpunkte, Entwicklungslinien und Repräsentanten des ökonomischen Denkens, wie sie in der Vorlesung und den Begleittexten vorgestellt werden; Fähigkeit zur Einordnung und kritischen Würdigung einzelner Positionen; Fähigkeit zur Aufdeckung und Erklärung ideenhistorischer Zusammenhänge		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Hartmut Berghoff	
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4	
Maximale Studierendenzahl: nicht begrenzt		
Bemerkungen: Das Modul darf nicht absolviert werden, wenn bereits Modul B.WIWI-VWL.0063 oder Modul B.WIWI-WSG.0001 erfolgreich absolviert wurde.		

Die Angebotssprache kann semesterweise zwischen Deutsch oder Englisch wechseln.

Georg-August-Universität Göttingen Module M.WIWI-VWL.0128: Deep Determinants of Growth and Development		6 C 2 WLH
Learning outcome, core skills: After a successful participation, students have a deeper understanding of the mechanisms that lead to long-run economic growth and development. They learn about the forces that are linked to economic development like governance, corruption, institutions, democracy, inequality, culture, and social capital.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Deep Determinants of Growth and Development (Lecture) <i>Contents:</i> In this course, we will study long-run trends in economic development. We will analyze questions such as • Why are some countries richer than others? • Why is a country today richer than several generations ago? • How can historical events affect the economy today? • What are the mechanisms that lead to the transition from stagnation towards sustained growth? Contents: 1. Governance 2. Property Rights 3. Inequality 4. Institutional Change 5. Culture and Social Capital Literature: The course is based upon selected research articles. Further information on the relevant literature is announced in the syllabus.		2 WLH
Examination: Oral exam (ca. 20 minutes) or written exam (90 minutes)		6 C
Examination requirements: Demonstrate: • a profound knowledge of the deep determinants of long-run development, • a deep understanding of the fundamental causes and consequences of long-run economic growth, • the ability to solve problems in a verbal, graphical and analytical manner.		
Admission requirements: none	Recommended previous knowledge: Macroeconomics, Mathematics for Economists, Economic Growth, Econometrics as taught in the Bachelor courses	

Language: English	Person responsible for module: Prof. Dr. Holger Strulik
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Georg-August-Universität Göttingen Module M.WIWI-VWL.0130: Seminar Field Experiments in Experimental Economics		6 C 2 WLH
Learning outcome, core skills: Students will gain the ability to read and understand literature on field experiments in experimental economics. They will learn how to develop research questions, analyze these questions by applying experimental and empirical methods. They will understand how to critically assess other seminar papers. Finally, they practice their academic writing and improve their presentation and English skills.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Field Experiments in Experimental Economics (Seminar) <i>Contents:</i> The seminar covers field experiments and empirical studies in the areas of Behavioral Economics, Organizational Economics, Public Economics, and gender differences. Students will gain an understanding of current research. In this regard they are presented to state of the art research papers.		2 WLH
Examination: Presentation (approx. 20 minutes) with written elaboration (max. 18 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: The credits are awarded for the seminar paper and the presentation. In the presentation, the students demonstrate their ability to present complex field experiments and empirical studies. In the seminar paper, students demonstrate their ability to synthesize important findings from both empirics and experiments.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in Game Theory and Behavioral Economics	
Language: English	Person responsible for module: Apl.-Prof. Dr. Holger Rau	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 12		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0132: New Developments in International Economics		6 C 2 WLH
Learning outcome, core skills: During the seminar students familiarize themselves with a topic in international economics from the recent literature. After a successful participation, students are able to summarize the academic discussion of this topic in a short essay (max. 15 pages) and are able to critically discuss ongoing research of this topic and to present their work in class.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: New Developments in International Economics (Seminar) <i>Contents:</i> In the seminar a topic in international economics is investigated, which has recently attracted attention in academia and is subject to an ongoing academic debate. Further information on the current topic and the relevant literature is announced in the syllabus, which can be downloaded from the webpage of the Chair of Macroeconomics and Development: http://www.uni-goettingen.de/en/88544.html Past topics included Globalization 2.0, Global Imbalances, Environment and Resource Economics.		2 WLH
Examination: Essay (max. 15 pages) with presentation (ca. 30 minutes) Examination prerequisites: Attendance and active participation in the seminar. Attendance at the introductory meetings.		6 C
Examination requirements: • The students demonstrate that they are able to summarize and explain one or two research papers, • the students demonstrate that they have the ability to critically discuss the results, • the students demonstrate that they manage to relate the paper(s) to research in that field and to the scientific debate in the literature.		
Admission requirements: none	Recommended previous knowledge: Mathematics, Macroeconomics, Econometrics	
Language: English	Person responsible for module: Prof. Dr. Holger Strulik Dr. Katharina Werner, Dr. Ana Abeliasky	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 15		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0135: Advanced Economic Growth		6 C 4 WLH
Learning outcome, core skills: After a successful participation, students have a deeper understanding of the mechanisms that lead to long-run economic growth and development. They familiarize themselves with standard growth models and learn about the driving forces of modern economic growth like capital accumulation, human capital and technology.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Advanced Economic Growth (Lecture) <i>Contents:</i> 1) Refreshing the Solow growth model and the Diamond-OLG model 2) Neoclassical Growth (Ramsey-Cass-Koopmans model) 3) Overlapping Generations in Continuous Time 4) Human Capital and Economic Growth 5) Endogenous Growth with Expanding Varieties 6) The Scale Effect and Semi-endogenous Growth 7) Creative Destruction 8) Technology Diffusion 9) Economic Growth in the Very Long Run		2 WLH
Course: Advanced Economic Growth (Tutorial) <i>Contents:</i> In the accompanying tutorials, students should discuss and solve problem sets to deepen and broaden their knowledge of the topics covered in the lectures.		2 WLH
Examination: Oral examination (20 minutes) or written examination (90 minutes)		6 C
Examination requirements: Demonstrate: • a profound knowledge of the causes and consequences of long-run economic development • a deep understanding of standard models of economic growth • the ability to solve problems in a verbal, graphical and analytical manner		
Admission requirements: none	Recommended previous knowledge: Macroeconomics, Mathematics for Economists, Economic Growth, Econometrics as taught in the Bachelor courses	
Language: English	Person responsible for module: Dr. Katharina Werner	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0136: Behavioral Economics – Theory and Experimental Methods		6 C 2 WLH
Learning outcome, core skills: The students acquire the ability to independently dispute with topics of behavioral and experimental economics. In the beginning of this lecture they learn the basic understanding of behavioral economics. The goal is that students learn the differences and extensions of behavioral economics in contrast to standard theory. In the second part of the lecture they learn how the implications of behavioral economics can be tested with the means of economic experiment. In this respect they are introduced into the basic methods of experimental economics. That is, they are provided with the techniques of the design of state of the art economic experiments. Afterwards, they are able to design economic experiments which can be used to test own research ideas. In the final part of the lecture, students learn basic statistical methods to analyze experimental data.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Behavioral Economics – Theory and Experimental Methods (Lecture) <i>Contents:</i> Topics Lecture: 1. Introduction – What is “Behavioral Economics”? 2. Economic Decision Theory – Expected Utility Theory vs. Prospect Theory 3. Behavioral Game Theory – Game Theory in the light of Behavioral Economics 4. Social Preferences and its implications on decisions in social contexts 5. Basics of Experimental Economics – How to design and conduct experiments? 6. Experiments – Statistical Foundations of the Analysis of Experimental Data Exercise Course: In the associated exercise course the students deepen and extend the knowledge and skills which were acquired in the lecture. In this respect, we will cover exercises on economic decision theory. We will analyze these results in the light of standard theory and behavioral economics. Lecture and exercise course: The courses will switch all 14 days.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstration of a profound understanding of microeconomic problems, • good understanding of microeconomic consumer theory, • demonstration of microeconomic knowledge on decisions under uncertainty (expected utility theory), • verification of excellent game theory skills, • verification of good statistical and econometric knowledge.		
Admission requirements: none	Recommended previous knowledge: Microeconomics Game Theory	

	Institutional Economics
Language: English	Person responsible for module: Apl.-Prof. Dr. Holger Rau
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0137: Seminar Games in Economic Development		6 C 2 WLH
Learning outcome, core skills: This seminar aims at training students in the use of game theory to understand development economics. Participants will learn how situations of strategic interaction can be modelled using game theory. We will discuss recent empirical applications of game theory to study land, labor and credit markets, collective action, conflict and violence.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Games in Economic Development (Seminar) <i>Contents:</i> Suggested areas of research: • development traps and coordination games, • rural poverty development and the environment, • risk, solidarity networks and reciprocity, • agrarian institutions, • savings, credit and microfinance, • social learning and technology adoption, • property right, governance and corruption, • conflict, violence and development, • social capital.		2 WLH
Examination: Presentationen (ca. 40 minutes) with written elaboration (max. 10 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: Students have to give a presentation on a pre-assigned reading. Students should discuss the reading and critically assess the state of the art. We expect that students will be able to suggest new avenues.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Marcela Ibanez Diaz	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0138: Quasi-Experiments in Development Economics	6 C 3 WLH
Learning outcome, core skills: • Understanding of the counterfactual problem and critical assessment of sources and causes of endogeneity bias, • deep understanding of quasi-experimental estimation strategies and their identifying assumptions, • critical reading and reviewing of scientific articles that apply quasi-experimental techniques, • conduct of data analyses using quasi-experimental research designs, • ability to design and draft own research ideas that apply quasi-experimental identification strategies.	Workload: Attendance time: 42 h Self-study time: 138 h
Course: Quasi-Experiments in Development Economics (Lecture) <i>Contents:</i> The course deals with common quasi-experimental approaches for measuring causal effects in developing economics. The content focuses on the distinction between correlation and causality and provides students with a statistical toolkit which will allow them to plan and conduct their own independent research. The lecture starts off with a theoretical foundation of the counterfactual problem and how randomized controlled trials (RCTs), considered the gold standard, solve the counterfactual problem. Special attention is paid to endogeneity caused by omitted variables, reverse causality and measurement error. The main part of the course deals with common quasi-experimental approaches to causal effect identification, including difference-in-differences and fixed effects estimation, instrumental variables estimation, regression discontinuity design and matching design. The course further deals with standard error issues inherent to specific methods and their solutions as well as issues with multiple hypotheses testing. In the lecture, special attention is paid to the specific assumptions necessary for each quasi-experimental technique to measure causal effect and common threats to identification (such as selection bias). This is discussed based on a theoretical framework as well as at examples from the literature.	2 WLH
Course: Quasi-Experiments in Development Economics (Exercise) <i>Contents:</i> In tutorials, students learn how to use quasi-experimental techniques in a very practical manner through exercises in Stata and critical reading and reviewing of scientific articles.	1 WLH
Examination: Written examination (90 minutes) Examination requirements: • Comprehensive theoretical knowledge of quasi-experimental methods and their identifying assumptions, • deep understanding of the distinction between correlation and causality, • ability to critically assess different biases and threats to internal validity, • knowledge of practical implementation of methods,	3 C

• understanding of standard error issues and knowledge of dealing with them, • understanding of the literature discussed in lectures and tutorials, • ability to design evaluation recommendations based on a given situation.	
Examination: Practical examination (max. 10 pages) Examination requirements: • Ability to summarize and outline the key points of a scientific article, • ability to critically assess violations to identifying assumptions of quasi-experimental techniques applied in the literature, • knowledge of standard tests to demonstrate internal validity of quasi-experimental methods, • practical implementation of quasi-experimental methods in Stata, • critical review of own data analysis .	3 C
Examination requirements: In general: • Comprehensive theoretical and practical understanding of causal identification and the major methods, • practical implementation with Stata.	
Admission requirements: none	Recommended previous knowledge: Basic understanding of statistics, econometrics, and Stata or willingness to acquire these skills as part of the course.
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0140: Economics of Education		6 C 4 WLH
Learning outcome, core skills: By end of this course the students will be able to understand the role of education for economic development. They will be familiar with theoretical and empirical approaches to analyze the demand and supply of education and understand factors affecting the effectiveness of education.. They will be able to do independent research in this area and get familiarize with the existing literature.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Economics of Education <i>Contents:</i> • Human capital and signaling models • Private and social returns to education • Education production function • Teachers: teacher labour market, teaching quality, etc. • Students: peer effects, tracking, etc. • Equity aspects: gender gap, affirmative action, etc. • School choice: private and public investments in education • Role of cognitive versus non-cognitive skills in labour market outcomes		4 WLH
Examination: Written examination (90 minutes)		3 C
Examination: Presentation (ca. 30 minutes) with written elaboration (max. 5 pages)		3 C
Examination requirements: Students demonstrate a good understanding of the theory and empirical models related to the economics of education. They are able to critically evaluate existing research to draw policy relevant conclusions and identify open areas for further research in this field.		
Admission requirements: none	Recommended previous knowledge: Basics of microeconomics and econometrics	
Language: English	Person responsible for module: Dr. Sarah Khan	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0142: Current Developments in Central Banking and Capital Markets		6 C 2 WLH
Learning outcome, core skills: The seminar aims at broadening the understanding of monetary policy making by the major central banks worldwide, of the working of different segments of capital markets and of interactions/influences between central banks and capital markets. Students participating in the seminar will be able to critically assess the relevant literature on the related issues and to evaluate this literature in the light of actual developments in monetary policy and capital markets. Through the preparation of the seminar essay, the seminar participants will improve their skills in academic writing as well as in presenting and discussing their results.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Current Developments in Central Banking and Capital Markets (Seminar) <i>Contents:</i> The seminar deals with trends and developments observed recently in the monetary policy making by major central banks worldwide and in different segments of capital markets. The focus is thus on 1) the functioning, effectiveness and the impact of monetary policy, 2) the evolution of well-established and novel patterns in capital markets, and 3) (global) interactions between monetary policy and capital markets.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Independent research work on one seminar-related issue. The participants should timely deliver the essay on an agreed topic. In the essay, students should demonstrate their ability to concisely review the relevant literature and discuss it with a critical sense. The delivered essay should be written according to some pre-defined formal requirements and – if details are missing – according to broadly accepted academic standards. Through the presentation and discussion of the essay, the participants show their deep understanding and mastery of their seminar topic.		
Admission requirements: none	Recommended previous knowledge: Advanced macroeconomics, Econometrics	
Language: English	Person responsible for module: Agnieszka Gehringer	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 12		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0143: Mind, Society and Development		6 C 2 WLH
Learning outcome, core skills: This seminar would allow students to build on knowledge gained in the course behavioral development economics. Students will learn how behavioral economic models can be used to understand development and design development policies. Students are expected to do a critical assessment of existing literature. Identify gaps in research and suggest future research questions.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Behavioral Economics (Seminar) Contents: • Thinking socially • Thinking with mental models • Poverty • Early childhood development • Household finance • Productivity • Health • Climate change		2 WLH
Examination: Presentation (ca. 30 minutes) with written elaboration (max. 10 pages) Examination prerequisites: Regular and active participation		6 C
Examination requirements: All students are required to write a 10 page term paper doing a critical assessment of recent developments on the topic. The research paper is to be presented during the class. Participants are expected to explain findings of key papers on the topic, discuss the limitations of the papers and suggest future areas of research. It is expected that students attend presentations of the peers and participate actively in the discussion.		
Admission requirements: none	Recommended previous knowledge: Microeconomic; Statistics, Econometrics	
Language: English	Person responsible for module: Prof. Dr. Marcela Ibanez Diaz	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0144: Migration Economics: Replication Course	6 C 4 WLH
Learning outcome, core skills: The course addresses selected issues of international economic policy using methods of applied econometrics. By reading, discussing and re-estimating empirical papers on the topic, students should learn how to address politically relevant issues with the help of applied empirical analysis. The structured analysis of empirical papers using micro-econometric approaches will train general skills that are necessary for writing an empirical master thesis. By the end of the course, students will acquire the following competencies: • familiarity with research questions studying the causes and consequences of international and inter-regional migration both from the perspective of sending and host countries (regions) and the affected households, • the ability to define a research question, • familiarity with issues of causal identification and model selection, • the ability to discuss the strengths and weaknesses of empirical strategies, • the ability to perform and document an empirical analysis, • the ability to interpret empirical results. Moreover, students will also broaden their skills of working with the statistical software Stata.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Migration Economics: Replication Course (Lecture) <i>Contents:</i> The lecture discusses recently published empirical papers analyzing the causes and consequences of interregional and international migration. It will typically consist of discussions of about 6-7 empirical papers, out of which about 5 papers will also be re-estimated in the practical sessions. Each course participant is expected to read the papers in advance and to be willing to participate in classroom discussion based on the papers. The required readings will consist of one empirical paper each week or each second week, all recently published in well-known economic journals.	2 WLH
Course: Migration Economics: Replication Course (Exercise) <i>Contents:</i> The practical part consists of exercise sessions in the CIP-pool that focus on re-estimating parts of the papers discussed in the lecture in form of weekly exercise sheets, using the statistical software Stata. In the first few weeks, a short introduction to data management in Stata will be given. The practical sessions aim to prepare students to performing an empirical analysis of their own.	2 WLH
Examination: Practical examination: 6 weekly assignments	2 C
Examination: Practical examination: final report (max. 12 pages) Examination prerequisites: For both examinations: 1 brief essay on the topic of the course (1 page)	4 C

Examination requirements: The first part of the practical examination consists of up to twelve weekly (or bi-weekly) assignments that are prepared and discussed in advance during the tutorials. Students are expected to finish the exercises over the week and hand in a final version of their solution. Submitted solutions are evaluated and the collected points are added to those of the final report. The second part of the practical examination consists of performing and documenting an empirical analysis on a pre-defined topic related to the focus of the course. The written documentation should explain and discuss the empirical analysis. A detailed question sheet to guide the empirical analysis and its documentation will be provided.	
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I M.WIWI-QMW.0005 Econometrics II basic skills in Stata are helpful
Language: English	Person responsible for module: Prof. Dr. Krisztina Kis-Katos
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 20	
Additional notes and regulations: Participation is limited by the practical module examination.	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0146: Political Economy of Global Energy Markets		6 C 2 WLH
Learning outcome, core skills: Students will learn to examine the phenomena of transition and energy geopolitics from a political economy perspective, interpreting qualitative information and quantitative data. They will engage in discussions with a particular focus on two key aspects: power relations and the concept of 'energy ideology'. Through lectures, class discussion and student presentations, the course will equip students with the ability to critically analyse the transition and contemporary geopolitics of energy, utilising a structured analytical framework that will be developed throughout the course.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Political Economy of Global Energy Markets (Seminar) <i>Contents:</i> The course is structured in three blocks, relating "energy thinking" to the design of hegemonic energy models. Thinking Energy through Political Economy: This bloc explores how Political Economy has shaped the energy narrative from the Industrial Revolution to the present. It emphasizes that the choice of energy models —how energy is captured, transformed, and used—is influenced by power dynamics. International Oil and World Order: The second bloc examines how the mainstream energy narrative contributed to the Capitalist world order in the 20th century, establishing governance structures for the international oil industry. This section aims to illustrate that energy models arise from historical processes. Critical Thoughts on Energy Transition: The final bloc critically examines the energy transition, focusing on its narrative and implications for global power relations. The sessions explore the resurgence of nuclear energy discourse, the geopolitical significance of gas and hydrogen and the role of techno-scientific ideology in shaping energy models.		2 WLH
Examination: Term paper (max. 15 pages) Examination prerequisites: Regular attendance and student presentation		6 C
Examination requirements: The final exam will consist of a written essay on a topic proposed by the lecturer. The short assignments throughout the course and the regular attendance will be requisite for admittance to the final exam. A short, ungraded report will be completed for the excursion.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Hartmut Berghoff	

	Gastdozent Aurelia Mane Estrada
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3
Maximum number of students: 25	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0147: Empirical Political Economy	6 C 4 WLH
Learning outcome, core skills: In this course, students learn about relevant issues of political economy by reading and discussing empirical papers that address the interlinkages between economics and politics. After completing the course students will acquire the following competencies: • be familiar with a range of currently relevant issues in political economy: know about the role of elections, political participation and accountability, the role of various political institutions, the role of media and individual politicians as well as the connections between economics and politics, • be able to read and assess new empirical papers on the topic. More specifically, • be able to discuss the research questions of new papers in the light of the existing literature, • be able to assess the pros and cons of various causal identification strategies and assess the strength (and potential problems) of identification strategies of new empirical papers, • be able to interpret the results of new empirical studies and discuss the strengths and potential limitations of the study designs.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Empirical political economy (Lecture) <i>Contents:</i> The lecture is organized as a weekly reading course and discusses recent empirical papers on various issues of political economy. It addresses the role of elections and voting, political participation and franchise, electoral rules, gender representation in politics, the role of media and propaganda, the role of individual politicians and political connections, the role of media, as well as political accountability and institutions. Each course participant is expected to read the papers in advance and to be willing to participate in classroom discussion based on the papers. The required readings will consist of one empirical paper per week, recently published in well-known (top-tier) economic journals. <i>Course outline:</i> 1. Voting 2. Electoral process 3. Returns to politics 4. Social networks 5. Further selected topics	2 WLH
Course: Empirical political economy (Exercise) <i>Contents:</i> In the practical part, students practice developing empirical research designs related to the topic of the lecture. In the first few practical sessions a short introduction into empirical research designs and dealing with issues of causal identification will be given.	2 WLH

Examination: Written examination (180 minutes) Examination prerequisites: In the written exam students are expected to read a short empirical paper that has not yet been discussed in the course and answer questions related to the paper. The exam is open-book.		4 C
Examination: Presentation (approx. 5 minutes, exactly 1 slide) with written elaboration (max. 1.500 words) in the form of a research proposal in groups of 2 students Examination requirements: The first examination requirement consists of a classroom assignment (a research proposal of maximal 1,500 words) on the topic of empirical political economy. Students are required to develop an empirical research design and present their research idea briefly (using exactly 1 slide) during the last lecture. The assignment should be completed in groups of two students.		2 C
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I M.WIWI-QMW.0005 Econometrics II	
Language: English	Person responsible for module: Prof. Dr. Krisztina Kis-Katos	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0148: Field Experiments in Development Economics		6 C 4 WLH
Learning outcome, core skills: Students will acquire extensive experience in conducting field research projects in development economics. Specifically, in this module students will gain experience in designing, programming and piloting a survey questionnaire, co-working with field staff (enumerators, research partners, project staff), and in creating the logistics and contingencies plans for a smooth implementation. Students will also become familiar with setting up, monitoring and quality checking the data collection before cleaning the data for statistical analysis. Additionally, students will develop an awareness for the typical ethical challenges that arise when conducting field research.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Field Experiments in Development Economics (Internship) <i>Contents:</i> This module focuses on gaining first-hand experiences in conducting field research in development economics. The students will become part of a field research team and learn how to set up a research protocol (including ethical considerations and application for IRB approval). They will help create, program and pilot a survey questionnaire and apply their econometric skills to the sampling process (power calculations, sampling design, units of randomization, balance checks). Field protocols, quality checks and monitoring of the data collection will also be a part of students' experiences. Throughout, students will enhance their team work, communication and intercultural skills.		4 WLH
Examination: Term Paper (max. 20 pages)		6 C
Examination requirements: Thorough experience in the methodological, logistical and ethical aspects of running a field experiment.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0150: Game Theory		6 C 4 WLH
Learning outcome, core skills: The students: • are familiar with the formal definitions in game theory, in particular with the standard mathematical notations, • know basic proofs and proof methods, • can apply abstract solution concepts to concrete problems.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Game Theory (Lecture) <i>Contents:</i> This lecture will cover the material for a first course in game theory on the master level. The lecture will be based on the game-theory text book by Osborne and Rubinstein ("A Course in Game Theory"). The course will cover chapters 2 (Nash Equilibrium), 3 (Mixed, Correlated, and Evolutionary Equilibrium), 6 (Extensive Games with Perfect Information), 11 (Extensive Games with Imperfect Information), and 12 (Sequential Equilibrium).		2 WLH
Course: Game Theory (Exercise) <i>Contents:</i> The exercise will cover parts of the exercises from the text book of the covered chapters.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: Students need to proof: • the knowledge of formal definitions, their economic interpretations and associated theoretical results, • the ability to formalize strategic interactions with game-theoretic models, • the ability to apply the covered game-theoretic solution concepts.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in game theory	
Language: English	Person responsible for module: Dr. Stephan Müller	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0151: Topics in Behavioral Economics		6 C 2 WLH
Learning outcome, core skills: Students will • gain the ability to develop and analyze state-of-the-art research questions in economics by applying behavioral and experimental methods, • become acquainted with different approaches, methods, and classes of behavioral models to better understand economic decision making, • learn how to critically evaluate empirical and theoretical findings in economics by incorporating insights from related fields such as psychology and neuroscience, • understand the overall importance of using behavioral economics to study or revisit research questions in economics.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Topics in Behavioral Economics (Seminar) <i>Contents:</i> This seminar focuses on state-of-the-art research in economics from a behavioral economics perspective.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: In the presentation, students demonstrate their ability to present complex experimental and empirical designs or theoretical models. In the seminar paper, students demonstrate their ability to synthesize relevant literature and important findings from both empiricism and theory, derive and formulate relevant research questions and hypotheses, and give an outlook for future research.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in Microeconomics, Game Theory, Mathematics, Statistics and Econometrics	
Language: English	Person responsible for module: Prof. Dr. Claudia Keser	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 15		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0152: Applied International Economics		6 C 2 WLH
Learning outcome, core skills: After a successful participation, students have a deeper understanding of the drivers and barriers to the movement of goods, capital and people. They can assess the relative importance of these factors (like culture, institutions, geography, free trade/investment agreements, etc) within an empirical framework. Moreover, they know the main empirical methods used in the literature and are able to apply them using STATA.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Applied International Economics <i>Contents:</i> In this course we will study several topics in the field of international economics ranging from migration to international trade and foreign direct investment, with an empirical focus and mainly using the gravity model and its different applications. We will analyze questions such as: • What are the empirical tools to assess the importance of trade barriers? • What determines migration flows? • How can we assess the effects of free trade agreements? • What drives foreign direct investment? Why do firms decide to invest abroad? In particular, the students should learn what are the forces that drive the movement of people, goods and capital and how to empirically assess the importance of the drivers/ barriers.		2 WLH
Examination: Oral examination (20 minutes) or written examination (90 minutes)		6 C
Examination requirements: Demonstrate: • a profound knowledge and understanding of the determinants (and barriers) of trade, FDI and migration, • the ability to assess the importance of these in an empirical manner.		
Admission requirements: none	Recommended previous knowledge: International Trade, knowledge of Stata software, Development Economics, Econometrics as taught in the Bachelor courses	
Language: English	Person responsible for module: Dr. Ana Lucía Abeliánsky	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0154: Seminar on Social Preferences	6 C 2 WLH
Learning outcome, core skills: The seminar aims to broaden the view on economic theory by examining an important topic in the field of behavioral economics: social preferences. During the seminar, students: • get to know different types of social preferences and how they can be modeled theoretically, • gain a systematic understanding of the empirically observed deviations from standard economic predictions, • will be familiarized with a range of experimental games that allow testing the prevalence of social preferences, • learn basic tools to develop an own experimental design that allows testing specific aspects of social preferences. As part of the seminar, students will write a term paper on a specific topic, which they will also present. They will thus: • practice their academic writing, • improve their presentation skills, • learn how to critically assess and discuss the papers of other seminar participants.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar on Social Preferences (Seminar) <i>Contents:</i> A standard assumption in economic theory is that people are exclusively motivated by material self-interest. However, there is substantial evidence that other motives play a role. People donate money to charities, they provide anonymous support in online forums and they are typically more generous towards those that have been nice to them and less supportive of the ones that have been unkind. Some people are even willing to incur considerable costs in order to reduce the payoff of others. Social interactions and individual decision making thus seem to be shaped by a concern for the welfare of others, by fairness notions and reciprocity concerns. How can these findings be reconciled with economic theory? In this seminar, we will review different models of social preferences that depart from the self-interest hypothesis; in particular, models that incorporate positive as well as negative concerns for others – e.g. altruism, reciprocity, trust, spite, envy etc. – and that allow for heterogeneity in preferences. We will review a number of experimental games with the help of which the prevalence of specific social preferences can be tested. We will contrast the empirical evidence that is based on laboratory and field experiments with the theory, discuss the implications and highlight the models' limitations. In the term paper, each student is asked to discuss one specific other-regarding motive, to present the relevant theory, and to critically discuss the theory's potential and its limitations in light of the empirical findings. Furthermore, the student is asked to outline a research design to test empirically one specific aspect of this motive.	2 WLH

The term paper will be presented in the seminar and be discussed by two other students. The comments during the presentation can then be incorporated in the paper. The final version is due at the end of the semester.	
Examination: Term paper (max. 20 pages) with presentation (ca. 30 minutes) Examination prerequisites: Regular attendance, discussion of two other papers (each ca. 10 minutes)	6 C
Examination requirements: The students should show a solid understanding of the theory presented and its limitations. They should be able to reconcile empirical findings with the presented theory and discuss their implications. Furthermore, they are expected to present an idea for a small experiment that would allow testing a specific aspect of the theory presented. As the term paper is due after the presentation, in the paper the student should have incorporated the comments and critical aspects that were raised during the presentation.	
Admission requirements: none	Recommended previous knowledge: Microeconomics, Econometrics, Interest in behavioral economics
Language: English	Person responsible for module: Dr. Friederike Lenel
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 12	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0162: Firms in International Trade	6 C 4 WLH
Learning outcome, core skills: After a successful completion of the course students are able to: • give an overview of key features of the world trade pattern that cannot be explained by traditional trade theories based on comparative advantage, • understand and explain how models featuring firms in imperfectly competitive environments can rationalize key empirical regularities of current trade flows, • analyze the welfare effects of openness to international trade in a world with firm heterogeneity, • analyze and explain the new distributional effects of international trade resulting from firm heterogeneity.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Firms in International Trade (Lecture) <i>Contents:</i> I. Intra-industry trade and the Krugman model Discussion of empirical evidence on intra-industry trade. In-depth analysis of the Krugman model as an explanation of the evidence discussed. Model extensions to account for co-existence of intra- and inter-industry trade, the home-market effect, and multi-lateral trade flows in the gravity equation. II. International Trade and Firm Heterogeneity Discussion of empirical evidence on firm-level trade patterns. In-depth analysis of the monopolistic competition model with firm heterogeneity and international trade in final goods as an explanation of the evidence discussed. Effects of trade liberalization on individual firms, on the income distribution, and on aggregate welfare. III. Offshoring and Firm Heterogeneity Discussion of empirical evidence on the link between firm characteristics and the incidence of offshoring. Modelling the offshoring decision at the firm level, and its link to general equilibrium outcomes regarding welfare, firm-level employment, and the income distribution. IV. Labour Market Effects of International Trade Discussion of empirical evidence linking firm characteristics and firm export behavior to firm-level wages. Analysis of international trade on welfare, income distribution and unemployment in the presence of firm heterogeneity and labour market imperfections.	2 WLH
Course: Firms in International Trade (Exercise) <i>Contents:</i> In the accompanying practice session students deepen and broaden their knowledge from the lectures.	2 WLH
Examination: Written examination (90 minutes)	6 C
Examination requirements: • Demonstrate a knowledge of the modern theoretical models that are used to explain intra-industry and firm-level trade patterns,	

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| <ul style="list-style-type: none">• show the ability to analyze the welfare and distributional effects of international trade and offshoring in those frameworks. | |
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Admission requirements: none	Recommended previous knowledge: Microeconomics
Language: English	Person responsible for module: Prof. Dr. Udo Kreickemeier
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0163: Tax and Fiscal Competition	6 C 4 WLH
Learning outcome, core skills: By the end of the module, students will have formed a reasoned view on whether, and under which conditions, competition among governments is beneficial or detrimental. They will know the main theoretical approaches to analyze strategic interaction among countries or subnational jurisdictions. They will be able to explain the meaning of, and the mathematics underlying, ideas such as “voting with the feet” and “race to the bottom”. They will be aware of the importance of the available government instruments (public goods and/or taxes) for the impact of fiscal competition on efficiency. Participants will be able to understand the possibilities and limitations of intergovernmental co-ordination of tax and spending policies. Participants will learn to explain the mechanisms driving key results in fiscal competition. They will acquire a certain proficiency in solving simple theoretical models, will be trained in providing intuitive explanations, and will evaluate empirical results.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Tax and Fiscal Competition (Lecture) <i>Contents:</i> 1. Local public goods Optimal size of a jurisdiction. Locational efficiency. Efficient provision of public goods. Segregation along income and preferences. 2. Mobility and fiscal competition Tax instruments of local jurisdictions. Efficient fiscal competition: the Tiebout model. Preference revelation through mobility. Fiscal competition in higher education. 3. Population size and the cost of providing public goods Cost disadvantages of large, densely populated or of small, sparsely populated regions. Problems of empirically observing cost disadvantages. Justification for granting higher revenues to cities in fiscal equalization. 4. International tax competition and mobile capital Capital mobility and strategic choice of tax rates. Fiscal externalities. Inefficient tax competition: the Zodrow/Mieszkowski model. Under-taxation and the supply of public goods. Tax competition and intergovernmental grants. 5. Tax competition and profit shifting Transfer pricing regulation as an instrument in tax competition. Transfer pricing and strategic trade policy. Benefits and costs of international tax co-ordination.	2 WLH
Course: Tax and Fiscal Competition (Exercise) <i>Contents:</i> The exercise accompanies the lecture with exercises and revision.	2 WLH
Examination: Written examination (90 minutes)	6 C
Examination requirements:	

Participants are required to show their understanding of the impact of mobility on tax bases and tax policy decisions. They shall demonstrate that they understand the theoretical assumptions which yield efficient or inefficient fiscal competition. To do this, they must be able to solve simple microeconomic models, explain the intuition behind theoretical results, and form a judgement about the plausibility and relevance of different models.	
Admission requirements: none	Recommended previous knowledge: Basic knowledge of microeconomics is assumed, basic knowledge of public finance and taxation is useful, students should be able and willing to work with simple mathematical economic models
Language: English	Person responsible for module: Prof. Dr. Robert Schwager
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Modul M.WIWI-VWL.0164: Seminar zu aktuellen Fragestellungen der Mittelstands- und Regionalökonomik <i>English title: Recent Topics in SME and Regional Economics</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • haben die Kompetenz, eine selbstständige Recherche zu einem Thema aus dem Bereich der Institutionenökonomik in der einschlägigen aktuellen wissenschaftlichen Literatur durchzuführen, • sind in der Lage, die Thematik unter Anwendung komplexer theoretischer und empirischer wirtschaftswissenschaftlicher Ansätze zu erfassen und zu verstehen, • können eine schriftliche Arbeit zum Thema anfertigen, die hohen wissenschaftlichen Standards genügt, • weiterhin kennen und verwenden sie dabei die Grundsätze guten wissenschaftlichen Arbeitens, • sind in der Lage, das Thema rhetorisch überzeugend in klarer und eindeutiger Weise vor allen Teilnehmenden des Seminars zu präsentieren, • können in einer anschließenden Diskussion Fragen zum Thema beantworten und die Problematik auf wissenschaftlichem Niveau auch in ihrer gesellschaftspolitischen Relevanz kritisch reflektieren.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Seminar zu aktuellen Fragestellungen der Mittelstands- und Regionalökonomik (Seminar) <i>Inhalte:</i> Das Seminar beschäftigt sich mit aktuellen Fragen der Mittelstands- und Regionalökonomik. Das Seminar dient dabei der wissenschaftlichen Erarbeitung, der schriftlichen und mündlichen Präsentation sowie der kritischen Diskussion aktueller Fragen. Im Seminar werden aktuelle Forschungsergebnisse diskutiert und sollen den Studierenden ermöglichen, einen Überblick über angewandte Forschungsfelder der VWL mit dem Schwerpunkt auf mittelstands- und regionalökonomische Themen zu bekommen. Die genauen Inhalte und Themen werden immer am Ende des vorangehenden Semesters bekannt gegeben und wechseln von Semester zu Semester. Themenbeispiele sind: Entrepreneurship, Innovationspolitik, Ökonomische Erfolgsfaktoren der Regionalentwicklung, EU-Strukturpolitik und regionale Wirtschaftsförderung, Demographischer Wandel in Niedersachsen.	2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (ca. 20 Minuten) Prüfungsvorleistungen: Regelmäßige Teilnahme	6 C
Prüfungsanforderungen:	

• Die Hausarbeit soll zeigen, dass der Studierende die behandelten Arbeiten verstanden hat und in den Kontext der Literatur und der aktuellen Diskussion einordnen kann, • Studierende weisen nach, dass sie in der Lage sind, die Literatur in Bezug auf eine konkrete Fragestellung aufzubereiten und damit eine klare Argumentation für diese Fragestellung zu entwickeln, • sie weisen auch nach, dass sie in der Lage sind, wissenschaftlich zu arbeiten, passende Quellen zu identifizieren, zu nutzen, kritisch zu reflektieren, und klar zu kennzeichnen, • die Präsentation soll zeigen, dass der Studierende ökonomische Forschungsergebnisse und komplexe Sachverhalte kurz und klar vorstellen kann und er soll zeigen, dass er in der Lage ist, seine Arbeit zu verteidigen, und auch Fragen und Kommentare dabei zu berücksichtigen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundkenntnisse in den Bereichen Mikroökonomik, Makroökonomik und Wirtschaftspolitik werden vorausgesetzt
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 20	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0165: Introduction to PsychoEconomics		6 C 4 WLH
Learning outcome, core skills: Students will: • get an overview of new concepts, techniques, and recent results in the field of economic psychology, • discuss alternative models of decision making, • get a brief introduction to neuroscientific techniques to measure and analyze decision making in the brain.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Introduction to PsychoEconomics (Lecture) <i>Contents:</i> The lecture is composed of three parts. The first part deals with the question of how decisions can be modeled within economics and psychology. Students will become acquainted with normative models of and descriptive approaches to individual decision making such as the revealed preference approach, expected utility, prospect theory, heuristics and biases, and dual-process theories. The second part of the lecture provides additional insights into how individual decisions are made. In this part we present the results of psychological studies looking at process data (response times, eye tracking, etc.). The third part of the lecture provides a brief introduction to decision making in the brain (neuroeconomics). Particularly, this part introduces the relevance of different brain areas for decision making and different brain imaging techniques to understand how decision making in the brain can be analyzed. Furthermore, exemplary studies in the field of neuroeconomics will be discussed.		2 WLH
Course: Introduction to PsychoEconomics (Tutorial) <i>Contents:</i> Tutorials will intensify the content of the lecture. The acquired knowledge from the lecture will be tested in text assignments, calculus problems, and/or oral discussions for each part of the lecture.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: Students must demonstrate basic knowledge of the main concepts, techniques, and results provided in the lecture (including the literature for self-study) and the tutorials by means of solving text assignments, calculus problems, and/or multiple choice questions.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in statistics, microeconomics, game theory and experimental economics	
Language: English	Person responsible for module: Prof. Dr. Claudia Keser	
Course frequency: irregular	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0167: Topics in International Trade		6 C 2 WLH
Learning outcome, core skills: After a successful completion of the course students have achieved following competences: • understand complex questions in international economics independently and communicate their knowledge both in written form and verbally, • understand theoretical models that are used in the literature and explain how the models are applied to answer specific research questions, • participate actively in discussions with qualified contributions and comment on the contents of the other presentations.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Topics in International Trade (Seminar) <i>Contents:</i> In this seminar, students review the theoretical and empirical literature concerning central issues in the research area of international trade. Issues covered in the seminar can relate to: • distributional effects of international trade • international production linkages • trade policy and further related questions.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (ca. 20 minutes) Examination prerequisites: Active participation in the seminar. Attendance at the introductory meeting.		6 C
Examination requirements: The students should be able to elaborate on a recent topic independently. This process involves literature research, academic writing and the appropriate oral presentation of the written paper.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-VWL.0001 Advanced Microeconomics, M.WIWI-QMW.0004 Econometrics I, M.WIWI-VWL.0092 International Trade	
Language: English	Person responsible for module: Prof. Dr. Udo Kreickemeier	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 15		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0168: Economics of Multinational Enterprises		6 C 4 WLH
Learning outcome, core skills: After a successful completion of the course students are able to: • understand the role of multinational firms in the world economy, • explain why and when multinational firms exist, • understand how the existence of multinational firms changes the market structure and welfare.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Economics of Multinational Enterprises (Lecture) <i>Contents:</i> Firms in International Trade 1. Concepts, Stylized Facts, Issues 2. Overview of theory and empirical findings 3. Horizontal FDI 4. Vertical FDI 5. Trade Costs and Foreign Direct Investment 6. Internalization		2 WLH
Course: Economics of Multinational Enterprises (Exercise) <i>Contents:</i> In the accompanying practice session students deepen and broaden their knowledge from the lectures.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstrate a knowledge of the classical theoretical models that are used to explain the strategies of multinational firms, • narratively state the economic intuitions behind the theoretical models, • show the ability to analyze the differences between multinational firms and national firms.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-VWL.0092: International Trade	
Language: English	Person responsible for module: Dr. Zhan Qu	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0169: The Economics of European Integration	6 C 4 WLH
Learning outcome, core skills: The goal of this course is to provide students with a general understanding of the underlying economics of European integration. After a successful completion of the course students are able to: • give an overview of the real economic and monetary aspects of European integration, • understand and analyze the different instruments of European trade policy and their effects on goods markets and international trade, • evaluate the implications of European integration for labour markets and migration, • understand, analyze and critically assess the effects of monetary integration as well as the causes and consequences of the Euro area crisis, • use both microeconomic and macroeconomic concepts to discuss and assess current challenges of European integration.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: The Economics of European Integration (Lecture) <i>Contents:</i> 1. The process of European integration Overview of EU institutions and history of the process of European integration. 2. International trade and goods market integration Effects of European trade policy on goods market integration. Analysis of different trade policy instruments on trade flows and gains from trade. Effects of market integration in the presence of imperfect competition. Application of micro-founded concepts and evaluation of empirical studies. 3. European labour markets, migration and unemployment Analysis of European integration policy on labor markets, wages and migration. Discussion of theoretical concepts and empirical evidence related to labor market effects of European integration. 4. Monetary integration and the Euro area crisis Analysis of the theory of Optimal Currency Areas and evaluation of monetary integration in the context of the Euro area. Application of macroeconomic concepts to understand the causes and consequences of the Euro area crisis. 5. Current challenges of European integration Critical assessment and application of economic concepts to address recent challenges related to European integration, including Brexit, migration, macroeconomic imbalances and trade wars.	2 WLH
Course: The Economics of European Integration (Exercise) <i>Contents:</i> The tutorial sessions are divided into two parts. In the first part, students solve problem sets and apply concepts and methods developed in the lecture. In the second part,	2 WLH

students are expected to give short presentations (20 minutes) that discuss selected topics of current challenges of European integration.	
Examination: Written examination (90 minutes) Examination prerequisites: Admission to the exam requires the presentation of one selected topic on European integration (20 minutes). Depending on class size, presentations can also take place in groups.	6 C
Examination requirements: • Demonstrate a profound knowledge of both microeconomic and macroeconomic concepts related to European integration, • show the ability to evaluate the effects of integration policies on goods markets, labor markets and monetary policy by means of theoretical models, • students should be able to assess the theoretical concepts with respect to empirical applications.	
Admission requirements: none	Recommended previous knowledge: Good knowledge in Microeconomics and Macroeconomics and basic knowledge in Econometrics. Prior knowledge in International Trade is advised.
Language: English	Person responsible for module: Jun.-Prof. Dr. Florian Unger
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0174: China's Economic and Political Development		6 C 2 WLH
Learning outcome, core skills: Students learn how to work through cutting-edge empirical research on China's economic and political development, synthesize and critically review scholarly work, implement their own independent research, and present research in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: China's Economic and Political Development (Seminar) <i>Contents:</i> The seminar content varies depending on current developments. Typically, topics from the following areas are covered: Long-run development of China, Economic history, Economic growth, Inequality and poverty, Demographics, Labor market and gender issues, Urbanization and infrastructure, Environment and climate, State-owned enterprises, Political institutions, Corruption and favoritism, Media, propaganda, and censorship, International trade and export economy, Investments and development aid, Global governance.		2 WLH
Examination: Term Paper (max. 15 pages, 70 %) with presentation including oral peer discussions of papers (approx. 30 minutes, 30 %) Examination prerequisites: Regular attendance and presentation of research plan		6 C
Examination requirements: Students must demonstrate an overview on a specific strand of the literature on China's economic and political development. By updating and/or extending a recent paper, students demonstrate their ability to apply econometric methods and their ability to go beyond the results of previous research, which they critically reflect on in a term paper. In presenting the term paper, they show their ability to concisely present complex theoretical and/or empirical concepts. Moreover, during oral discussions, students demonstrate their ability to defend, as well as critically reflect upon arguments from the empirical literature.		
Admission requirements: none	Recommended previous knowledge: Knowledge of Econometrics and statistical software (Stata, R, and/or Python) at Master level	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 15		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0175: International Development Policy	6 C 4 WLH
Learning outcome, core skills: Students learn to analyze international development policies with politico-economic theories and empirical methods. After successful completion, students will have an overview of the state of the art of empirical research on development aid and other international development policies. They will understand and discuss the determinants of aid allocation, up-to-date methods to evaluate aid effectiveness at the macro and micro project level, decision-making at international development organizations, the role of conditionality, and potential reasons for the ineffectiveness of aid projects.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: International Development Policy (Lecture) <i>Contents:</i> The course content may vary slightly depending on current developments. Typically, topics from the following areas are covered: • statement of the “problem” and stylized facts, • determinants of aid giving, • allocation of aid across countries, • allocation of aid within countries, • aid effectiveness, • side effects of aid, • emerging bilateral donors, • non-state actors, • international development organizations, • debt relief, • trade policy, • migration and humanitarian crises, • long-run effects of colonialism, and • impact evaluations of development aid projects and programs.	2 WLH
Course: International Development Policy (Exercise) <i>Contents:</i> The exercise session is used to deepen understanding of concepts and empirical methods used in the lecture, learn how to read scientific papers, and learn how to write policy reports.	2 WLH
Examination: Written examination (60 minutes)	4 C
Examination: Learning journal	2 C
Examination requirements: In the exam, students are expected to summarize, explain and critically discuss academic papers that have been covered in the lecture and/or exercise session. With the policy report, students are expected to demonstrate their ability to synthesize, present and discuss academic research results for a policy audience. Depending on class size, presentation of the policy report can also take place in groups.	

Admission requirements: none	Recommended previous knowledge: Knowledge of Econometrics at BA level, Panel Data Econometrics
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: not limited	
Additional notes and regulations: Explanation Learning journal: Policy report (submit a maximum of 5 pages; presentation in the exercise session; discussion of another policy report).	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0177: Empirical and Experimental Studies in Industrial Organization	6 C 2 WLH
Learning outcome, core skills: This module aims to improve students' understanding of strategic decision-making by firms. It will enable them to understand the strategic structure of a competitive situation and to predict how firms and people will behave in that situation. At the end of the seminar, students will be able to identify market decisions that involve strategic considerations, to model these as games, and to compare predictions from theoretical models with empirical and experimental data.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Empirical and Experimental Studies in Industrial Organization (Seminar) <i>Contents:</i> In this unit, we will study a number of models of strategic interaction between firms and confront their predictions with findings from laboratory experiments and empirical studies. We will also consider whether and how limits in the rationality of the decisions of consumers and firms affect the strategy of firms and their behavior. More specifically, we will study different models of market competition (Bertrand, Cournot, Stackelberg), different types of auctions (English, Dutch, second price), models of collusion and anti-competitive behavior, and models with bounded rationality on the part of consumers and managers.	2 WLH
Examination: Oral Presentation (approx. 30 minutes) Examination prerequisites: Active participation in seminars.	3 C
Examination: Essay (max. 10 pages) Examination prerequisites: Active participation in seminars.	3 C
Examination requirements: Students will choose one article from a list of academic articles in the field of experimental and empirical industrial organization. They will present that article to others along the following lines: 1. aim of the authors and outline of the model that is tested in the article, 2. description of the empirical study or experimental design and of the findings of the experiment or empirical study, 3. overview of and comparison with related experimental and empirical literature, 4. discussion about the findings, their robustness, generalizability, relevance and applicability. Students will then write an essay about their chosen academic article, taking into account discussion during the seminar. The presentation (ca. 30 minutes + 15 minutes discussion) will count for 50% of the grade. The essay (max. 10 pages) will count for the other 50% of the grade.	

Presentation and essay may be in either English or German.

Admission requirements: none	Recommended previous knowledge: Basic knowledge in game theory
Language: English, German	Person responsible for module: Dr. Alexia Gaudeul
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0178: The Problem with Experts	6 C 2 WLH
Learning outcome, core skills: The course will develop students' understanding of the role of experts in a technocratic society. We will try to explain what issues arise, in what sense they are unavoidable, and how to manage and reduce them. The course will also help students to develop their understanding of modern society and of their role in it. The course will finally be an opportunity to train the ability to write a literature review on a topic. In that respect, students will have to summarize and connect different works on the same topic, define their differences and respective contributions, and combine them in a logical and structured way.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: The Problem with Experts (Seminar) <i>Contents:</i> After an introductory lecture, we will present the following lists of main issues with experts, for students to choose from. We will propose a few main academic references for each issue, as a start for a literature review. 1. Unreliable: When are experts wrong and why do they fail to anticipate issues? 2. Untrustworthy: Why is there low trust in experts? Are experts biased and self-serving? 3. Over influential: Are experts too influential in policy-making, and is the technocracy undemocratic? 4. Overconfident: Why experts often exaggerate their knowledge and fail to provide accurate and transparent advice. 5. Uninformative: Why experts often all have the same opinion, and why do they sometimes all contradict each other. 6. Useless: Why advice from experts is often inapplicable, ineffective, unsolicited and unwelcome. 7. Distant and unintelligible: How do experts differ from the general population, why that matters, and why is it so difficult to understand them?	2 WLH
Examination: Oral Presentation (approx. 30 minutes) Examination prerequisites: Active participation in seminars.	3 C
Examination: Essay (max. 10 pages) Examination prerequisites: Active participation in seminars.	3 C
Examination requirements: Students will choose one from a list of problems with experts. For each problem, we will provide a short list of associated academic articles. Students will use this to present a review of the literature on the problem along the following lines: 1. What is the problem, its background and context? 2. What theories have been advanced to explain the issue?	

3. Have those theories been tested, and what are the main findings from those tests? Which theory or combination of theory offers the best explanation for the problem? 4. What are the possible solutions to the problem? 5. What are the remaining unresolved questions from the literature? Students will then write an essay about their chosen problem, taking into account discussion during the seminar. The presentation (ca. 30 minutes + 15 minutes discussion) will count for 50% of the grade. The essay (max. 10 pages) will count for the other 50% of the grade. Presentation and essay may be in either English or German.	
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Admission requirements: none	Recommended previous knowledge: none
Language: English, German	Person responsible for module: Dr. Alexia Gaudeul
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0179: Seminar Monetary Economics		6 C 2 WLH
Learning outcome, core skills: After successful completion of the course students have achieved following competences: • understand complex questions in monetary economics and communicate their knowledge both in written form and verbally, • understand complex empirical econometric models that are used in the literature and explain how theoretical models are used answer specific research questions, • participate actively in discussions with qualified contributions and comment on the contents of the other presentations.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Monetary Economics (Seminar) <i>Contents:</i> In this seminar students review the literature on selected topics in monetary economics.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (approx. 20 minutes) Examination prerequisites: Regular attendance. Active in discussions.		6 C
Examination requirements: The students should be able to elaborate on a recent topic independently. This process involves literature research, scientific work and writing and the appropriate oral presentation of the written paper.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 20		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0180: Methods in Advanced Microeconomics		6 C 4 WLH
Learning outcome, core skills: The students: • acquire the formal methods which are required for an advanced course in microeconomic theory, • understand the logic of formal statements, • are familiar with the definitions and results in multivariable calculus, • can apply the methods to basic economic problems.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Methods in Advanced Microeconomics (Lecture) <i>Contents:</i> This course will cover the following topics on a graduate level: • Basics of set theory, topology, logic and proof techniques • Revision of one-variable calculus • Multivariable calculus • Basics of static optimization • Additional topics, e.g., fixed points and tools for comparative statics		2 WLH
Course: Methods in Advanced Microeconomics (Exercise) <i>Contents:</i> The exercises deepen the understanding of the lectures' material and apply the methods to basic economic problems.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: Students need to prove: • the understanding of basic logic and proof techniques, • the knowledge of the presented definitions and formal results in multivariate calculus, • the ability to apply the covered methods to economic problems.		
Admission requirements: none	Recommended previous knowledge: Advanced methods for economists: optimization	
Language: English	Person responsible for module: Dr. rer. pol. Stephan Müller	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: not limited		

Georg-August-Universität Göttingen Module M.WIWI-VWL.0181: Global Production: Firms, Contracts and Trade Structure		6 C 4 WLH
Learning outcome, core skills: After a successful completion of the course students are able to: • understand the impact of contractual incompleteness on the production and sourcing decisions of multinational firms, • explore the effect of institutions on the export behavior of firms, • understand the modern day empirical stylized facts about trade and foreign direct investment.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Global Production: Firms, Contracts and Trade Structure (Lecture) <i>Contents:</i> 1. Made in The World 2. Workhorse Models 3. Contracts and Export Behavior 4. Contracts and Global Sourcing 5. Internalization: the Transaction-Cost Approach 6. Internalization: the Property-Rights Approach <i>Course frequency:</i> each winter semester		2 WLH
Course: Global Production: Firms, Contracts and Trade Structure (Exercise) <i>Contents:</i> In the accompanying practice session students deepen and broaden their knowledge from the lectures. <i>Course frequency:</i> each winter semester		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstrate a knowledge of the classical theoretical models that study the effect of a host country's contracting institutions on a firm's choice of the production location for its intermediate inputs, • show the ability to analyze the empirical results that support the theoretical model.		
Admission requirements: none	Recommended previous knowledge: Microeconomics, International Trade	
Language: English	Person responsible for module: Dr. Zhan Qu	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students:		

not limited	
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Georg-August-Universität Göttingen Module M.WIWI-VWL.0182: Evaluating Development Effectiveness		6 C 2 WLH
Learning outcome, core skills: Students learn about the most recent literature on aid effectiveness considering concrete policy examples. By replicating a paper on development aid effectiveness, students get exposed to the econometric toolkit used to evaluate effective policies and critically assess existing scholarly work. Moreover, students practice presenting research in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Evaluating Development Effectiveness (Seminar) <i>Contents:</i> The course provides an overview of the evolution of the academic literature on development effectiveness and also introduces students to the current policy debate, including the current debate on the Agenda 2030 for Sustainable Development. Students will learn how to provide a clean and systematic overview on the related literature. Moreover, students are introduced to state-of-the-art methods for evaluating development effectiveness and how to critically reflect on data quality and methods. The seminar content varies depending on current developments in the academic and policy debate. Typically, the topics covered include the effects of development aid and policies on economic growth, health, education as well as the private sector. Applications may also cover aid allocation and negative side effects of development cooperation.		2 WLH
Examination: Term Paper (max. 15 pages) with presentation (approx. 20 minutes) Examination prerequisites: Regular attendance.		6 C
Examination requirements: Students must demonstrate an overview on a specific strand of the development effectiveness literature. By replicating a recent paper, students demonstrate their ability to apply econometric methods and their ability to go beyond the results of previous research, which they critically reflect on in a term paper. In presenting the term paper, they show their ability to concisely present complex theoretical and/or empirical concepts. Moreover, during oral discussions, students demonstrate their ability to defend, as well as critically reflect upon arguments from the empirical literature.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I, while facultative, the module M.WIWI-VWL.0175 International Development Policy introduces underlying theories and methods	
Language: English	Person responsible for module: Dr. Lennart Kaplan	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	3 - 4
Maximum number of students: 10	
Additional notes and regulations: Explanation of Course Portfolio: Replication of one research article and discussion of results in a term paper [70%]; Presentation of term paper and oral peer discussions of one paper [30%].	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0183: Geospatial Analysis for Development Economics		6 C 2 WLH
Learning outcome, core skills: The goal of the course is twofold (i) to expose students to a large and relatively new literature in economics that uses geospatial data in innovative ways, and (ii) to provide students with the methodological skills needed to critically assess these papers. The participants will learn to “think spatially” and come up with their own original research questions utilizing spatial methods.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Geospatial Analysis for Development Economics (Seminar) <i>Contents:</i> This course provides an overview of how space is used in empirical economics with a particular focus on development economics. It introduces the basic tools that are employed in geospatial research. We will cover geographic projections, geospatial data types, vector and raster data processing, and a selection of more advanced topics. After obtaining the toolkit, we will then learn how these techniques are applied in development economics and beyond by replicating a selection of influential papers.		2 WLH
Examination: Learning journal Examination prerequisites: Participation in class [at the margin]		6 C
Examination requirements: By writing a take-home exam, students demonstrate a good understanding of the literature in development economics that relies on geospatial data and of the methodological skills needed for such analyses. By a term paper, students demonstrate their ability to replicate a scholarly article in this field and critically discuss it.		
Admission requirements: none	Recommended previous knowledge: Students should be familiar with mathematical statistics, basic econometrics, and development economics. Some experience with R would be very helpful. In particular: M.WIWI-QMW.0004 Econometrics I, M.WIWI-QMW.0005 Econometrics II, M.WIWI-VWL.0008 Development Economics I	
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	
Maximum number of students: 20		

Additional notes and regulations:

Explanation Learning Journal: short term paper [50%]; short take-home exam [50%].

This course is recommended for advanced Master students and open to PhD students.

Georg-August-Universität Göttingen Module M.WIWI-VWL.0184: Empirical Analysis of Conflict and Development		6 C 2 WLH
Learning outcome, core skills: • Students learn about the most recent empirical literature on conflict and development, • students get exposed to the econometric toolkit used to run simple regression analyses, • students will also learn how to best present quantitative results and how to relate them to the most recent literature by writing a seminar paper on their own findings, • moreover, students practice to present and discuss research in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Empirical Analysis of Conflict and Development (Seminar) <i>Contents:</i> The course provides an overview over the most recent literature on conflict and development. Students are introduced to state-of-the-art empirical methods used in this field. They will learn how to critically reflect on data quality and methods. The seminar focus varies depending on current developments in the academic debate, but will always be related to the literature strands on the determinants and consequences of conflict, mostly from a micro-level perspective. Students will elaborate on a newly identified relationship or new theoretical claim from the most recent literature. Students will test the same pre-defined hypotheses, though each student does so for a different country or region. Students will practice to work with data in Stata by running simple regression models. The results of their regression analyses will be used to confirm or falsify the pre-defined hypotheses. The term paper consists of presenting these findings and discussing them with respect to the recent literature. Students will also learn how to critically assess the simple regression models they used and discuss which methods would be more appropriate to identify causal effects.		2 WLH
Examination: Term Paper (max. 15 pages) and presentation (approx. 20 minutes) Examination prerequisites: Regular attendance, written research proposal.		6 C
Examination requirements: • By doing regression analyses of a pre-defined topic within the field of conflict and development, students demonstrate their ability to apply econometric methods and to go beyond the results of previous research, which they critically reflect in a term paper, • in presenting the term paper, they show their ability to concisely present complex empirical concepts, • moreover, during oral discussions, students demonstrate their ability to defend, but also to critically reflect upon, arguments from the empirical literature.		
Admission requirements: none		Recommended previous knowledge: M.WIWI-QMW.0004 Econometrics I,

	M.WIWI-VWL.0008 Development Economics I
Language: English	Person responsible for module: Prof. Dr. Sarah Langlotz
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 10	

Georg-August-Universität Göttingen		6 C
Module M.WIWI-VWL.0185: Seminar in Development Economics		2 WLH
Learning outcome, core skills: The seminar deals with a current topic in development economics and aims to provide students with an overview of important scientific contributions on this topic. Students learn to read and critically assess scientific literature on a particular issue in development economics, develop a coherent argument addressing their research question, improve their academic writing, and learn how to present such work in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar in Development Economics (Seminar)		2 WLH
Examination: Presentation (approx. 20 min) with written elaboration (max. 15 pages) Examination prerequisites: Regular active attendance		6 C
Examination requirements: In the paper, students demonstrate their ability to develop a research question, research and critically review the academic literature on a particular topic, synthesize the results and develop a clear argument backed by the evidence in the literature and write a scientific paper. In the presentation, they demonstrate their ability to present key insights from complex theoretical and empirical papers, and to present and defend an argument on the research question developed from the literature.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: 24		
Additional notes and regulations: The number of participants is usually limited to 24, in exceptional cases the maximum number of participants may be further limited. More detailed information about the course offered in this module will be available in the University Course Catalogue at the beginning of the semester.		

Georg-August-Universität Göttingen		6 C
Module M.WIWI-VWL.0186: Topics in Development Economics		2 WLH
Learning outcome, core skills: The courses deal with different aspects of a relevant economic topic in the field of development economics on the basis of a current issue. For lectures: Students gain an overview of important contributions and in-depth knowledge about current developments related to the topic. Furthermore, students learn to read, critically assess and discuss the scientific literature on the topic. For seminars: Students learn to read and critically assess scientific literature on a particular issue in development economics, develop a coherent argument addressing their research question, improve their academic writing, and learn how to present their work in front of an academic audience.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Topics in Development Economics (Lecture or seminar)		2 WLH
Examination: Term Paper (max. 20 pages) Examination prerequisites: For seminars: regular active attendance		6 C
Examination requirements: For Lectures: Critical discussion and demonstration of solid knowledge of the current topic in the field of Development Economics. For seminars: Independent scientific work on a given topic from the field of Development Economics in written form, presentation of the topic and participation in a discussion.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 24		
Additional notes and regulations: For seminars, the number of participants is usually limited to 24, in exceptional cases the maximum number of participants may be further limited. For lectures, the number of participants is not limited.		

More detailed information about the course offered in this module will be available in the University Course Catalogue at the beginning of the semester.

Georg-August-Universität Göttingen Module M.WIWI-VWL.0187: Social Assistance in Developing Countries	6 C 2 WLH
Learning outcome, core skills: This course aims to provide students with an in-depth overview of the current academic literature on social assistance policies, particularly (conditional) cash transfers, in developing countries. By the end of the course, students will: • be able to describe many social assistance instruments currently applied in the developing world, • be able to discuss whether these instruments are effective in fostering wellbeing of different beneficiaries (e.g. children, unemployed, and elderly) and in different situations (e.g. pandemic, disaster, fragile states), • have gained a basic understanding of the implementation of randomized experiments and how they can be useful in evaluating the effectiveness of policies, • be able to compare conditional and unconditional transfer policies, • understand the importance of various design aspects for the effectiveness of a social assistance policy (e.g. cash vs. in-kind, payment modalities, add-on components, identification of beneficiaries, targeting), • discuss and assess empirical research papers on the topic.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Social Assistance in Developing Countries (Seminar) <i>Contents:</i> Social assistance programs have become increasingly popular to stabilize incomes and increase prosperity in developing countries over the past two decades. In this seminar, we focus on conditional and unconditional cash transfer. We will discuss aspects of the implementation, design, and targeting of such transfers. In a series of specialized topics, we will then unravel how effective cash transfers are to improve poverty-related outcomes in different regions, in post-conflict settings, during pandemics, and as disaster relief. We will also discuss issues such as the behavior of voters in response to assistance policies, compare cash transfers and active labor market policies, and shed light on the ambiguous effect of cash transfers on female (economic) empowerment as well as gender-based violence. Moreover, we will examine the widespread hypothesis that recipients of unconditional transfers lack the incentive to work or to care for their economic future self-responsibly.	2 WLH
Examination: Presentation (approx. 30 minutes) with written elaboration (max. 15 pages) Examination prerequisites: Regular attendance, discussion of another student's seminar paper	6 C
Examination requirements: In the term paper, students are expected to address a self-chosen research question (within the scope of an assigned topic). Term papers should be analytical and critical, develop a coherent argument, draw own conclusions, and should go beyond the pure	

summary of existing literature. During the seminar, students are expected to present the core concepts and main findings from their term paper in a concise and educational way.

Admission requirements: none	Recommended previous knowledge: Advanced knowlege in microeconomics, M.WIWI-VWL.0009 Development Economics II, ability to read scientific articles
Language: English	Person responsible for module: Prof. Dr. Andreas Fuchs
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4
Maximum number of students: 10	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0188: Ethics and Security in “Field Research” for Development Economics		6 C 2 WLH
Learning outcome, core skills: The course is tailored to raise students' awareness of potential security and ethical challenges in field research and how they are intertwined. Although those challenges are very context-specific, the course provides students with toolkits for better planning and reflection as well as knowledge about the relevant support structure. After successful completion, students will have an overview on the most frequent ethical and security issues in field research, how to incorporate security and ethical considerations in their own planning, and where to look for further guidance.		Workload: Attendance time: 18 h Self-study time: 162 h
Course: Ethics and Security in “Field Research” for Development Economics (Seminar) <i>Contents:</i> The course covers established concepts as well as current developments on ethical and security aspects of field research in the following areas: introduction to research ethics and the main challenges/dilemmas; positionality; cooperation with local scientific partners; working conditions of field research staff; security; ethical conduct when interacting with local research populations. Students practice to critically reflect and discuss ethical as well as security aspects and learn how to apply them to real-world research projects.		2 WLH
Examination: Term Paper (max. 12 pages) Examination prerequisites: Regular attendance		6 C
Examination requirements: In the term paper, students will summarize, explain and critically discuss ethical and security challenges that have been covered in the seminar. Moreover, students need to demonstrate their ability to apply those concepts to their own or a hypothetical research project writing. Students are required to ground their reflections in theoretical considerations of ethics and critically review other academic work.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-VWL.0008 Development Economics I: Macro Issues in Economic Development, M.WIWI-VWL.0009 Development Economics II: Micro Issues in Development Economics	
Language: English	Person responsible for module: Lisa Bogler, Dr. Lennart Kaplan, Ann-Charline Weber	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	

Maximum number of students:	
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Georg-August-Universität Göttingen Module M.WIWI-VWL.0189: Natural Language Processing (NLP) in Macroeconomics		6 C 2 WLH
Learning outcome, core skills: After successful completion of the course, students have achieved the following competencies: • understand basic natural language processing (NLP) questions and techniques and their application to transform textual data into time-series data, • understand complex econometric models used in the literature and explain how NLP is combined with these models to answer specific research questions, • communicate knowledge of these econometric models and the application of NLP within these models in writing and orally, • participate actively in discussions with qualified contributions and comment on the contents of the other presentations.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Natural Language Processing (NLP) in Macroeconomics (Seminar) <i>Contents:</i> Students revise the literature on natural language processing (NLP) with applications to macroeconomics. In the literature, NLP is used to analyse text data from various sources such as news media (e.g. online newspapers), social media (e.g. Twitter messages) or central bank and government press releases. An example of an application in literature would be the text analysis of newspapers. Here NLP is used to determine the content of each newspaper article over a period of several years and to create a news index from it. This news index is in turn integrated into a nowcasting model for improved forecasting of national GDP growth.		2 WLH
Examination: Term paper (max. 15 pages) with presentation (approx. 20 minutes) Examination requirements: Regular attendance. Active in discussions.		6 C
Examination requirements: The students should be able to elaborate on a recent topic independently. The process involves literature research, scientific work, and writing, and the appropriate oral presentation of the written paper.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Tino Berger	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	

Maximum number of students:	
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Georg-August-Universität Göttingen Module M.WIWI-VWL.0190: Seminar Topics in Urban Economics		6 C 2 WLH
Learning outcome, core skills: The course Topics in Urban Economics introduces current topics in the context of urban economics. Students will be assisted to develop an approach to answer relevant research questions in the field. Course participants will gain substantial skills in scientific writing, empirical analysis and the structured scientific approach to a current problem. At the end of the course, students will have extended knowledge and experience in the following aspects: • understanding and discussing fundamentals in urban economics, • developing a research question and the statistical/ empirical approach to address this question, • writing a scientific paper that embeds own results within the existing literature. In addition, students will be offered the chance to expand their skills in statistical and scientific writing software (R and LATEX – <u>not</u> mandatory).		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Seminar Topics in Urban Economics (Seminar) <i>Contents:</i> The course deals with different aspects of a relevant topic from the field of urban economy based on a current issue. Numerous seminar topics deal with issues from the global south. The goal is to teach a fundamental understanding of urban economics through the writing of a short paper on the jointly defined research question. The process is guided and students will be offered support in the independent derivation of a specific topic for their paper and the methodological statistical approach to their analysis.		2 WLH
Examination: Term Paper (max. 15 pages) Examination prerequisites: Regular attendance and presentation (approx. 15 minutes)		6 C
Examination requirements: Independent literature research and critical examination thereof. Presentation of the term paper in the context of a lecture. The students independently describe and reflect on a project or research topic on a scientific issue. The presentation is to be regarded as a preliminary examination and the written paper as an examination.		
Admission requirements: none	Recommended previous knowledge: Basic skills in Statistics	
Language: English, German	Person responsible for module: Dr. Jan Christian Schlüter	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3	

Maximum number of students:	
10	

Additional notes and regulations:
The course language in the seminar is English. If desired, the term paper can also be written in German.

Georg-August-Universität Göttingen Module M.WIWI-VWL.0191: Seminar Advanced Topics in Urban Economics	12 C 4 WLH
Learning outcome, core skills: The course Advanced Topics in Urban Economics aims at teaching current topics in the context of urban economics. Students will be guided to develop and discuss a scientific approach to answer urgent research questions in the field. This process will require in-depth literature reviews, continuous discussions within the course and critical thinking towards current problems and solutions. The course participants will gain substantial skills in scientific writing, empirical analysis and the structured approach to a current problem. At the end of the course, students will have extended knowledge and experience in the following aspects: • elaborating and structuring current issues in the context of urban economics, • developing a research question and the structure of a paper, • conceptualizing and executing a statistical/ empirical analysis, • applying concepts and tools from the field of quantitative methods or complexity science to the research question, • discussing and placing own results within the existing literature. In addition, students will be able to expand their skills in statistical and scientific writing software (R and LATEX – not mandatory).	Workload: Attendance time: 56 h Self-study time: 304 h
Course: Seminar Advanced Topics in Urban Economics (Seminar) <i>Contents:</i> The course deals with specialized aspects of a relevant topic from the field of urban economics based on a current issue. Numerous seminar topics deal with issues from the global south. The basic insights from the Topics in Urban Economics seminar are taken up in this course and analyzed in the context of high-dimensional data using statistical and econometric methods. The course will present several current problems and discuss potential solutions, thereby deriving the individual research questions jointly with a thorough literature review performed as a self-study. The conceptualization of the required paper and the empirical approach to the research questions will be done under close supervision. The paper writing and analysis will be guided and after first results a mandatory presentation will be due. This presentation is intended to introduce, share and discuss the approach, results and problems with the entire course. The course is completed after the submission of the required paper.	4 WLH
Examination: Term Paper (max. 30 pages) Examination prerequisites: Regular attendancen and presentation (approx. 15 minutes)	12 C
Examination requirements:	

Independent literature research and critical examination thereof. Presentation of the term paper in the context of a lecture. The students independently describe and reflect on a project or research topic on a scientific issue. The presentation is to be regarded as a preliminary examination and the written paper as an examination.	
Admission requirements: none	Recommended previous knowledge: Basic skills in Statistics, Topics in Urban Economics
Language: English, German	Person responsible for module: Dr. Jan Christian Schlüter
Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 3
Maximum number of students: 10	
Additional notes and regulations: The course language in the seminar is English. If desired, the term paper can also be written in German.	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0193: The Economics of Health and Aging		6 C 2 WLH
Learning outcome, core skills: After a successful participation, students have a deeper understanding of the mechanisms that underly human aging and its implications for economic behavior. This interdisciplinary course provides students with the gerontological and biological foundation of the aging process as well as the basic concepts of health economics.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: The Economics of Health and Aging (Lecture) <i>Contents:</i> In this course, we will study basic models of health and aging and confront their implications with empirical evidence. We will analyze questions such as: • How do we age? • Which consequences does aging have for economic behavior? • How is health measured and what shapes the demand for health? • How do men and women differ in health and aging? • Which implications does health have for institutions and the macroeconomy? Table of contents: 1. Basic Models of Health Demand 2. Models of Aging and Longevity 3. Aging Patterns Around the World 4. Applications: - The Preston Curve - The Genesis of the Golden Age - The Cardiovascular Revolution - Disentangling the Gender Gap in Longevity - Health and Technology 5. Health and Development 6. Health and Institutions		2 WLH
Examination: Oral examination (approx. 20 minutes) or written examination (90 minutes)		6 C
Examination requirements: Students should demonstrate: • a profound knowledge of the basic concepts of health and aging, • the ability to discuss propositions around the key concepts presented during the course, • the ability to solve problems in a verbal, graphical and analytical manner.		
Admission requirements: none	Recommended previous knowledge: Mathematics for economists and econometrics as taught in the Bachelor's degree courses	
Language:	Person responsible for module:	

English	Dr. Johannes Schünemann
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Georg-August-Universität Göttingen Module M.WIWI-VWL.0194: Field Research in Development Economics		6 C 3 WLH
Learning outcome, core skills: Students will acquire specific skills necessary for designing and conducting field research in topics of public health and development economics with a particular focus on developing countries. After completion of the module, they will be able to put together a research proposal, reflect on ethical implications of the proposed research, choose a suitable study design, and design survey tools.		Workload: Attendance time: 42 h Self-study time: 138 h
Course: Field Research in Development Economics (Seminar) <i>Contents:</i> The course focuses on building up core skills for planning and implementing a research project around health, education, or development more broadly. The students (assigned to small groups of 2-5 students each) set up a research protocol for their own small-scale research project (including ethical considerations and application for IRB approval), write project proposals and terms of reference for funding and overseeing institutions (such as ethical committees) and develop effective tools for policy communication. A particular emphasis is placed on research methodology and quantitative skills pertinent to data collection and evaluation needs, such as sampling methodology (power calculations, sampling design), randomized assignment (units of randomization, balance checks), and causal inference for experimental designs (treatment effect estimation, dealing with treatment noncompliance, attrition, and other threats to internal validity). At the end of the course each student group will have elaborated a project portfolio ready for application with funding agencies.		3 WLH
Examination: Portfolio (max. 25 pages per person) Examination prerequisites: Regular attendance, active participation in class, presentation of work in progress		6 C
Examination requirements: Students should demonstrate the ability to independently plan a research project. Their portfolio will include a research proposal, study protocol, analysis plan, ethical clearance proposal, survey instruments, implementation plan.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of statistics and econometrics	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	

Maximum number of students:	
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Georg-August-Universität Göttingen Module M.WIWI-VWL.0195: Design of Socio-Economic Surveys	6 C 2 WLH
Learning outcome, core skills: The seminar Design of Socio-Economic Surveys introduces essential topics of quantitative survey methodology and techniques with a focus on practical aspects of data collection. It will provide knowledge on the design and the organization of surveys for collecting representative quantitative survey data in the context of low- and middle-income economies. The emphasis will be placed on how to minimize different sources of error in survey design and implementation. The course should prepare students to conduct empirical research projects in line with scientific standards and to assess issues of survey design encountered in applied work. After completing the seminar, students will also be able to assess various empirical studies in economics from the perspective of survey design. The course will not cover the analysis of survey data.	Workload: Attendance time: 28 h Self-study time: 152 h
Course: Design of Socio-Economic Surveys (Seminar) <i>Contents:</i> Block course: The meeting will introduce the basics of survey design and ethical considerations, explain sample design strategies, introduce questionnaire design, discuss the organization of data collection, issues of nonresponse, survey-weights and post-collection processing of survey data. Individual and group work: In what follows, the seminar will contain self-directed but supervised work, including group-work, that consists of (i) preparing a module of survey questions on a selected topic and writing a risk assessment and budgetary plan for the survey, and (ii) analyzing the benefits and limitations that empirical analyses face that rely on pre-existing survey instruments. Weekly office hours by appointment. Presentations: Group presentations as part of the examination (see below). Active discussion of the presentations. Submission: Submission of the individual written elaboration of the survey design.	2 WLH
Examination: Presentation (approx. 20 minutes in group work) with written elaboration (max. 15 pages in individual work) Examination prerequisites: Regular attendance and active participation in discussions.	6 C
Examination requirements: Group presentation: the presentation will focus on own survey design. Groups will be asked to (i) present own questionnaire module on a selected topic, (ii) identify and compare the existing secondary surveys on the same topic, (iii) assess the potential threats. Individual written elaboration: the written elaboration will consist of two parts: (i) documentation of the own survey design, including a sampling design, questionnaire, budget calculation and a risk analysis as a follow-up on the group work (max. 7 pages); (ii) critical evaluation of a selected published article	

in economics with a special focus on the congruence between the research objectives of the paper and the implemented survey instruments (max. 8 pages).	
Admission requirements: none	Recommended previous knowledge: Basic skills in statistics
Language: English	Person responsible for module: Dr. Zaneta Kubik
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4
Maximum number of students: 15	

Georg-August-Universität Göttingen Module M.WIWI-VWL.0196: African Development		6 C 2 WLH
Learning outcome, core skills: After successful completion of the course, students are able to apply theoretical concepts and empirical tools of (development) economics to questions of African economic development. They can critically evaluate relevant empirical evidence. Further, students know how to design a poster on a specific study or issue and they are able to concisely summarize and present the poster content.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: African Development (Lecture) <i>Contents:</i> This course addresses issues of economic development relevant in the African context. It discusses the current issues and trends in African development as well as the impact of historical legacies. The course puts emphasis on economic development as structural change. Selected issues may include but are not limited to the following: • Historical legacies and (post-) independence • Structural adjustment • Economic growth and structural change • Poverty and inequality • Demographic challenges • Recent structural transformation and employment • Trade and foreign direct investment • Digitalization and development The course combines lectures with integrated exercises that deepen the understanding of selected issues area, empirical applications and approaches. In these exercises, students will develop and present a poster.		2 WLH
Examination: Oral examination (approx. 15 minutes) Examination prerequisites: Poster presentation		6 C
Examination requirements: In the poster presentation, students demonstrate their ability to develop a coherent argument using key insights from an academic paper or on a selected issue area. They can concisely highlight these key insights and pitch them to their fellow students. They can also discuss the main topics with their fellow students. In the oral examination, students demonstrate their ability to apply their empirical and theoretical knowledge to questions of African economic development.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in macroeconomics, microeconomics, econometrics, and growth and development	

Language: English	Person responsible for module: apl. Prof. Dr. Jann Lay
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3

Georg-August-Universität Göttingen Module M.WIWI-VWL.0197: Advanced Topics in International Trade		6 C 3 WLH
Learning outcome, core skills: Firstly, students will have a comprehensive knowledge of the core trade models. After taking the course, they are expected to be able to define and interpret the key features and the limits of the international trade theories learned in this course. Secondly, they are expected to have a good understanding of the empirical tools used in international economics. They are expected to be able to apply and integrate the knowledge learned in this course to conduct independent research. Thirdly, they will improve their competencies in scientific writing and presentation skills.		Workload: Attendance time: 42 h Self-study time: 138 h
Course: Advanced Topics in International Trade (Lecture) <i>Contents:</i> Our first goal is to introduce canonical models in international trade. A tentative list of topics includes the gravity equation, neoclassical trade theory, trade and labor markets, economic geography, and the role of firms in international trade. The second goal is to present the empirical tools used in international trade. A tentative list of topics includes the US-China trade war, trade and labor market, trade and environment, the EU energy crisis and trade diversion, and the gravity equation. Students will also get familiar with several widely used trade-related datasets and learn how to conduct empirical analysis. Our third goal is to introduce frontier research to students. We will draw on some recent academic papers from international trade, which will allow students to have a good understanding of cutting-edge research and help students outline future research questions.		3 WLH
Examination: Portfolio (assignment extensive reading (1), assignment intensive reading or replication (2.1 or 2.2))		6 C
Examination requirements: Assignment 1 (compulsory, 30 %): extensive reading, summarize papers on one specific topic (15 pages of slides; written text is not required). Assignment 2.1 (compulsory, 70 %): intensive reading. Choose two papers from a given list and write two summary reports (3-6 pages in total) or Assignment 2.2 (compulsory, 70 %): replication. Replicate one empirical paper and write a replication report (5 pages).		
Admission requirements: none	Recommended previous knowledge: Microeconomics, Econometrics	
Language: English	Person responsible for module: Prof. Dr. Lei Li	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	2 - 3
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Georg-August-Universität Göttingen Module M.WIWI-WB.0001: Scientific Programming		3 C 1 WLH
Learning outcome, core skills: The students: • know the basic structure and operations of the programming environment MATLAB as well as the most important methods for programming with matrices, • learn the basic concepts and ways of thinking in scientific programming, • learn how to efficiently make use of advanced development tools such as the debugger and the profiler, • are able to visualize problems and create professional graphics, • are able to independently solve problems in MATLAB by their own programming – for example as part of a scientific paper.		Workload: Attendance time: 18 h Self-study time: 72 h
Course: Scientific Programming (Computer Exercise) <i>Contents:</i> The practical computer course provides a fundamental introduction to scientific programming with the statistical software “MathWorks MATLAB”. Using the Basic programming language is a great way to teach the essential concepts of programming and numerical data processing, and it allows students to acquire skills required in quantitative sciences. Modern lecture slides available in German and English languages, which include practical exercises, are used. By using the course material, the participants will be motivated to focus on the concepts, and they will be able to track their own progress during the course. <i>Topics</i> 1. Graphical User Interface 2. Data and Operations 3. Functions 4. Programming Concepts 5. Development Tools 6. 2D- und 3D-Graphics 7. Advanced Solving Algorithms		1 WLH
Examination: Written examination (60 minutes)		3 C
Examination requirements: Knowledge of the usage and functionality of MathWorks MATLAB. Application of MATLAB's built-in operations and functions. Knowledge of importing, processing and statistical analysis of data. Solving short – even graphical – programming tasks. Knowledge of programming concepts such as loops and branches. Knowledge of a “good programming style”.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge in statistics and mathematics	
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	

Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen Module M.WIWI-WB.0005: Advanced Topics in Stata		6 C 2 WLH
Learning outcome, core skills: At the end of the course students will: • be experts at using basic data manipulation commands and creating well formatted output, • be proficient with basic programming skills (using macros, looping and branching), • have a good understanding of the particularities of survey data and know how to analyze it, • be able to debug any Stata code, • know how to extend Stata by writing own subroutines, such as estimation or postestimation commands, • be experienced with fundamentals of Mata programming.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Advanced Topics in Stata (Computer lab session) <i>Contents:</i> We will start by refreshing participant's knowledge regarding the basic functions of Stata, including the use of macros, loops and if-then statements (branching). As this section of the course will have to be very brief, participants are encouraged to review basic Stata commands before the start of the course and use this first part of the course as an opportunity to ask questions. The second part of the course will then introduce students to the basics of programming, in particular by making use of Stata's <i>syntax</i> command. In a range of exercises students will have the opportunity to write their own commands and thereby gain a deeper understanding of Stata. Finally, students will be introduced to the fundamentals of Mata (an in-built Matrix language) and learn how to implement Mata routines in Stata programs.		2 WLH
Examination: Practical examination (max. 10 pages) Examination requirements: • Ability to make use of macros, loops and if-then statements, • ability to apply knowledge attained in class to a number of short programming exercises.		4 C
Examination: Oral Presentation (approx. 15 minutes) Examination requirements: • Demonstrate understanding of fundamentals of Mata programming.		2 C
Admission requirements: none	Recommended previous knowledge: Basic knowledge in Stata	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

twice	1 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen Modul M.WIWI-WB.0007: Seminar interdisziplinäre Arbeit <i>English title: Seminar Interdisciplinary Work in Economics</i>		6 C 4 SWS
Lernziele/Kompetenzen: Die Teilnehmenden lernen ein Forschungsthema aus interdisziplinären und internationalen Perspektiven kennen. Sie können verschiedene theoretische Konzepte aufeinander beziehen und kennen den aktuellen Forschungsstand der jeweiligen Thematik. Die Teilnehmenden bringen sich selber aktiv in die Diskussion ein und verstehen, wie forschungsnaher, wissenschaftlicher Diskurs funktioniert. Sie fühlen sich ermutigt, diesen zu rezipieren, kritisch zu reflektieren und Anknüpfungspunkte zu sehen, um zukünftig am Diskurs teilzunehmen. Durch Austausch mit Studierenden und Referierenden anderer Universitäten und Disziplinen sind die Teilnehmenden in der Lage, Herangehensweise anderer Forschungsmethoden in ihrem eigenem Fachstudium zu reflektieren.		Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Seminar interdisziplinäre Arbeit (Interdisziplinäres internationales Intensivformat) <i>Inhalte:</i> In diesem internationalen Intensivformat haben Teilnehmende die Möglichkeit, heterodoxe ökonomische, wie auch interdisziplinäre und internationale Ansätze kennen zu lernen. Das Konzept wird hierbei einerseits durch externe, kritisch-heterodoxe ExpertInnen getragen, die in interaktiven Workshops und Vorträgen in ihre jeweiligen spezifischen Thematiken einführen. Hierbei wird aktuelle Forschung mit Studierenden diskutiert und somit der wissenschaftliche Diskurs vorangetrieben und kritisch reflektiert. Auch die Prüfungsleistungen zielen auf eine innovative Auseinandersetzung mit Forschung und Lehre ab: Teilnehmende arbeiten am Forschungsstand des jeweiligen Themas mit und können ihre Fragen und Anregungen direkt mit ExpertInnen diskutieren.		4 SWS
Prüfung: Hausarbeit (max. 20 Seiten) Prüfungsvorleistungen: Regelmäßige Teilnahme		6 C
Prüfungsanforderungen: Selbstständige Erarbeitung einer schriftlichen Seminararbeit nach grundlegenden Standards des wissenschaftlichen Arbeitens.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer	
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4	
Maximale Studierendenzahl:		

15	
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Georg-August-Universität Göttingen Modul M.WIWI-WB.0010: Ausgewählte Fragestellungen der Wirtschaftswissenschaften <i>English title: Selected Topics in Economic Sciences</i>		3 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs im Gebiet Wirtschaftswissenschaften. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Wirtschaftswissenschaften, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltung: Ausgewählte Fragestellungen der Wirtschaftswissenschaften (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten Themas aus dem Bereich der Wirtschaftswissenschaften anhand einer aktuellen Fragestellung.		2 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine aktive Teilnahme erforderlich.		3 C
Prüfungsanforderungen: • Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Wirtschaftswissenschaften bezogen auf die jeweilige aktuelle Fragestellung, • Übertragung der Konzepte auf praxisrelevante Beispiele, • kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, • bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Wirtschaftswissenschaften in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	

Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 24	
Bemerkungen: Maximale Studierendenzahl bei Seminaren: 24. Keine Teilnehmerbeschränkung bei Vorlesungen. Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.	

Georg-August-Universität Göttingen Modul M.WIWI-WB.0011: LaTeX - Von den Grundlagen zur Erstellung von Abschlussarbeiten und Präsentationen <i>English title: LaTeX – From the Basics to Writing Theses and Creating Slides for Presentations</i>		3 C 2 SWS
Lernziele/Kompetenzen: Nachdem Studierende die Veranstaltung besucht haben, sind sie in der Lage mit Hilfe des Textsatzsystem LaTeX ihre Bachelor- oder Masterarbeit (mit allen dazugehörigen Textteilen) sowie wissenschaftliche Präsentationen zu erstellen.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltung: LaTeX - Von den Grundlagen zur Erstellung von Abschlussarbeiten und Präsentationen (Vorlesung) <i>Inhalte:</i> Der Kurs gibt eine Einführung in das Textsatzsystem LaTeX. Ziel des Kurses ist es, umfangreiche Abschlussarbeiten und Präsentationen eigenständig erstellen zu können. Behandelt werden in diesem Kurs u.a.: • Installation eines LaTeX-Systems, • Grundlagen und Fehleranalyse, • Aufbau sinnvoller Dokumentstrukturen, • Dokumentklassen und deren Unterschiede, • Formelsatz, • Einbinden von Grafiken und Tabellen, • Erstellung von Verzeichnissen und Referenzen, • Erstellung von Präsentationsfolien. Der Kurs besteht aus einem Vorlesungsteil und Übungseinheiten am Rechner, bei denen die Teilnehmer direkt mit dem neu erlernten Wissen experimentieren.		2 SWS
Prüfung: Praktische Prüfung Erstellung eines wissenschaftlichen Textes (max. 10 Seiten) und von Präsentationsfolien (ca. 10 Folien) mit LaTeX und Präsentation (ca. 10 Min), unbenotet		3 C
Prüfungsanforderungen: • Nachweis der Fähigkeit der Anwendung der im Kurs erlernten Techniken zur Erstellung von Abschlussarbeiten und Präsentationen mit LaTeX, • Nachweis der Fähigkeit zur Fehleranalyse bei der Kompilation von LaTeX-Dokumenten, • Nachweis der Erstellung effizienter Präambeln, • Nachweis der Fähigkeit Software und Dokumentation rund um LaTeX zu finden, installieren und anzuwenden.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Computergrundkenntnisse	
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer	

Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 20	
Bemerkungen: Studierende, die das Modul B.WIWI-WB.0008 absolviert haben, können im Master-Studiengang das Modul M.WIWI-WB.0011 nicht belegen.	

Georg-August-Universität Göttingen Module M.WIWI-WB.0012: Diverse Perspectives and Critical Reflections on 'Development' and 'Development Economics'		6 C 2 WLH
Learning outcome, core skills: The seminar looks at a particular aspect of 'development' or 'development economics' from the perspectives of different neighbouring disciplines and aims at providing the students with an overview of the diverse perspectives. Students get to know different approaches and methodologies and learn to contrast, critically examine and synthesis these. Furthermore, students learn to read and critically assess scientific literature of different disciplines, develop a coherent argument taking the various perspectives into account and improve their academic writing. By the end of the course, students will have a more holistic understanding of the topic, are able to contextualize different perspectives and to engage in contemporary discourse across disciplines.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Diverse Perspectives and Critical Reflections on 'Development' and 'Development Economics' (Seminar) <i>Contents:</i> The seminar discusses an aspect of 'development' and 'development economics' through diverse perspectives. Elements of the course include readings from neighbouring disciplines like anthropology, political science or history on the topic, talks by invited experts from different academic disciplines and in-class discussions. The seminar is a student driven course. Before the start of the course, students choose the exact topic that will be examined. Students are also involved in curating the literature, choosing the experts that are invited and moderating the discussion sessions.		2 WLH
Examination: Term Paper (max. 10 pages) Examination prerequisites: Regular attendance and active participation		6 C
Examination requirements: In the paper, students demonstrate their understanding of various perspectives on a particular topic in development economics, their ability to research and critically review the academic literature of different disciplines on the topic, to critically access the different approaches, synthesize the results, develop a clear argument and write a scientific paper.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Sebastian Vollmer	
Course frequency: irregluar	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	

Maximum number of students:	
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Georg-August-Universität Göttingen Modul M.WIWI-WB.0013: Tätigkeit in der studentischen und akademischen Selbstverwaltung <i>English title: Membership in the Student and Academic Self-Administration</i>		6 C 1 SWS
Lernziele/Kompetenzen: Nach erfolgreicher Teilnahme haben die Studierenden zentrale Kompetenzen in der Planung, Organisation und Präsentation erworben und sind auf die erfolgreiche Mitwirkung an der Aufgabenerfüllung komplexer Selbstverwaltungsstrukturen in Studierendenschaft und Universität vorbereitet. Im Praxisteil erlangen die Studierenden vertiefte Kenntnisse in Moderationstechniken, Gesprächsführung und im Entscheidungsverhalten. Sie haben den Umgang mit Konflikten im eigenen Team und anderen Interessenvertretungen erlernt und ihr Kommunikationsverhalten weiterentwickelt. Nach erfolgreicher Teilnahme des Begleitseminars verfügen die Studierenden über Kenntnisse der Organisationsstrukturen der Universität und deren Gremien.		Arbeitsaufwand: Präsenzzeit: 14 Stunden Selbststudium: 166 Stunden
Lehrveranstaltung: Tätigkeit in der studentischen und akademischen Selbstverwaltung (Seminar) <i>Inhalte:</i> Begleitseminar zur Tätigkeit in der studentischen und/ oder akademischen Selbstverwaltung • Aufbauorganisation der Universität Göttingen: organisatorische Einheiten, Aufgabenverteilung und Kommunikationsbeziehungen (Organigramm), • studentische und akademische Gremien, • ausgewählte Gremien und deren Mitglieder, • Zielsetzung und Aufgabebereiche studentischer und akademischer Selbstverwaltung aus Sicht verschiedener Statusgruppen.		1 SWS
Lehrveranstaltung: Tätigkeit in der studentischen und akademischen Selbstverwaltung (Praxisteil) <i>Inhalte:</i> Aktives Mitglied in der studentischen und/ oder akademischen Selbstverwaltung in einem Umfang von mind. 10 Punkten aus einer der beiden Punktematrizen.		
Prüfung: Essay (Tätigkeitsbericht) (max. 3 Seiten), unbenotet		6 C
Prüfungsanforderungen: Die Studierenden erbringen den Nachweis, dass sie in der Lage sind, praktische Erfahrungen aus ihrer Tätigkeit in der Selbstverwaltung mit theoretischem Wissen zu verknüpfen und zu reflektieren.		
Zugangsvoraussetzungen: Mitgliedschaft im jeweiligen Organ	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]:	

	Studiendekan*in, Fachschaft Wirtschaftswissenschaften, WiWi-O-Phase e.V.
Angebotshäufigkeit: jedes Semester	Dauer: 2 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 30	
Bemerkungen: Punktematrizen und Seminarinhalt laut Beschluss der Studienkommission am 7.12.2022. Es kann entweder das Modul M.WIWI-WB.0013 Tätigkeit in der studentischen und akademischen Selbstverwaltung oder das Modul SK.AS.SK-26 Sozialkompetenz: Engagement in der studentischen Selbstverwaltung / Gremienarbeit eingebracht werden. Das berücksichtigen beider Module für den Abschluss ist nicht möglich.	

Georg-August-Universität Göttingen Module M.WIWI-WB.0014: Interdisciplinary Study of the Climate Neutral City Mission	6 C 2 WLH
Learning outcome, core skills: Students will: • apply insights from different academic disciplines on challenges related to climate adaptation and effective mitigation in a European city, • explain and discuss diverse technologies and interventions at urban/city level to improve performance from a sustainability perspective, • explain and discuss legal, economic and societal drivers and bottlenecks towards climate positive interventions from a range of different (European) perspectives, • in an international and interdisciplinary team with students from across Europe create a coherent proposal for a city-wide approach, • present a proposal to stakeholders invested in energy transition within a city related to the ENLIGHT network, • reflect on personal growth.	Workload: Attendance time: 50 h Self-study time: 130 h
Course: Interdisciplinary Study of the Climate Neutral City Mission (Seminar) <i>Contents:</i> In this course, we want to introduce and discuss the building blocks necessary to consider a complex problem, such as a climate neutral city, and to provide a hands-on, challenge-oriented contribution. The structure is as follows: 1. Introduction to mission driven actions, the study site and its context, and challenge-based learning 2. Building blocks: over a period of 9 weeks both technological and societal building blocks will be introduced by expert speakers from 9 different institutions across Europe; each session is followed by a group reflection activity 3. Action: over the course of one immersion week, the students will gather in international and interdisciplinary teams to elaborate a case study on a European city within the ENLIGHT network, this can involve a topic (water, energy, etc.) or a district. The case study is elaborated into a presentation, presented by the students to a panel including also societal actors.	2 WLH
Examination: Presentation (of case study, approx. 25 minutes) with written elaboration (max. 5 pages) Examination prerequisites: Regular attendance in teaching activities and the immersion week.	6 C
Examination requirements: The course consists of online lectures provided by international partners of the ENLIGHT network spanning key aspects related to achieving climate neutrality at city level. Students are expected to work together in international and interdisciplinary teams to create a proposal to solve a challenge associated with this topic that includes societal, legal, economic, technological considerations. For this, students will be grouped in	

teams, which will meet during one on-site immersion week to develop their case study and present it. The final grade will be determined by the quality of the oral presentation (50%) and the report containing the personal reflection and self-evaluation (50%).	
Admission requirements: none	Recommended previous knowledge: none
Language: English	Person responsible for module: Prof. Dr. Kilian Bizer, Prof. Dr. Inga Moeck
Course frequency: irregular	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2
Maximum number of students: 45	
Additional notes and regulations: This course takes place within the context of the European Universities network ENLIGHT. 5 Students of each of the nine partner universities will be able to participate in this course. Students interested in participating should get in touch with the persons responsible for the module. Each iteration of the course will have a different regional focus; the on-site immersion week will accordingly take place in a different European city in each iteration of the course. Number of repeat examinations permitted: Once. Second examination opportunity: Thorough reworking of the case study or elaborating an individual case study.	

Georg-August-Universität Göttingen Modul M.WIWI-WB.0015: Wärmewende für den Klimaschutz: Interdisziplinäre Folgenabschätzung der Geothermie <i>English title: Transitions in Heat Supply for Climate Protection: Interdisciplinary Impact Assessment of Geothermal Energy</i>	6 C 2 SWS
Lernziele/Kompetenzen: - Studierende aus verschiedenen Disziplinen (Geologie, VWL) wenden gemeinsam ihre Fachkenntnisse an, um den Herausforderungen der Nutzung von Geothermie für Wärmegewinnung als Maßnahme des Klimaschutzes interdisziplinär zu begegnen (challenge-based-learning), insbesondere für eine dezentral organisierte Wärmeversorgung durch Kommunen. Sie erlangen einen Überblick über die Förderlandschaft für klimaneutrale Wärmeversorgung in Deutschland und auf EU-Ebene, - sie sind in der Lage, verschiedene technologische Lösungen und regulatorische Interventionen auf kommunaler Ebene bzw. Ebene der Bundesländer, des Bundes oder der EU zu erklären und kritisch zu diskutieren, um zu einer nachhaltigeren Wärmegewinnung jenseits fossiler Brennstoffe zu finden. Sie erlangen die Fähigkeit, technologische Konzepte und Entwicklungen, und ihre gesellschaftlichen Folgen insbesondere im Hinblick auf nachhaltige Entwicklung sowie der gesellschaftlichen Treiber und Hemmnisse zu erklären und kritisch zu diskutieren, - geowissenschaftliche und volkswirtschaftliche Studierende arbeiten gemeinsam in Teams, um auf interdisziplinäre Zusammenarbeit vorzubereiten und die Wärmewende mit Geothermie als ganzheitliche Aufgabe zu verstehen, - die Studierenden präsentieren verschiedene Vorschläge, wie die breitere Nutzung von Geothermie in der Stadt Göttingen umgesetzt werden könnte, - die Studierenden lernen, die Rolle ihrer Disziplin bei der Lösung solch komplexer Fragestellungen zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 50 Stunden Selbststudium: 130 Stunden
Lehrveranstaltung: Wärmewende für den Klimaschutz: Interdisziplinäre Folgenabschätzung der Geothermie (Seminar) <i>Inhalte:</i> In diesem Kurs wollen wir eine Herangehensweise für komplexe Probleme über zentrale Bausteine entwickeln: Im Kontext des Klimaproblems benötigen wir, wo technisch möglich sinnvoll, neue Wärmequellen für das Beheizen und Kühlen von Gebäuden. Der komplexe Umgang mit dieser gesellschaftlichen Herausforderung erfordert das Strukturieren, Organisieren und Bearbeiten vielschichtiger Inhalte im Austausch mit verschiedenen Akteur*innen unterschiedlicher Disziplinen (challenge-based-learning). Die Struktur des Kurses ist wie folgt: 1. Einführung in Technologie der Geothermie, Standortbedingungen für Geothermie, der Anteil der Geothermie an einer klimaneutralen Wärmeversorgung und des Status Quo der Anwendung sowie der Herausforderung im Kontext der Klimaneutralität bis spätestens 2050. Diskussion von technischen Alternativen und Kopplung von Sektoren zur Erreichung der Systemnachhaltigkeit (z.B. Geothermie und Bioenergie).	2 SWS

2. Bausteine: über sechs Wochen hinweg entwickelt das Seminar technologische und ökonomische Bausteine, die von den Studierenden aktiv zu einer standortbezogenen Folgenabschätzung und politischen Handlungsempfehlung entwickelt werden. Die Bausteine sind (1) Geothermische Alternativen für die Wärmegewinnung (2) Geothermie in Göttingen: Voraussetzungen und technische Optionen (3) Potenzialanalyse CO₂-Minderung der Stadt Göttingen/ Landkreis Göttingen (4) sozio-ökonomische Folgenabschätzung (5) Akteursspezifische Verhaltensanalyse (6) Regulatory Choice Problem: Welche Ebene (Kommune, Land, Bund; EU) kann auf welche Weise geothermische Anwendungen voranbringen. Mit der Einführung bilden die Bausteine sieben Veranstaltungen. 3. Aktion: Innerhalb eines dreitägigen Blockseminars adressieren die Studierenden in interdisziplinären Zweiertteams in einer Präsentation einen regulatorischen Vorschlag, der geologisch, technologisch sinnvoll ist und das Verhalten der Akteure berücksichtigt, so dass Geothermie sich leichter verbreiten kann, um den Umstieg von fossilen Brennstoffen (Erdöl, Erdgas) auf klimafreundlichere Wärmegewinnung zu gewährleisten.	
Prüfung: Präsentation (der Fallstudie, ca. 20 Minuten) und Hausarbeit (im Zweierteam, max. 10 Seiten je Teammitglied) Prüfungsvorleistungen: Regelmäßige Teilnahme an den sieben Veranstaltungen und im Blockseminar.	6 C
Prüfungsanforderungen: Der Kurs besteht aus sieben Veranstaltungen, in deren Mittelpunkt die Anwendung des entweder vorab in kurzen Lehrfilmen oder zu Beginn der Veranstaltung vermittelten Stoffes stehen, damit die Studierenden schnell in die An- und Verwendung des Gelernten kommen. Die Studierenden sollen von Anfang an in Zweiergruppen zusammenarbeiten, um den regulatorischen Vorschlag zu entwickeln. Die Endnote wird ermittelt aus der mündlichen Präsentation (50%) und dem Bericht, der den regulatorischen Vorschlag entwickelt (50%).	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Kilian Bizer, Prof. Dr. Inga Moeck
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Maximale Studierendenzahl: 30	

Georg-August-Universität Göttingen		3 C
Module M.WIWI-WB.0016: Growth Econometrics with Stata		2 WLH
Learning outcome, core skills: The aim of this course is to familiarize students with state-of-the-art econometric methods that can be used to estimate empirical models of economic growth. The course provides a brief overview of selected empirical issues related to economic growth and discusses in detail the alternative econometric methods that can be used to empirically investigate these issues. For each empirical question and method, relevant applications from the growth literature will be discussed in lecture and their implementation with Stata will be demonstrated in the computer lab sessions. Successful participants in this course are expected to be familiar with the pros and cons of alternative econometric tools used to estimate cross-country growth regression models and their application in Stata.		Workload: Attendance time: 28 h Self-study time: 62 h
Course: Growth Econometrics with Stata (Lecture) <i>Contents:</i> 1. Selected empirical questions on economic growth 2. Econometrics of growth 2.1 Pure cross sectional regressions: OLS, IV 2.2 Panel data approaches: pooled OLS, fixed effects estimator, random effects estimator, difference and system GMM estimators, mean-group and panel mean group estimators		2 WLH
Examination: Written examination (90 minutes) or oral examination (approx. 20 minutes)		3 C
Examination requirements: In the exam, students are expected to demonstrate their familiarity with and understanding of major econometric tools used in the research on economic growth. In addition, they are expected to write Stata codes to solve a given empirical question and interpret Stata outputs.		
Admission requirements: none	Recommended previous knowledge: Basic knowledge of econometrics	
Language: English	Person responsible for module: Dr. Yabibal Walle	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 20		
Additional notes and regulations:		

Because of the coaching of Stata applications during the lecture and limited space in the computer labs, the maximum number of students is 20.

Georg-August-Universität Göttingen Modul M.WIWI-WB.1000: Praktikum <i>English title: Internship</i>		6 C
Lernziele/Kompetenzen: Die Studierenden haben Kompetenzen im Bereich der projektbezogenen Teamarbeit und des Projektmanagements in einer externen Einrichtung erworben. Das externe Praktikum hat somit das Ziel, die Studierenden mit Verfahren, Werkzeugen und Prozessen der praktischen Anwendung der Inhalte eines wirtschaftswissenschaftlichen Studiengangs sowie dem organisatorischen und sozialen Umfeld der Praxis bekannt zu machen. Die Studierenden haben während des externen Praktikums an der Lösung wirtschaftswissenschaftlicher Anwendungsprobleme mitgearbeitet.		Arbeitsaufwand: Präsenzzeit: 170 Stunden Selbststudium: 10 Stunden
Lehrveranstaltung: Praktikum außerhalb der Universität <i>Inhalte:</i> Das externe Praktikum beinhaltet ein breites Tätigkeitsspektrum und vermittelt einen möglichst umfassenden Einblick in Betriebsabläufe, in denen Absolvent*innen eines wirtschaftswissenschaftlichen Master-Studiengangs eingesetzt werden.		
Prüfung: Praktikumsbericht (max. 10 Seiten), unbenotet Prüfungsvorleistungen: Vorlage eines Zeugnisses des Praktikumsgebers.		6 C
Prüfungsanforderungen: Nachweis über den Erwerb der folgenden Kenntnisse und Fähigkeiten: Vermittlung von Kompetenzen im Bereich der projektbezogenen Teamarbeit und des Projektmanagements in einer außeruniversitären Einrichtung.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 3	
Maximale Studierendenzahl: nicht begrenzt		
Bemerkungen: Details zum organisatorischen Ablauf von Praktika sind in der Anlage der Rahmenprüfungs- und Studienordnung der Master-Studiengänge der Wirtschaftswissenschaftlichen Fakultät geregelt.		

Georg-August-Universität Göttingen Module M.WIWI-WIN.0001: Modeling and System Development		6 C 2 WLH
Learning outcome, core skills: Upon successful completion, students are able to: • describe and explain the principles and elements of modeling techniques and design possibilities of systems, • apply selected methods for modeling systems independently, • select an appropriate method for modeling a task and delineate versus the benefits of other methods, • outline the development of systems in the business environment and to evaluate and to transfer this to related situations, • analyze and reflect critically selected current trends in the field of system development in group work and • work in groups on tasks with the help of acquired communication and organizational skills.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Modeling and System Development (Lecture) <i>Contents:</i> • Basics of systems, models and Software development • System survey (information retrieval and areas of analysis) • Process-oriented analysis and process modeling • Object-oriented analysis and process modeling • Design of systems • Implementation of systems • Integration of systems • Quality management in system development • Configuration management and change management • Cost estimate of system developments		2 WLH
Examination: Written examination (120 minutes) Examination prerequisites: Two successfully passed case studies (max. 12 pages each).		6 C
Examination requirements: Students show in the exam that they • can explain, evaluate and apply theories and concepts for modeling processes, application systems and software, evaluate and apply, • can explain and assess what they learned in the lectures regarding aspects of system development , • can analyze complex problems in system development in a short time and can identify both challenges and solutions, • are able to transfer the approaches taught in the lectures to similar problems.		
Admission requirements: none	Recommended previous knowledge: none	

Language: English	Person responsible for module: Prof. Dr. Matthias Schumann
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0002: Integrierte Anwendungssysteme <i>English title: Integrated Application Systems</i>	6 C 2 SWS
Lernziele/Kompetenzen: Nach erfolgreicher Teilnahme sind die Studierenden in der Lage, • die theoretischen Grundlagen im Zusammenhang mit der Integrationstheorie zu beschreiben und zu erläutern, • wesentliche Aspekte der horizontalen und der vertikalen Integration zu unterscheiden und die Umsetzung in Integrationskonzepte zu erklären, • die wichtigsten Anwendungssystemtypen zu erläutern und zu analysieren, • anhand von praktischen Beispielen die integrierte Informations-verarbeitung in verschiedenen wirtschaftlichen Anwendungen zu erläutern und zu bewerten sowie diese auf verwandte Situationen anzuwenden und zu transferieren, • ausgewählte aktuelle Trends aus dem Bereich der integrierten Informationsverarbeitung zu analysieren und kritisch zu reflektieren und • in Gruppenarbeit mit Hilfe angeeigneter Kommunikations- und Organisationsfähigkeiten Aufgabenstellungen zu bearbeiten.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Integrierte Anwendungssysteme (Vorlesung) <i>Inhalte:</i> • Vorstellung der Grundlagen von Anwendungssystemen und der Integration, IT Governance • Vorstellung der Ziele und Grenzen der Integration sowie unterschiedliche Anwendungssystemarchitekturen und zugrundeliegende Integrationskonzepte • Vorstellung des elektronischen Datenaustausches sowie Einführung in Semantic Web und Ontologien • Darstellung von integrierten Anwendungssystemen im Rahmen von CRM, Unternehmensportalen, Integriertem Debitorenmanagement, Supply Chain Management, Efficient Consumer Response, Integrierter Produktion, Industrie 4.0, Zahlungsverkehrssystemen, Reisevertriebssystemen sowie integrierten Systemen in der Medienindustrie	2 SWS
Prüfung: Klausur (120 Minuten) Prüfungsvorleistungen: Drei erfolgreich testierte Bearbeitungen von Fallstudienbearbeitungen.	
Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung nach, dass sie • Theorien und Konzepte zur Integration von Anwendungssystemen erläutern und beurteilen können. • Komplexe Aufgabenstellungen im Rahmen der integrierten Informationsverarbeitung in kurzer Zeit analysieren und sowohl Herausforderungen als auch Lösungsansätze aufzeigen können. • In der Vorlesung kennengelernte Ansätze auf vergleichbare Problemstellungen übertragen können.	

Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Matthias Schumann
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 2
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0003: Informationsmanagement <i>English title: Information Management</i>	6 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden: • kennen die Rolle und Aufgaben der IT-Organisation innerhalb von Unternehmen, sowie die Veränderungen der letzten Jahre, • kennen die unternehmensinternen, unternehmensexternen und unternehmensübergreifenden Anforderungen an ein modernes Informationsmanagement und können darlegen, welche Defizite in der Praxis häufig existieren, • kennen detailliert das Modell, die Grundsätze und die Ziele des integrierten Informationsmanagements mit seinen Domänen, • können die Konzepte und Werkzeuge des integrierten Informationsmanagements reflektieren, auf eine Problemstellung anwenden und schriftlich dokumentieren, • können wissenschaftliche Artikel aus dem Kontext des Informationsmanagements verstehen und diskutieren, • können wissenschaftliche Fragestellungen des Informationsmanagements mit den Methoden der Wirtschaftsinformatik eigenständig und adäquat bearbeiten.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Informationsmanagement (Vorlesung) <i>Inhalte:</i> • Informationsmanagement - Einführung & Grundlagen • IT-Absatzmanagement • IT-Produktionsmanagement • IT-Beschaffungsmanagement • Strategisches IT Management • Digital Business Management – Einführung & Grundlagen • Digital Resources • Digital Demand • Digital Business Models • Digital Business Ecosystems • Ausgewählte Anwendungsdomänen von Informationssystemen: Smart Mobility, Digital Health, Industrie 4.0 etc. • Highlights / Q&A	2 SWS
Lehrveranstaltung: Informationsmanagement (Übung)	2 SWS
Prüfung: Klausur (120 Minuten) oder mündliche Prüfung (Einzel- oder Gruppenprüfung; ca. 15 Minuten) Prüfungsvorleistungen: Die Anwesenheit bei Gastvorträgen, die im Rahmen des Moduls stattfinden können, ist verpflichtend und gilt als Prüfungsvorleistung. Nichtteilnahme/Abwesenheit bei der Erbringung von Prüfungsvorleistungen kann zum Ausschluss von der Prüfung führen.	6 C
Prüfungsanforderungen:	

Die Studierenden weisen in der Modulprüfung nach, dass sie neben der Wiedergabe von Grundlagen und Konzepten aus dem Bereich des integrierten Informationsmanagements auch in der Lage sind anhand von Fallbeispielen ihr gewonnenes Wissen lösungsorientiert einzusetzen.

Dieses beinhaltet insbesondere den Transfer von Wissen über das Informationsmanagement auf Anwendungsfälle sowie die Anwendung von Werkzeugen aus dem Spektrum der Wirtschaftsinformatik. Ebenso sind die Studierenden in der Lage, kritisch das in den Modellen vorgeschlagene Vorgehen zu würdigen und während der Anwendung auf ein Problemfeld geeignet zu adaptieren.

Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Lutz Maria Kolbe
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 2
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0004: Crucial Topics in Information Management		12 C 2 WLH
Learning outcome, core skills: The students: • know the state of the art as well as future challenges regarding a current research theme in Information Management, • have profound knowledge within the research field they worked upon, • know and understand methods and approaches in order to elaborate on Information Management topics in a scientific manner, • can elaborate research questions systematically by means of scientific methods.		Workload: Attendance time: 28 h Self-study time: 332 h
Course: Crucial Topics in Information Management (Seminar)		2 WLH
Examination: Presentation (approx. 30 minutes) with written elaboration (max. 8000 words) Examination prerequisites: regular attendance; participation on possibly excursions.		12 C
Examination requirements: • Scientific and solution-oriented elaboration of current topics in Information Management, • writing a seminar paper, • oral presentation of the seminar paper's findings, • collaboration with other students in teams.		
Admission requirements: none	Recommended previous knowledge: M.WIWI-WIN.0003 Information Management	
Language: English	Person responsible for module: Prof. Dr. Lutz Maria Kolbe	
Course frequency: every winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3	
Maximum number of students: 20		

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0005: Seminar zur Wirtschaftsinformatik <i>English title: Seminar in Business Informatics</i>		12 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden sind nach erfolgreicher Teilnahme des Moduls in der Lage, • die Grundlagen eines ausgewählten Themas der Wirtschaftsinformatik zu beschreiben und zu erklären, • in der Literatur existierende Erkenntnisse zu einem ausgewählten Themengebiet der Wirtschaftsinformatik auf eine gegebene Problemstellung anzuwenden und bzgl. dieser Problemstellung zu diskutieren, • auf Basis existierender Literatur eigene Erkenntnisse und Lösungsansätze zu einer Problemstellung der Wirtschaftsinformatik zu entwerfen, • gewonnene Erkenntnisse zu einer Problemstellung der Wirtschaftsinformatik zu bewerten, • eine wissenschaftliche Ausarbeitung in Form einer Seminararbeit zu erstellen, • die Arbeitsergebnisse vor einem Auditorium zu präsentieren und • kritische Fragen zum erarbeiteten Themengebiet ad hoc beantworten und in einer Diskussion bestehen zu können.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 332 Stunden
Lehrveranstaltung: Seminar zur Wirtschaftsinformatik (Seminar) <i>Inhalte:</i> • selbständiges Anfertigen einer wissenschaftlichen Hausarbeit im Bereich der Wirtschaftsinformatik • Präsentation der Hausarbeit vor einem Auditorium		2 SWS
Prüfung: Hausarbeit (max. 40 Seiten) mit Präsentation (ca. 20 Minuten + ca. 20 Minuten Diskussion) Prüfungsvorleistungen: Regelmäßige Teilnahme am Seminar.		
Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung nach, dass sie • selbstständig in der Lage sind, eine gegebene Problemstellung der Wirtschaftsinformatik zu analysieren und mit Hilfe wissenschaftlicher Literatur sowie wissenschaftlicher Vorgehensweisen zu lösen, • eigene Lösungen kritisch reflektieren und Alternativen aufzeigen können, • die erarbeiteten Ergebnisse in Form einer Seminararbeit verfassen sowie in Form eines Vortrags präsentieren können, • kritische Fragen zum gehaltenen Vortrag beantworten können und somit zu einem intensiven und konstruktiven akademischen Diskurs beitragen können.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Matthias Schumann	

Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Maximale Studierendenzahl: 30	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0008: Change & Run IT	6 C 4 WLH
Learning outcome, core skills: The students: • know the fundamentals and key concepts of IT Service Management and IT Project Management, • describe and explain the contents of the ITIL® framework and its core elements in detail: Service Value System, Service Value Chain, General Management Practices, Service Management Practices and Technical Management Practices, • demonstrate profound knowledge in IT Innovation Management, agile concepts, and design thinking, • understand and elaborate the success factors for IT Service Management and IT Project Management, • and should be able to apply standard frameworks in the context of IT Service Management and IT Project Management.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Change and Run IT (Lecture) <i>Contents:</i> • Basic elements of IT Service Management • ITIL Service Value System • ITIL Service Value Chain • IT Innovation Management • Business Model Concept & Innovation • Design Thinking • IT Project Management • ITIL Management Practices	2 WLH
Course: Change and Run IT (Tutorial) <i>Contents:</i> • Application of knowledge and best practices of IT Service Management, IT Project Management, and IT Innovation Management, • case studies covering the implementation of ITIL® recommended methods, • deep dive into selected General Management Practices, Service Management Practices, and Technical Management Practices, • live demos of selected information systems that enable ITIL® compliant workflows.	2 WLH
Examination: Written examination (90 minutes) Examination prerequisites: The attendance of guest lectures which may be part of the module are obligatory and are considered an integral part of the examinable contents of the class.	6 C
Examination requirements: In the module examination, the students demonstrate that they are able to reproduce fundamental knowledge and basic concepts of IT Service Management, IT Project Management, and IT Innovation Management. Besides, they can apply acquired knowledge within the lecture and tutorials in a solution-oriented manner. In particular,	

this includes transferring knowledge from the ITIL framework to different fields of application and the utilization of IT service management methods. In addition, the students are able to critically assess the proposed procedures and adapt these to specific problem areas.	
Admission requirements: none	Recommended previous knowledge: none
Language: English	Person responsible for module: Prof. Dr. Lutz Maria Kolbe
Course frequency: every semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: not limited	
Additional notes and regulations: The module is offered in each semester. In the summer term, lecture and tutorial take place regularly, whereas in the winter term only the tutorial is offered, and the lecture must be prepared through self-study which is based on the recorded lecture of the respective previous summer semester.	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0009: Software & Internet Economics <i>English title: Software & Internet Economics</i>	4 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden sind nach erfolgreicher Teilnahme des Moduls in der Lage: • die die Prinzipien der Internetökonomie aus theoretischer und anwendungsorientierter Sicht zu beschreiben und zu erläutern, • die Eigenschaften von digitalen Gütern, Netzwerken und Netzeffekten zu erläutern und anhand von praktischen Beispielen zu erklären, • die wesentlichen ökonomischen Prinzipien der Musikindustrie und die Grundlagen der Wertschöpfung in der Musikindustrie darzulegen, • mögliche Preisstrategien in der Musikindustrie zu bewerten und zukünftige Lösungen aufzuzeigen, • strategische und organisatorische Aspekte des Offshoring der Softwareentwicklung zu reflektieren, • in Gruppenarbeit mit Hilfe angeeigneter Kommunikations- und Organisationsfähigkeiten Aufgabenstellungen zu bearbeiten.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 92 Stunden
Lehrveranstaltung: Software & Internet Economics (Online-Vorlesung) <i>Inhalte:</i> Grundlagen der digitalen Netzökonomie • Eigenschaften digitaler Güter • Chancen und Risiken beim Angebot digitaler Güter • Netzeffekte und Netzeffektmärkte • Anwendungsbeispiel: Digitale Güter Digitalisierung • Grundlagen der Digitalisierung • Daten als Basis von Geschäftsmodellen • Veränderung der Wertschöpfungskette • Multi-Channel-Management • Anwendungsbeispiel: E-Books Die Softwareindustrie • Überblick und ökonomische Prinzipien • Strategien für die Softwareindustrie (z. B. Preis- und Vertriebsstrategien) • Anwendungsbeispiel: Cloud Computing	2 SWS
Prüfung: Klausur (120 Minuten)	4 C
Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung nach, dass sie: • Theorien und Konzepte zur Integration von Anwendungssystemen erläutern und beurteilen können,	

• komplexe Aufgabenstellungen im Rahmen der integrierten Informationsverarbeitung in kurzer Zeit analysieren und sowohl Herausforderungen als auch Lösungsansätze aufzeigen können, • in der Vorlesung kennengelernte Ansätze auf vergleichbare Problemstellungen übertragen können.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Matthias Schumann
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Maximale Studierendenzahl: nicht begrenzt	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0012: Angewandte empirische Forschung <i>English title: Applied Empirical Research</i>		6 C 2 SWS
Lernziele/Kompetenzen: Am Ende der Veranstaltung haben die Studierenden grundlegende Kenntnisse und Erfahrungen, um beispielsweise im Rahmen von Abschlussarbeiten eigenständig empirische Untersuchungen oder im späteren Berufsleben Studien durchzuführen. Die Studierenden haben ein Verständnis von der Formulierung und Überprüfung von Hypothesen sowie von den Möglichkeiten zur Ausgestaltung und Auswertung von Erhebungen.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Angewandte empirische Forschung (Seminar) Inhalte: • Grundlagen empirischer Forschung • Durchführung empirischer Studien • Grundlegende Erhebungsmethoden • Fragebogenentwurf und Operationalisierung • Stichproben und Gütebewertung • Empirie in der BWL und Diskussionspunkte		2 SWS
Prüfung: Präsentation (ca. 30 Minuten) mit schriftlicher Ausarbeitung (max. 20 Seiten) Prüfungsvorleistungen: Regelmäßige und aktive Teilnahme		6 C
Prüfungsanforderungen: Die Veranstaltung behandelt die praktische Anwendung empirischer Forschungsmethoden in den Bereichen Informationsmanagement und Betriebswirtschaft. Der Schwerpunkt liegt bei der Ausgestaltung und der Durchführung eigener empirischer Untersuchungen. Die Veranstaltung adressiert insbesondere Studierende mit den Schwerpunkten Wirtschaftsinformatik und Marketing sowie Unternehmensführung. Die Teilnehmer erhalten das erforderliche Handwerkszeug, um beispielsweise im Rahmen von Abschlussarbeiten empirisch zu arbeiten.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Hilfreich sind Grundkenntnisse in der Anwendung statistischer Auswertungsmethoden oder die Bereitschaft zur Einarbeitung im Selbststudium.	
Sprache: Deutsch	Modulverantwortliche[r]: Dr. Matthias Meyer Prof. Dr. Lutz M. Kolbe	
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester	
Wiederholbarkeit: keine	Empfohlenes Fachsemester: 1 - 3	

Maximale Studierendenzahl:	
12	
Bemerkungen: geöffnet für Doktoranden	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0020: Vernetzte Mobilität – Technologien, Anwendungen und Geschäftsmodelle <i>English title: Connected Mobility - Technologies, Applications and Business Models</i>		6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • besitzen ein Verständnis für gesellschaftliche Entwicklungen (demographischer Wandel, Urbanisierung etc.) und deren Auswirkungen auf das Nutzungsverhalten sowie Geschäftsmodelle im Bereich der Mobilität, • kennen und verstehen den Trend einer Abkehr vom Transportmittel als Produkt zur Mobilität als Dienstleistung, • kennen und verstehen die Anwendung von Informations- und Kommunikationstechnologien im Bereich der vernetzten Mobilität sowie deren Limitationen, • besitzen ein grundlegendes Verständnis für Assistenz- und Automationssysteme, • kennen und verstehen E-Mobilität und neuartige Fahrzeugkonzepte als Bestandteilen des Verkehrssystems, • kennen und verstehen notwendige Informations-, Buchungs- und Abrechnungssysteme für die verschiedenen Verkehrsmittel, • besitzen ein Verständnis für Datensicherheit und -schutz und habe einen Überblick über die Standardisierung vernetzter Mobilitätssysteme, • kennen und verstehen Möglichkeiten der Simulation vernetzter Mobilität.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Vernetzte Mobilität – Technologien, Anwendungen und Geschäftsmodelle (Vorlesung) <i>Inhalte:</i> Besonders empfohlen für Studierende, die im Bereich Mobilität eine Abschlussarbeit verfassen wollen.		2 SWS
Prüfung: Klausur (90 Minuten)		6 C
Prüfungsanforderungen: 1. Darlegung eines übergreifenden Verständnisses technologischer, systemischer, betriebswirtschaftlicher und rechtlicher Fragestellungen im Bereich der vernetzten Mobilität, 2. Nachweis des Verständnisses zentraler Technologien, Anwendungen und Geschäftsmodelle im Bereich der vernetzten Mobilität und der Fähigkeit diese kritisch zu beurteilen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Lutz Maria Kolbe Dr.-Ing. Andreas Sasse	
Angebotshäufigkeit:	Dauer:	

jedes Sommersemester	1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 3
Maximale Studierendenzahl: nicht begrenzt	
Bemerkungen: Geöffnet für Doktoranden.	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0023: Ausgewählte Fragestellungen der Wirtschaftsinformatik <i>English title: Selected Problems in Business Information Systems</i>	6 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden verfügen über vertiefte Kenntnisse eines ausgewählten Themenbereichs der Wirtschaftsinformatik, beispielsweise in den Gebieten Informationsmanagement, Anwendungssysteme und E-Business, Informationssicherheit und Compliance oder interorganisationale Informationssysteme. Sie können wichtige Beiträge und aktuelle Entwicklungen zu dem Thema einordnen und kritisch hinterfragen. Darüber hinaus besitzen sie Kenntnisse spezieller Konzepte, Mechanismen und Methoden aus dem Bereich Wirtschaftsinformatik, mit deren Hilfe konkrete aktuelle Fragestellungen des entsprechenden Themengebietes adäquat bearbeitet werden können. Hierfür lernen die Studierenden, die wissenschaftliche Literatur zum Thema zu recherchieren, zu verstehen, kritisch zu bewerten und zu diskutieren. In Seminaren lernen die Studierenden im Vergleich zu Vorlesungen in besonderem Maße, eine Forschungsfrage zu entwickeln, eine den wissenschaftlichen Standards entsprechende schriftliche Arbeit zum Thema zu verfassen sowie ihre Arbeit rhetorisch überzeugend vor einem akademischen Publikum zu präsentieren. In der abschließenden Diskussion erlernen sie, Fragen zum Thema zu beantworten sowie die Problematik kritisch zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Ausgewählte Fragestellungen der Wirtschaftsinformatik (Seminar oder Vorlesung) <i>Inhalte:</i> Die Lehrveranstaltung behandelt verschiedene Aspekte eines relevanten Themas aus dem Bereich Wirtschaftsinformatik anhand einer aktuellen Fragestellung.	4 SWS
Prüfung: Präsentation (ca. 20 Minuten) mit schriftlicher Ausarbeitung (max. 15 Seiten) oder Klausur (90 Minuten) Prüfungsvorleistungen: Bei Seminaren ist eine regelmäßige Teilnahme erforderlich.	6 C
Prüfungsanforderungen: Nachweis von Kenntnissen über die Anwendung und Umsetzung verschiedener Konzepte, Mechanismen und Methoden im Bereich Wirtschaftsinformatik bezogen auf die jeweilige aktuelle Fragestellung, Übertragung der Konzepte auf praxisrelevante Beispiele, kritische Diskussion über Eignung und Adäquanz der diskutierten Konzepte, Mechanismen und Methoden, bei Seminaren: selbstständige wissenschaftliche Arbeit zu einem vorgegebenen Thema aus dem Bereich Wirtschaftsinformatik in schriftlicher Form, Präsentation des Themas und Teilnahme an einer Diskussion.	

Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Studiendekan*in
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 4
Maximale Studierendenzahl: 30	
Bemerkungen: Maximale Studierendenzahl bei Seminaren i.d.R. 30 Teilnehmer, in Ausnahmefällen kann eine geringere Teilnehmerzahl festgelegt werden. Keine Teilnehmerbeschränkung bei Vorlesungen. Detaillierte Informationen zu den Lehrveranstaltungen des Moduls werden jeweils zu Semesterbeginn im Vorlesungsverzeichnis bekannt gegeben.	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0026: Machine Intelligence: Concepts and Applications		6 C 2 WLH
Learning outcome, core skills: The course would introduce modern machine learning and AI methods with focus on real-world practical applications. The course would also consider the subject of ethical AI and practical implementation of ethical AI principles. The aspects related to privacy, explainability, and transferability of AI based systems will be covered. The participants would be able to understand and apply the state-of-the-art machine learning algorithms on a wide range of problems while addressing legal and ethical requirements.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Machine Intelligence: Concepts and Applications (Lecture) <i>Contents:</i> • Trustworthy AI • Differentially Private Machine Learning • Secure Machine Learning with Fully Homomorphic Encryption • Explainable AI • Federated Learning • Kernel Methods for Machine Learning		2 WLH
Examination: Project (submission of a project report, max. 6 pages per person)		6 C
Examination requirements: A demonstration of following capabilities: • problem formulation of a selected practical application of artificial intelligence and machine learning, • analytical/computational solution of the formulated problem, • algorithmic implementation of the solution, • computer simulations.		
Admission requirements: none	Recommended previous knowledge: Basics of Matrix Algebra, Basics of Signals & Systems	
Language: English	Person responsible for module: Prof. Dr. Lutz Maria Kolbe Prof. Dr.-Ing. habil. Mohit Kumar	
Course frequency: each summer semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4	
Maximum number of students: 30		

Georg-August-Universität Göttingen Module M.WIWI-WIN.0032: Information Systems Research		12 C 2 WLH
Learning outcome, core skills: The aim of this seminar is to introduce students to scientific research and scientific writing in the field of information systems. After successful completion of this module, the students have gained in-depth insights into a specific topic in information systems research. Through the mixture of guided introduction and independent work on a clearly defined topic, students develop a basic understanding of the principles of empirical scientific work and acquire the ability to approach a research topic systematically and independently. Students can conduct a systematic review of the scientific literature and are able to develop and derive scientific solutions and findings on this foundation. Depending on their topic, they gather experiences in the application of an empirical method or the implementation of a digital solution. They develop their skills in synthesizing, conducting, presenting, and reflecting on scientific research. In addition to promoting analytical thinking, this seminar will also facilitate the improvement of English writing, presentation, and discussion skills.		Workload: Attendance time: 28 h Self-study time: 332 h
Course: Information Systems Research (Seminar) <i>Contents:</i> This seminar deals with current issues in information systems research. Topics include digital strategy and business models, digital platforms, sharing economy, IT innovations, the impact of technologies on decisions, interactions and lives of individuals, among others. Based on their interests, students are assigned to a specific topic to examine. The structure of the seminar is as follows: 1. Introduction to the principles of academic research and scientific writing, 2. Examination of the topic and the research question - Investigation of the theoretical and methodological foundations - Structured analysis of the current state of research - Problem solving - Analysis and structuring of the results - Reflection, 3. Preparation of the term paper, 4. Presentation and discussion of the results.		2 WLH
Examination: Term paper (max. 8000 words) and presentation (approx. 30 minutes) Examination prerequisites: Regular attendance		12 C
Examination requirements: • Demonstration of in-depth knowledge on the assigned topic, • proof of an understanding of scientific work, writing, and presenting in general and the application of their selected research method in particular, • evidence of the ability to abstract and reflect the results of the analysis.		
Admission requirements: none	Recommended previous knowledge: none	

Language: English	Person responsible for module: Prof. Dr. Manuel Trenz
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 2 - 3
Maximum number of students: 10	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0033: Digital Platforms	6 C 4 WLH
Learning outcome, core skills: The objective of this course is to convey a basic understanding of the paradigms and intricacies of digital platforms and platform business models. Students will be able to apply this knowledge to critically analyze and evaluate digital platform approaches. Moreover, it equips them with the necessary theories and models to develop strategies for digital platforms and to assess current issues in the topic area quantitatively and qualitatively. In the exercise part of the course, students apply their acquired knowledge and thereby advance their problem solving skills.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Digital Platforms (Lecture) <i>Contents:</i> Digital platforms are becoming increasingly important. Two-sided markets complement, extend, and replace traditional modes of transacting in many domains. Examples include B2B and B2C e-commerce platforms, platforms for interorganizational integration, resale and auction platforms, crowd work, delivery services as well as P2P services, such as short-term accommodation sharing and ride sharing markets. Importantly, the platform principle bears several particularities which will be examined in this course. Central to the design and operation of digital platforms and associated business models is the existence of network effects, different user types and motives, and the paramount importance of reputation systems and management. Case studies and guest lectures can complement the course. Topics covered in this course include: • The economics of platforms and multi-sided markets • Platform business models • Strategies for starting digital platforms • Competition among and within digital platforms • Platform governance • User motives, types, and representations on digital platforms • Pricing strategies for and on digital platforms • Trust and reputation systems • Network analysis	2 WLH
Course: Digital Platforms (Exercise) <i>Contents:</i> Within the accompanying exercise, the students deepen and extend the knowledge and skills acquired in the lecture by means of application tasks and examples.	2 WLH
Examination: Written examination (60 minutes)	6 C
Examination requirements: • Demonstration of in-depth knowledge on the paradigms and intricacies of digital platforms and platform business models, • evidence of the ability to quantitatively and qualitatively address current issues on digital platforms.	

Admission requirements: none	Recommended previous knowledge: basic Excel skills
Language: English	Person responsible for module: Prof. Dr. Manuel Trenz
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0034: Digital Strategy		6 C 4 WLH
Learning outcome, core skills: This module covers the fundamentals of digital strategy and the use of information systems realizing strategic goals. Students will be able to apply this knowledge to critically analyze and evaluate the opportunities and threats of the digital connectivity, collaborations, and channels. It equips them with the necessary concepts and approaches to develop strategies in digitized market environments. Furthermore, they gain insights into current issues in the topic area such as omnichannel strategies, digital collaboration, digital customer interactions, or ethical issues. Within the exercise part of the course, students apply their acquired knowledge to real life cases. Thereby, students will be equipped with the capability to work in a group on a specific problem and to exploit concepts and theories to address problems observed in practice.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Digital Strategy (Lecture) <i>Contents:</i> This course covers the fundamentals of digital business strategies and the opportunities and challenges arising from information systems with a particular focus on digital interactions and exchange with other market entities (i.e., firms, customers). Topics covered in this lecture include: • Digital strategy and digital transformation • Digital business models • Omnichannel strategies • Economies of networks • Information goods and servitization • Data, ethics and privacy • Digital and distributed work		2 WLH
Course: Digital Strategy (Exercise) <i>Contents:</i> In the accompanying exercise sessions, students apply their knowledge gained in the lecture by presenting and discussing practical cases.		2 WLH
Examination: Written examination (60 minutes)		4 C
Examination: Case study presentation and discussion		2 C
Examination requirements: • Demonstration of in-depth knowledge on the nature of digital strategy and the role of information systems in this context, • proof of an understanding of the opportunities when competing and collaborating digitally, • evidence of the ability to apply concepts and theories discussed to analyze selected cases.		
Admission requirements:		Recommended previous knowledge:

none	none
Language: English	Person responsible for module: Prof. Dr. Manuel Trenz
Course frequency: each summer semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 3
Maximum number of students: not limited	

Georg-August-Universität Göttingen Module M.WIWI-WIN.0035: Research Seminar on Information Systems and Digitalization		6 C 2 WLH
Learning outcome, core skills: The aim of this seminar is to provide Master and PhD students with a deeper understanding of empirical academic research, with a thematic focus on Information Systems and Digitalization. Students will primarily strengthen their analytical skills and improve their abilities to express observations and opinions about pieces of academic research and, above all, to come up with ideas on how to develop them further. The exchange and reflection on the research of others should ultimately enable students to advance their own (current or future) research projects and become better reviewers.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Research Seminar on Information Systems and Digitalization (Seminar) <i>Contents:</i> This research-centered seminar is open to anyone interested in empirical research on Information Systems and Digitalization. In the seminar we will: • critically examine selected current research work, • discuss it in regular meetings in small groups, • participate in presentations of invited authors, • debate with the authors about their research and gain additional perspectives on the development processes of their work. The willingness to read and discuss academic papers is a crucial prerequisite for participation in this course.		2 WLH
Examination: Term paper (max. 8000 words) and presentation (approx. 30 minutes) Examination prerequisites: Regular attendance		6 C
Examination requirements: • Demonstration of the ability to understand and critically reflect on current research work, • evidence of the ability to identify and express strengths, weaknesses, and suggestions for improvement on research work.		
Admission requirements: none	Recommended previous knowledge: First experience with an own research project (e.g., research seminar, thesis)	
Language: English	Person responsible for module: Prof. Dr. Manuel Trenz	
Course frequency: irregular	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 3 - 4	

Maximum number of students:	
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10	
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Georg-August-Universität Göttingen Modul M.WIWI-WIN.0036: Gestaltung von Softwarearchitekturen <i>English title: Design of Software Architectures</i>	6 C 2 SWS
Lernziele/Kompetenzen: Nach erfolgreicher Teilnahme sind die Studierenden in der Lage: • die Grundlagen zu Softwarearchitekturen zu beschreiben und zu erläutern, • grundlegend eine Softwarearchitektur zu entwerfen, • geeignete Softwarearchitekturen anforderungsgerecht auszuwählen, • Softwarearchitekturen zu beurteilen, • Bewertungen zur Überarbeitung/ Weiterentwicklung von Softwarearchitekturen vorzunehmen, • anhand einer Fallstudie eine Softwarearchitektur in Gruppenarbeit umfassend zu entwickeln und dabei Stärken und Schwächen aufzuzeigen (einschließlich Organisation und Kommunikation in der Gruppe).	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Gestaltung von Softwarearchitekturen (Vorlesung) <i>Inhalte:</i> Grundlagen Softwarearchitektur • Definition und Einordnung • Stakeholder • Rolle des Softwarearchitekten (klassisch und im Kontext agiler Teams) Entwurf von Softwarearchitekturen • Domain Driven Design • Entwurfsprinzipien und -muster • Dokumentation • Referenzarchitekturen Moderne Softwarearchitekturen • Monolith - Microservices - Serverless • Event-Driven-Architectures • Architektur für Machine Learning-basierte Systeme • Architektur für Blockchain-basierte Systeme Bewertung von Softwarearchitekturen • Qualitätsanforderungen • Technische Schulden • Architekturerneuerung	2 SWS
Prüfung: Klausur (120 Minuten) Prüfungsvorleistungen: Eine erfolgreiche Fallstudie (max. 12 Seiten).	6 C
Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung nach, dass sie: • verschiedene Softwarearchitekturen kennen und unterscheiden können,	

- Vor- und Nachteile unterschiedlicher Softwarearchitekturen spezifizieren können,
- dass sie in der Lage sind, auf der Basis von Anforderungen geeignete Softwarearchitekturen zu konzipieren,
- sie mit den Vorlesungsinhalten Ansätze kennen und anwenden können, um Softwarearchitekturen weiterzuentwickeln, Schwächen zu erkennen und diese zu reduzieren.

Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Kenntnisse zum Management von Informationssystemen (MIS)
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Matthias Schumann, Dr. Björn Decker
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 4

Georg-August-Universität Göttingen Module M.WIWI-WIN.0038: Digital Health		6 C 4 WLH
Learning outcome, core skills: Students will... • know and understand current developments (e.g. digitalization, urbanization, demographic change) and their impact on the structure and care of healthcare systems (e.g. telemedicine), • can critically examine digital infrastructures and the importance of interdisciplinary approaches (e.g. electronic patient records), • have an understanding of the application of technologies (e.g., eHealth, mHealth, wearables) in healthcare and are aware of current national and international developments, • are able to assess the opportunities and challenges of new technology such as artificial intelligence and human-computer interaction in healthcare, • can critically examine the legal and ethical challenges in digital healthcare, • can evaluate the acquired knowledge in connection with sustainable business models in the healthcare sector.		Workload: Attendance time: 56 h Self-study time: 124 h
Course: Digital Health (Lecture) <i>Contents:</i> Highly recommended for students who want an overview of current digital trends in healthcare. <i>Contents:</i> • Infrastructure • Personal and Global Digital Health • Artificial Intelligence & Human-Computer Interaction • Ethics and Privacy • Sustainable Business Models		2 WLH
Course: Digital Health (Exercise) <i>Contents:</i> Within the accompanying exercise, the students deepen and extend the knowledge and skills acquired in the lecture by means of application tasks and examples.		2 WLH
Examination: Written examination (90 minutes)		6 C
Examination requirements: • Demonstrate an overarching understanding of digital health's technological, business, legal, and ethical issues, • demonstrate an understanding of key technologies, applications, and models of care in healthcare and the ability to critically evaluate them, • the contents of the guest lectures are part of the examination contents.		
Admission requirements: none	Recommended previous knowledge: none	

Language: English	Person responsible for module: Dr. Maike Greve
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2

Georg-August-Universität Göttingen Module M.WIWI-WIN.0039: Strategic Thinking for Future Leaders	6 C 4 WLH
Learning outcome, core skills: The students... • will work on complex challenges in inter- and multidisciplinary teams, • will train their abilities to manage team dynamics including feedback techniques and conflict resolution and prevention, • get hands on, practical training in strategic thinking by working with strategic challenges companies are facing, • will learn to use frameworks to solve complex strategic problems, • acquire competencies to be able to work on real life problems in a realistic setting, • will improve their soft skills (e.g., Imagination and Visual Thinking, Social Competencies, Leadership Competencies) but also skills related to managerial cognition and decision making (e.g., Systems Thinking, Numeracy, Forward Thinking), • get an insight into real-life working and evaluation environments, • understand the difference between problem-oriented and solution-oriented thinking and know how to apply it, • learn the difference between 'playing to win' and 'playing to lead' within businesses, • will have acquired and be able to utilize tools to solve strategic problems both in their own life and in a business context.	Workload: Attendance time: 56 h Self-study time: 124 h
Course: Strategic Thinking for Future Leaders (Seminar) <i>Contents:</i> Especially recommended for students wishing to gain practical experience in dealing with strategic problems in a business context. Students will be working on assigned projects in groups. The seminar will comprise a mix of theory, which will give the students the core competencies to be able to work on strategic problems and practical applications, in which the students will apply the learned contents on their respective projects. Contents (inter alia): • What is strategy and how does it work? • Understanding Strategy as a Game • Where do you play and how do you win? • What do you need to win? • How would you apply your strategy?	2 WLH
Course: Strategic Thinking for Future Leaders (Tutorial) <i>Contents:</i> In the accompanying tutorial, students deepen and expand the knowledge and skills acquired in the seminar. They can apply the acquired knowledge not only to their own projects but to other groups projects as well.	2 WLH

Examination: Group presentation (approx. 30 minutes incl. discussion) and written group executive summary (max. 4.000 words) Examination prerequisites: 1. Mandatory and active participation in the seminar and tutorials. 2. Reading of the materials. 3. Successful interim presentation (approx. 20 minutes presentation incl. discussion).		6 C
Examination requirements: • Demonstrate an overarching understanding of strategic thinking and the before-mentioned learning outcomes and skills, • well thought out strategy for the respective strategic problem, • Meaningful group presentation and well-elaborated executive summary to address the strategic and complex challenge.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English, German	Person responsible for module: Dr. Tim Benjamin Lembcke	
Course frequency: each semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: twice	Recommended semester: 2 - 4	
Maximum number of students: 24		
Additional notes and regulations: German language is likely required throughout cooperation with industrial partners (e.g., German interviews or information material).		

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0040: Wohlbefinden Erhöhen mit Data Analytics <i>English title: Increasing Well-Being with Data Analytics</i>	6 C 4 SWS
Lernziele/Kompetenzen: In dieser anwendungs-orientierten Veranstaltung beschäftigen Sie sich mit einer Reihe von wöchentlichen Herausforderungen, die darauf abzielen, Ihr eigenes (subjektives) Wohlbefinden nachweislich zu erhöhen und produktivere Gewohnheiten mithilfe von IT aufzubauen. Diese Herausforderungen werden unterstützt durch wöchentliche Übungen, in denen Sie die wichtige und anwendungs-orientierte Methoden zu empirischen Analysen (d.h. Data Analytics) kennen lernen und eigenständig einsetzen werden. Zudem tauschen Sie sich in Kleingruppen über Ihre in der Veranstaltung gemachten Erfahrungen aus, um so in Teamarbeit Ihren individuellen Lernprozess zu reflektieren und zu fördern. Insgesamt zielt der Kurs darauf ab, Ihnen die Möglichkeit zu bieten, sich basierend auf wissenschaftlich anerkannten Methoden zu einem glücklicheren Individuum zu entwickeln, sodass Sie Ihre Potentiale und über die Jahre gesammelten Kompetenzen („Hard Skills“) wissenschaftlich nachweislich im Privat- und Berufsleben besser und nachhaltig einbringen und ausleben können. Nach der Veranstaltung sind die Studierenden in der Lage, - zu benennen und zu verstehen, • welche weit verbreiteten Auffassungen bez. Wohlbefinden nicht mit akademischer Forschung vereinbar sind und damit eher nicht zu verfolgen sind, wenn sie langfristig glücklicher werden wollen, • welche psychologischen Effekte (z. B. menschliche Biases und Tendenzen) zu diesen alltäglichen (falschen) Auffassungen führen, • welche Strategien gegen diese Tendenzen helfen, • welche Ziele tatsächlich verfolgt werden sollten, um wissenschaftlich nachweislich glücklicher zu werden (vor allem die Rolle von Technologie in der Beeinflussung des eigenen Wohlbefindens), • wie diese neuen Ziele und damit verbundene Verhaltensänderungen in das alltägliche Leben integriert und gelebt werden können, um das Verhalten langfristig positiv zu ändern und so zu einem höheren Wohlbefinden zu finden, • wie diese Veränderungen mithilfe von Grundlagen der Statistik (vor allem mithilfe von Data Analytics) empirisch gemessen und nachgewiesen werden können. • mit welchen Themen und Trends die Forschung (vor allem Wirtschaftsinformatik) und Global Players (wie SAP, Google und McKinsey) sich aktuell und zukünftig auseinandersetzen, um das Wohlbefinden von Individuen zu erhöhen. - anzuwenden und (empirisch) zu analysieren, wie wissenschaftlich anerkannte und anwendungsbezogene Erkenntnisse aus interdisziplinären Themen (u.a., Wirtschaftsinformatik und Psychologie) in das private und professionelle Leben integriert werden können, um Ihr Wohlbefinden langfristig zu steigern und zu erhalten,	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden

- ein persönlich und professionell akkurateres und abgestimmteres Selbstbild zu entwickeln, welches sich an handlungsorientierten Erkenntnissen in Wirtschaft und Wissenschaft orientiert und ihnen hilft die individuelle und gesellschaftliche Verantwortung Ihrer Entscheidungen besser zu reflektieren und einzuschätzen, - auf das Leben insgesamt positiver zu blicken, sodass Sie ihre Potentiale und über die Jahre gesammelten Kompetenzen („Hard Skills“) wissenschaftlich nachweislich besser im Privat- und Berufsleben einbringen und langfristig ausleben können.	
Lehrveranstaltung: Wohlbefinden Erhöhen mit Data Analytics (Vorlesung) <i>Inhalte:</i> Im Rahmen der Vorlesungen werden • weit verbreitete Auffassungen über Wohlbefinden mit Erkenntnissen der akademischen Forschung verglichen und schließlich diese Auffassungen falsifiziert, • Theorien und Konzepte der interdisziplinären Forschung der Wirtschaftsinformatik und anliegender Felder eingebracht und damit erklärt, welche lästigen Tendenzen der menschlichen Wahrnehmung (d.h. Biases) zu diesen Auffassungen führen, • Strategien präsentiert, diese lästigen Tendenzen abzuschwächen, • neue Auffassungen eingeführt, die laut Wissenschaft und Praxis tatsächlich zu einem besseren Wohlbefinden führen, • wissenschaftlich anerkannte Methoden vorgestellt, wie diese neue Auffassungen langfristig in das eigene Leben integriert und erhalten werden können.	2 SWS
Lehrveranstaltung: Wohlbefinden Erhöhen mit Data Analytics (Übung) <i>Inhalte:</i> • Einführung bzw. Rekapitulation der Grundlagen in die Statistiksoftware R und andere Data Analytics Tools, • Einführung bzw. Rekapitulation der Grundlagen in Statistik, • Anwendung der Erkenntnisse auf Beispieldatensätze, • Anwendung der Erkenntnisse auf eigene Beispiele, • Reflexion der eigenen Anwendung.	2 SWS
Prüfung: Portfolio (100%): Wöchentlichen Herausforderungen/Aufgaben; Vorbereitung, Durchführung und Auswertung einer mehrwöchigen, Technologie-basierten Aktivität zur Erhöhung des persönlichen Wohlbefindens Prüfungsvorleistungen: Regelmäßige Teilnahme an der Übung	6 C
Prüfungsanforderungen: Nachweis von Kenntnissen der in der Veranstaltung vermittelten Konzepte und Inhalte (u.a. Einfluss von Technologienutzung auf das Wohlbefinden) durch Anwendung, Evaluation und Verschriftlichung dieser Konzepte und Inhalte entlang vorgegebener Instruktionen und eigener Erfahrungen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundlegende Kenntnisse in Statistik und der Statistiksoftware R sind empfehlenswert (aber nicht

	zwingend notwendig, da die wichtigsten Inhalte im Rahmen der Übungen vermittelt werden)
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Martin Adam
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Bemerkungen: Die Vorlesungen werden hauptsächlich in Präsenz angeboten, die Übungen vorwiegend über live Stream. Digitale Aufzeichnungen aller Vorlesungen und Übungen werden zusätzlich online über StudIP zur Verfügung gestellt. Zudem ist die Veranstaltung interaktiv (v.a. wöchentliche Herausforderungen), die eine reguläre Teilnahme erfordern. Nähere Informationen bez. der Teilnahme an dieser interaktiven Veranstaltung wird über Online-Kanäle bzw. im Kick-off kommuniziert. Sprache: Folien auf Englisch, Deutsch vorwiegend für die weitere Kommunikationssprache. Die Einreichungen der wöchentlichen Aufgaben und finaler Reports können auf Deutsch oder Englisch geschehen (hauptsächlich selbst-bestimmt durch die Studierenden). Details werden in der Veranstaltung bekannt gegeben.	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0041: Fortgeschrittene Themen der Wirtschaftsinformatik <i>English title: Advanced Topics in Information Systems</i>	12 C 2 SWS
Lernziele/Kompetenzen: Nach der Veranstaltung sind die Studierenden in der Lage: • die wichtigsten Begriffe und theoretischen Grundlagen empirischer Untersuchungsmethoden und wissenschaftlichen Schreibens in der Wirtschaftsinformatik zu benennen und zu verstehen, • zu einem bestimmten Thema und einer bestimmten Methode tiefergehendes Fachwissen wiederzugeben, • das erworbene theoretische Wissen praktisch anzuwenden, indem sie selbstständig und systematisch empirische Studien vorbereiten, durchführen und die gewonnenen Daten auswerten und interpretieren können, • Ideen und Argumente besser schriftlich und verbal entlang wissenschaftlicher Standards ausdrücken zu können.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 332 Stunden
Lehrveranstaltung: Fortgeschrittene Themen der Wirtschaftsinformatik (Seminar) <i>Inhalte:</i> In dieser anwendungs-orientierten Veranstaltung beschäftigen die Studierenden sich mit einer Reihe von ausgewählten Fragestellungen zu fortgeschrittenen Themen der Wirtschaftsinformatik und versuchen diese wissenschaftlich mithilfe von eigens umgesetzten empirischen Studien zu beantworten. Diese Themen passen sich dabei jährlich an aktuelle Trends und Entwicklungen in unserer immer digitaleren Welt an und werden basierend auf Präferenzen der Studierenden zugewiesen. Themen sind u.a. aus den Bereichen Mensch-KI Kollaborationen, Management und Design von KI, Digital Nudging & Decision-Making, Digital Business & Transformation, Digital Well-Being & Responsibility, Nachhaltigkeit, Information Privacy & Security und Data Analytics. Die selbstständige Arbeit der Studierenden wird dabei unterstützt durch methodische und inhaltliche Betreuung und angeleitete Reflexion. Die Umsetzung der empirischen Studien findet dabei in Kleingruppen statt, um möglichst kreative und substanzielle Ergebnisse zu finden und die individuellen Erfahrungen zu reflektieren und zu fördern. Insgesamt zielt der Kurs darauf ab, den Studierenden die Möglichkeit zu bieten, sich mit einem praktischen, aktuellen und relevanten Thema der Wirtschaftsinformatik wissenschaftlich und kreativ auseinanderzusetzen und eigene Ideen zur Beantwortung der gestellten Fragestellung aktiv beizutragen. Im Rahmen des Seminars werden, • Grundwissen und Prinzipien akademischen Forschens und Schreibens eingeführt (u.a. Struktur und Inhalte einer empirischen Studie) • Grundwissen zu Theorien und theoretischen Beiträgen eingeführt – im Vergleich zu praktischen Beiträgen (u.a., Theorization, Problematization, Finden einer interessanten und relevanten Forschungsfrage)	2 SWS

• Grundwissen zu verschiedenen Methoden vorgestellt (u.a. quantitative und qualitative Studien, Multi- und Mixed-Methods Ansätze). • Inhalte zu den ausgewählten Fragestellungen vorgestellt und diskutiert (z.B. bisherige Literatur und Annahmen) • Umsetzung der empirischen Studie • Präsentation, Diskussion und Verschriftlichung der empirischen Studie		
Prüfung: Hausarbeit (max. 8.000 Wörter pro Person, abhängig von Fragestellung und Methode) und Präsentation (2 mal ca. 30 Minuten) in Gruppenarbeit Prüfungsvorleistungen: Regelmäßige Teilnahme		12 C
Prüfungsanforderungen: Nachweis von Kenntnissen der in der Veranstaltung vermittelten Konzepte und Inhalte (u.a. ausgewählte fortgeschrittene Themen der Wirtschaftsinformatik, wissenschaftliches Arbeiten, empirische Methoden) durch Anwendung, Präsentation und Verschriftlichung dieser Konzepte und Inhalte entlang vorgegebener Instruktionen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Martin Adam	
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 3	
Maximale Studierendenzahl: 20		
Bemerkungen: Sprache: Folien und schriftliche Unterlagen (u.a. Hausarbeit) auf Englisch. Deutsch hauptsächlich als mündliche Kommunikationssprache. Studierenden-Präsentation auf Deutsch oder Englisch (hauptsächlich selbst-bestimmt durch Studierende). Details werden innerhalb des Seminars bekannt gegeben.		

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0042: Informationssicherheit: Strategien, Bedrohungen und Abwehrmechanismen <i>English title: Information Security: Strategies, Threats, and Countermeasures</i>		6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden: • kennen und verstehen Informationssicherheitstrends und besitzen ein Verständnis für aktuelle Herausforderungen von Informationssicherheitsrisiken in Unternehmen, • besitzen ein grundlegendes Verständnis für Instrumente des Informationssicherheitsmanagements (Risikoanalysen, ISMS, etc.), • kennen und verstehen Informationssicherheitsbedrohungen, • kennen und verstehen mögliche Abwehrmechanismen bei verschiedenen Informationssicherheitsbedrohungen, • können Informationssicherheitsrisiken für Unternehmen beurteilen und effektive Gegenmaßnahmen ableiten und selbstständig gestalten, • kennen und verstehen Methoden der wissenschaftlichen Forschung (Fokus auf quantitative, empirische Methoden), • können selbstgestaltete Gegenmaßnahmen mit etablierten wissenschaftlichen Methoden bewerten.		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Informationssicherheit: Strategien, Bedrohungen und Abwehrmechanismen (Seminar) <i>Inhalte:</i> In diesem Seminar erwerben die Studierenden ein umfassendes Verständnis der aktuellen Trends und Herausforderungen der Informationssicherheit in Unternehmen. Sie lernen, Risiken zu erkennen, zu bewerten und effektive Gegenmaßnahmen zu entwickeln. Die Inhalte umfassen eine Einführung in aktuelle Entwicklungen, Grundlagen der Bedrohungserkennung und eine kritische Analyse von Abwehrmechanismen. Zudem liegt ein Fokus auf wissenschaftlichen Methoden zur Bewertung von Maßnahmen. Das Seminar befähigt die Studierenden, fundierte Entscheidungen im Bereich der Informationssicherheit zu treffen und wirksame Strategien zu entwickeln.		2 SWS
Prüfung: Hausarbeit (max. 15 Seiten) mit Präsentation (ca. 30 Minuten)		6 C
Prüfungsanforderungen: Präsentation und Hausarbeit zu einem Informationssicherheitstrend: Selbständige Bearbeitung (max. 15 Seiten) einer aktuellen vorgegebenen Fragestellung aus dem Bereich Informationssicherheit in schriftlicher Form. Präsentation der Ergebnisse im Rahmen eines Vortrags (ca. 30 Minuten). Die Studierenden erbringen dabei den Nachweis, dass sie bezüglich der Fragestellung fundierte Kenntnisse besitzen und in der Lage sind, ihre Ergebnisse kritisch zu beurteilen.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	

Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Lutz Maria Kolbe Dr. Kristin Masuch
Angebotshäufigkeit: unregelmäßig	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 3
Maximale Studierendenzahl: 15	

Georg-August-Universität Göttingen Modul M.WIWI-WIN.0043: Masterclass: Ideenentwicklung in Wirtschaftsinformatik und Management <i>English title: Masterclass: Crafting Valuable Ideas in Information Systems and Management</i>	6 C 4 SWS
Lernziele/Kompetenzen: Ziel des Kurses ist die Fähigkeit zu erlernen, wertvolle Ideen zu entwickeln, auszuarbeiten und selbstbewusst zu präsentieren. Im weiteren Sinne können Sie im Kurs Ihr Verständnis dafür verbessern, wie Sie selbst über eine Idee nachdenken, wie andere die Idee wahrnehmen und wie Sie die damit verbundenen Herausforderungen meistern. Diese Fähigkeiten werden Ihnen in Ihrer beruflichen und privaten Zukunft helfen (z.B. bei Forschungsanträgen, einer Master Thesis oder einem Projekt-Pitch). Nach dem Kurs werden die Studierenden in der Lage sein: - zu benennen und zu verstehen, was eine Idee ausmacht • eine interessante Idee im Gegensatz zu einer offensichtlichen oder unerhörten Idee • nützliche und aufschlussreiche Ideen • gute und richtige Ideen • Unterschiede zwischen Idee, Ziel, Frage und Beitrag - benennen und verstehen, was eine Theorie, ein Beitrag und eine Wirkung sind • verschiedene Formen und Ebenen der Theorie • Randbedingungen und Kontexte • was eine Theorie ist und was eine Theorie nicht ist • die Rolle von Ideen in Wirtschaftsinformatik und im Management • Beiträge vs. Implikationen • engagierte Wissenschaft - verstehen und anwenden, wie man eine gute Idee entwickelt und formuliert • Verfassen einer wissenschaftlichen Arbeit • Argumentation und Formulierung von Ideen • Problematisierung • Ideen evaluieren und verbessern - verstehen und anwenden, wie man mit den Reaktionen des Publikums umgeht • der Forschungs- und Publikationsprozess • Gutachtenarbeit und die verschiedenen Rollen • das Handwerk des Begutachtens • diplomatisches Ansprechen von Fragen und Problemen - die weiteren Auswirkungen wertvoller Ideen zu verstehen • die Auswirkungen auf die Forschung (z. B. Paradigmen, Gemeinschaft) • die Auswirkungen auf die Praxis (z. B. Organisation, Wirtschaft, Gesellschaft) - eine eigene wertvolle Idee für die Forschung zu entwickeln	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden

Lehrveranstaltung: Masterclass: Ideenentwicklung in Wirtschaftsinformatik und Management (Projektseminar) <i>Inhalte:</i> Das Generieren und Formulieren wertvoller Ideen gehört zu den anspruchsvollsten, aber auch bereicherndsten Aufgaben in Wissenschaft und Praxis. In der Forschung tragen theoriebezogene Ideen nicht nur dazu bei, die akademische Wissenschaft von Industrie und Beratung zu unterscheiden, sondern auch die Identität und die Grenzen einer akademischen Disziplin zu definieren. In der Praxis können gute Ideen darüber entscheiden, ob ein Arbeitsplatz oder ein Unternehmen floriert oder ob es obsolet wird. Ein wichtiger Ausgangspunkt für wertvolle Ideen ist oft die intellektuelle Auseinandersetzung mit einem Phänomen. In diesem in erster Linie auf die Forschung ausgerichteten Kurs werden Sie sich mit einer Reihe wöchentlicher Lektüre und provokanter Fragen beschäftigen, die Ihr eigenes Verständnis für die Kunst und das Handwerk des Entwickelns wertvoller (Forschungs-)Ideen, insbesondere in den Bereichen Wirtschaftsinformatik und Management, verbessern sollen. Die wöchentlichen Übungen werden durch forschungsorientierte Aufgabenstellungen unterstützt, in denen Sie Phänomen-orientierte Ansätze erlernen und selbstständig anwenden, um eigene Ideen in Form von Forschungszielen, -fragen und -beiträgen zu entwickeln. Diese Erkenntnisse aus der Forschung werden auf Beispiele aus der Praxis übertragen. Das Sammeln und Analysieren von empirischen Daten ist dabei nicht direkter Bestandteil des Kurses (dies wird in einem anderen Seminar oder einer Abschlussarbeit behandelt). Sie werden in Klein-Gruppen Ideen austauschen, diskutieren und evaluieren, um Ihren individuellen Lernprozess zu reflektieren und zu fördern. Insgesamt bietet Ihnen der Kurs die Möglichkeit, ein besseres Verständnis dafür zu entwickeln, worauf es bei der Ausarbeitung wertvoller Ideen - insbesondere in den Bereichen Wirtschaftsinformatik und Management - ankommt. Anhand von wegweisenden Arbeiten und Leitartikeln in den jeweiligen Disziplinen lernen Sie, die richtigen Fragen zu stellen und nach den richtigen Antworten zu suchen, wenn Sie an Projekte herangehen - damit Sie nicht unnötig wertvolle Ressourcen verschwenden. Wir werden lesen und diskutieren: • was eine wertvolle Idee ist und was sie nicht ist, • wie man eine wertvolle Idee in ein umsetzbares Ziel und eine Frage umwandelt, • wie man eine Idee klar und überzeugend formuliert, • wie ein Publikum eine vorgestellte Idee wahrnimmt und wie man auf ihre Bedenken reagiert, • die weiteren Auswirkungen wertvoller Ideen auf Forschung und Praxis.	2 SWS
Lehrveranstaltung: Masterclass: Ideenentwicklung in Wirtschaftsinformatik und Management (Übung) <i>Inhalte:</i> • Einführung oder Rekapitulation der Grundlagen des akademischen Schreibens, • Einführung bzw. Rekapitulation der Grundlagen von Theorien und Beiträgen, • Präsentation und Diskussion eigener Ideen, • Begutachtung und Diskussion der Ideen anderer.	2 SWS

Prüfung: Portfolio (100%): Wöchentliche Herausforderungen/Aufgaben vorbereiten, präsentieren und diskutieren; Vorbereitung, Überarbeitung, Präsentation und Verschriftlichung eigener Ideen über mehrere Wochen Prüfungsvorleistungen: Regelmäßige Teilnahme an den Treffen	6 C
Prüfungsanforderungen: Nachweis von Kenntnissen der in der Veranstaltung vermittelten Konzepte und Inhalte (u.a. Herleitung und Artikulation eigener wertvoller Ideen) durch Anwendung, Evaluation und Verschriftlichung dieser Konzepte und Inhalte entlang vorgegebener Instruktionen und eigener Interessen.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: Grundlegende Kenntnisse in der Arbeit mit wissenschaftlichen Artikeln, besonders im Bereich Wirtschaftsinformatik, Management und anliegenden Disziplinen (z.B. Psychologie).
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Martin Adam
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3
Maximale Studierendenzahl: 10	
Bemerkungen: Die Kurseinheiten werden hauptsächlich in Präsenz angeboten. Darüber hinaus ist der Kurs interaktiv (vor allem wöchentliche Aufgaben), was eine regelmäßige Teilnahme erfordert (z.B. wöchentliche Lektüre, Diskussionen, Präsentationen). Es gibt keine Abschlussprüfung - Sie werden das, was Sie in diesem Kurs lernen, sofort anwenden. Weitere Informationen zur Teilnahme an diesem interaktiven Kurs werden über Online-Kanäle und in der Auftaktveranstaltung bekannt gegeben. Die Teilnahme an der Auftaktveranstaltung ist obligatorisch, um einen Platz im Kurs zu erhalten. Bei der Auftaktveranstaltung werden das Vergabeverfahren, die Kursinhalte und das Nachrückverfahren im Detail erläutert. Sprache: Folien und schriftliche Unterlagen (u.a. Verschriftlichung) auf Englisch. Deutsch hauptsächlich als mündliche Kommunikationssprache (u.a., Präsentation, Diskussion, Partizipation). Ggf. erfolgt die Kommunikationssprache in größeren Teilen auf Englisch. Details werden innerhalb des Seminars bekannt gegeben. Der Kurs ist komplementär zu anderen Master-Seminaren und -Abschlussarbeiten, da dieser Kurs sich besonders auf die Ideenfindung und Präsentation konzentriert (d.h. keine Datenerhebung).	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0007: Wirtschaftspädagogisches Kolloquium <i>English title: Colloquium in Business and Human Resource Education</i>	6 C 3 SWS
Lernziele/Kompetenzen: Die Studierenden können die Qualität und Wirksamkeit berufs- und wirtschaftspädagogischer Forschungsstudien oder betrieblicher Maßnahmen der Personal- und Kompetenzentwicklung wissenschaftlich bewerten. Dabei nutzen sie ihre erworbenen Kompetenzen in der (berufsbezogenen) Bildungswissenschaft und Fachdidaktik sowie in den Forschungsmethoden. Zudem sind sie in der Lage, eine eigene kleine Forschungsstudie zu planen, umzusetzen und auszuwerten. Im Einzelnen werden folgende Kompetenzziele angestrebt: • Erweiterung forschungsmethodischer Kompetenzen durch kriteriengeleitete Beurteilung empirischer Forschungsstudien oder Planung und Erprobung einer eigenen (kleinen) empirischen Studie zu einer ausgewählten berufsbildungswissenschaftlichen Fragestellung, • Ausbau kritischer Reflexionskompetenzen, vor allem in der Beurteilung der Definition, Operationalisierung und Messung grundlegender berufs- und wirtschaftspädagogischer Konstrukte, • Erweiterung der wissenschaftlichen Argumentationsfähigkeiten zur Kommunikation und Kommentierung von Forschungserkenntnissen im Bereich der beruflichen Aus- und Weiterbildung, • Erweiterung der sozialen Kompetenzen (Kooperations- und Präsentationskompetenzen) durch Arbeit in Gruppen und Präsentation der Ergebnisse im Rahmen eines Vortrags oder Posters, • Erwerb von übergreifenden Kompetenzen wie Kompetenzen in guter wissenschaftlicher Praxis, Arbeitsorganisations- und ggfs. Projektmanagementkompetenzen (im Falle der Durchführung einer eigenen kleinen empirischen Studie). Indem sich die Studierenden mit Forschungsstudien, Ergebnissen von Modellversuchen im Bereich der Berufs- und Wirtschaftspädagogik auseinandersetzen oder eine (kleine) Studie zu einer ausgewählten Fragestellung durchführen und ihre Erkenntnisse oder Ergebnisse im Kolloquium vorstellen und diskutieren, erweitern sie ihre Kompetenzen im Beschreiben, Klassifizieren, Paraphrasieren und Reflektieren berufs- und wirtschaftspädagogischer Forschung. Die Studierenden entwickeln ihre professionelle Identität und ihren professionellen Habitus im Hinblick auf beruflich relevante und disziplinäre Inhalte, Denkfiguren, Modelle und Paradigmen weiter. Ebenso vertiefen sie ihre Fähigkeiten zur wissenschaftsethischen Urteilsfähigkeit.	Arbeitsaufwand: Präsenzzeit: 42 Stunden Selbststudium: 138 Stunden
Lehrveranstaltung: Wirtschaftspädagogisches Kolloquium (Seminar) Inhalte: • Idealtypischer sozialwissenschaftlicher Forschungsablauf; Standards empirischer Forschung sowie formativer und summativer Evaluation, • Problembegründung von Forschung, Qualität wissenschaftlicher Fragen und Hypothesen, Forschungsparadigma, Forschungsdesign und Stichprobe, Qualität	3 SWS

der Definition, Operationalisierung und Messung zentraler Konstrukte, empirische Auswertungsmethoden, Qualität der Darstellung und Interpretation der Ergebnisse, • Auseinandersetzung mit zentralen Fragestellungen der Berufs- und Wirtschaftspädagogik, insbesondere des beruflichen Lehrens und Lernens, der Qualität beruflicher Bildungsprozesse und seiner Ergebnisse sowie der Professionalität beruflichen Bildungspersonals.	
Prüfung: Hausarbeit (max. 12 Seiten) Prüfungsvorleistungen: Regelmäßige Teilnahme; Vorstellung und kritische Diskussion ausgewählter Merkmale einer Forschungsstudie oder eines Modellprojektes oder Vorstellung einer eigenen (kleinen) Studie zu einer berufsbildungswissenschaftlichen Fragestellung (ca. 20-30 Minuten Gruppenpräsentation in Form eines Posters oder Vortrags einschl. Leitung der Diskussion im Plenum).	6 C
Prüfungsanforderungen: Die Studierenden reflektieren eine Forschungsstudie oder ein Modellprojekt aus dem Bereich der Berufs- und Wirtschaftspädagogik unter Berücksichtigung von Standards empirischer Forschung und erörtern deren Implikationen für ein ausgewähltes wirtschaftspädagogisches Handlungsfeld (z. B. Unterrichtshandeln, Lehrerprofessionalisierung, Schulentwicklung, Personalentwicklung) oder sie konzipieren und begründen eine eigene kleine Forschungsstudie und stellen diese vor.	
Zugangsvoraussetzungen: mindestens 18 Kreditpunkte aus Modulen im Bereich Bildungswissenschaften und Fachdidaktik Wirtschaft im Master-Studium „Wirtschaftspädagogik“ oder „Wirtschaftspädagogik und Personalentwicklung“	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 3 - 4
Maximale Studierendenzahl: 25	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0009: Didaktik in der kaufmännischen Aus- und Weiterbildung <i>English title: Modeling Business Education and Training over the Lifespan</i>	6 C 4 SWS
Lernziele/Kompetenzen: In der fachdidaktischen Auseinandersetzung mit Ansätzen des problemorientierten situierten Lernens erwerben die Studierenden Kompetenzen im Umgang mit komplexen Lehr-Lern-Arrangements als Umsetzungsvarianten konstruktivistischer Instruktionsdesigns in der kaufmännischen beruflichen Bildung. Die Studierenden analysieren das didaktische Potential von komplexen Lehr-Lern-Arrangements und deren Gelingensbedingungen, sie reflektieren die Qualitätsmerkmale der Lernprozesse in konstruktivistischen Lernumwelten sowie die besonderen Herausforderungen komplexer Lehr-Lern-Arrangements für die fachdidaktischen Kompetenzen der Lehrenden. Mit der Planung und Realisierung eines komplexen Lehr-Lern-Arrangements (i. d. R. eines Planspielwettbewerbs) mit Schülerinnen und Schülern aus verschiedenen kaufmännischen berufsbildenden Schulen im Rahmen des Projektseminars erweitern die Studierenden ihre fachdidaktischen Kompetenzen zur Gestaltung von Lernumgebungen und zur Analyse von Lern- und Entwicklungschancen der Lernenden in der beruflichen Erstausbildung.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Didaktik in der kaufmännischen Aus- und Weiterbildung (Seminar) <i>Inhalte:</i> • Auseinandersetzung mit dem Lern- und Entwicklungspotential von Lernenden im Rahmen des Einsatzes komplexer Lehr-Lern-Umwelten sowie den hiermit verbundenen besonderen fachdidaktischen Herausforderungen • Didaktische, psychologische und modelltheoretische Begründungslinien zur Konstruktion komplexer Lehr-Lern-Arrangements in der beruflichen Aus- und Weiterbildung • Auseinandersetzung mit digital gestützten komplexen Lernsituationen • Auseinandersetzung mit den Entwicklungslinien unterrichtlicher Instruktionsmodelle in der beruflichen Bildung	1 SWS
Lehrveranstaltung: Didaktik in der kaufmännischen Aus- und Weiterbildung (Projektseminar) <i>Inhalte:</i> a. für Studierende des Studiengangs Wirtschaftspädagogik M.Ed. erfolgt eine vertiefte Auseinandersetzung mit den Themen der Vorlesung zu den Ansätzen des situierten, problemorientierten Lernens in schulischen Lernumwelten. b. für Studierende außerhalb des Studienganges Wirtschaftspädagogik M.Ed., speziell für Studierende im Studiengang Wirtschaftspädagogik und Personalentwicklung (M.Sc.) erfolgt eine vertiefte Auseinandersetzung mit den Themen der Vorlesung zu Ansätzen des situierten, problemorientierten und arbeitsplatzbezogenen Lernens in betrieblichen Lernumwelten.	3 SWS

Prüfung: Klausur (90 Minuten) Prüfungsvorleistungen: a. für Studierende des Studiengangs Wirtschaftspädagogik M.Ed.: regelmäßige Teilnahme, fachdidaktische Planung, Ausarbeitung und Umsetzung eines situiereten, problemorientierten Lernangebots im Kontext komplexer Lehr-Lern-Arrangements im kaufmännischen Unterricht b. für Studierende außerhalb des Studienganges Wirtschaftspädagogik M.Ed.: regelmäßige Teilnahme, fachdidaktische Planung und Ausarbeitung eines komplexen Lehr-Lern-Arrangements für die kaufmännische betriebliche Aus- und Weiterbildung	6 C
Prüfungsanforderungen: a. Nachweis von (fachdidaktischen) Kompetenzen zur Beurteilung des Lern- und Entwicklungspotentials situierter, problemorientierter Lehr-Lern-Umwelten und ihrer Umsetzung in verschiedenen komplexen Lehr-Lern-Arrangements sowie von Kompetenzen zur Bewertung der besonderen fachdidaktischen Herausforderungen methodischer Großformen in der kaufmännischen Berufsausbildung b. Nachweis von (fachdidaktischen) Kompetenzen zur Beurteilung des Lern- und Entwicklungspotentials situierter, problemorientierter Lehr-Lern-Umwelten und ihrer Umsetzung in verschiedenen komplexen Lehr-Lern-Arrangements sowie von Kompetenzen zur Bewertung des Lernpotentials kaufmännischer Arbeitsplätze in der kaufmännischen betrieblichen Ausbildung	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber
Angebotshäufigkeit: jedes Semester; das Projektseminar b wird nur im WS angeboten	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1
Maximale Studierendenzahl: 40	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0010: Unterrichtsqualität, schul- und unterrichtspraktische Studien und Praktikum <i>English title: Theory and Practice of School Exercises</i>	9 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden sind nach Absolvieren des Moduls in der Lage, Lehr-Lern-Einheiten unter der Perspektive fachdidaktischer Schwerpunktthemen (z. B. makro- und mikrosequenzielle Anordnung von Lerninhalte, Classroom Management, kognitive Aktivierung, selbst organisiertes Lernen, sprachsensibler Unterricht, Klarheit und Strukturiertheit, kommunikative Strukturen im Unterricht, adaptive Unterrichtsgestaltung und Binnendifferenzierung) zu analysieren und auf Basis der Ergebnisse der empirischen Unterrichtsforschung wissenschaftlich begründet zu konstruieren. Sie können videografierte Unterrichtseinheiten unter besonderer Berücksichtigung eines Schwerpunktthemas der unterrichtlichen Tiefenstruktur analysieren und eigenen Unterricht unter besonderer Berücksichtigung der Qualitätsdimensionen des Unterrichts planen und mit Blick auf die Lernwirksamkeit kritisch reflektieren. Sie sind in der Lage, eine mehrperspektivische Analyse des eigenen Unterrichts umzusetzen. In Vorbereitung auf das Unterrichtspraktikum sind die Studierenden in der Lage, einen Unterrichtsentwurf auf Basis ausgewählter Aspekte der unterrichtlichen Tiefenstruktur in Kleingruppen zu erarbeiten und im Plenum zu präsentieren. Dabei begründen sie ihre Ausarbeitungen vor dem Hintergrund zentraler, evidenzbasierter Merkmale der Unterrichtsqualität. Mit der Erprobung von Lerneinheiten in der Praxisphase erweitern die Studierenden ihr fachdidaktisches Wissen zur Unterrichtsanalyse und -planung und erhöhen über die Durchführung einer mehrperspektivischen Analyse des eigenen Unterrichts ihre Reflexionsfähigkeit hinsichtlich der Wirksamkeit des Unterrichtsangebots und des eigenen unterrichtlichen Handlungsrepertoires auf die Qualität der Lernprozesse. Sie sind zudem in der Lage, Unterricht kriteriengeleitet zu beobachten und diesen hinsichtlich seiner Qualität anhand von Basisdimensionen der Unterrichtsqualität zu beurteilen.	Arbeitsaufwand: Präsenzzeit: 156 Stunden Selbststudium: 114 Stunden
Lehrveranstaltung: Unterrichtsqualität, schul- und unterrichtspraktische Studien und Praktikum (Vorbereitung auf das Schulpraktikum) (Seminar) <i>Inhalte:</i> • makro- und mikrosequenzielle Anordnung der Lerninhalte, • Bestimmungsmerkmale des lernfeldorientierten Unterrichts, Ausarbeitung einer Lernsituation, • Merkmale effektiven Unterrichts und Aspekte der Tiefenstruktur des Unterrichts (z. B. kognitive Aktivierung der Lernenden, Klarheit und Strukturiertheit des Unterrichtsangebots, Passung des Lernangebots in heterogenen Lerngruppen, sprachsensibler Unterrichts, Classroom-Management), • Konzept des selbst organisierten Lernens, • didaktische Reduktion und lernpsychologische Komplexion, • Kommunikation im Unterricht,	2 SWS

• Analyse videografierten Unterrichts hinsichtlich ausgewählter Qualitätsdimensionen des Unterrichts, • mehrperspektivische Reflexion des Unterrichts.		
Lehrveranstaltung: Unterrichtsqualität, schul- und unterrichtspraktische Studien und Praktikum (Tutorium) <i>Inhalte:</i> • Erstellung eines Planungsentwurfs für eine Unterrichtseinheit unter besonderer Berücksichtigung eines Schwerpunktthemas der didaktischen Tiefenstruktur des Unterrichts, • kooperative Sozialformen im Unterricht.		1 SWS
Lehrveranstaltung: Unterrichtsqualität, schul- und unterrichtspraktische Studien und Praktikum (Reflexion während des Schulpraktikums) (Seminar) <i>Inhalte:</i> • theorie- und kriteriengeleitete Reflexion der Praktikumserfahrungen (Vorstellung von best practice) mit Blick auf die individuell gewählten Schwerpunkte der unterrichtlichen Tiefenstruktur, • Reflexion der Handlungsfelder von Wirtschaftspädagogen in der kaufmännischen Aus- und Weiterbildung vor dem Hintergrund der Praxiserfahrungen, • Reflexion der eigenen unterrichtlichen Praxiserfahrungen – Analyse von Anforderungs- und Problemsituationen.		1 SWS
Prüfung: Praktikumsbericht (max. 20 Seiten) Prüfungsvorleistungen: Regelmäßige Teilnahme und Analyse einer lernfeldorientierten Unterrichtseinheit unter besonderer Berücksichtigung eines Schwerpunktes der Tiefenstruktur des Unterrichts.		9 C
Prüfungsanforderungen: Im Rahmen des Praktikumsberichts legen die Studierenden unter Angabe fachdidaktischer und lernpsychologischer Begründungslinien zwei komplette Unterrichtsplanungen dar, reflektieren den eigenen Unterricht und diskutieren den eigenen sowie beobachteten Unterricht unter der ausgewählten fachdidaktischen Schwerpunktsetzung.		
Zugangsvoraussetzungen: M.WIWI-WIP.0009 Didaktik in der kaufmännischen Aus- und Weiterbildung	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber	
Angebotshäufigkeit: jedes Sommersemester	Dauer: 2 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 3	
Maximale Studierendenzahl: 50		
Bemerkungen:		

Die Präsenzzeit setzt sich zusammen aus: 56 Stunden in beiden Seminaren und 100 Stunden in der Schule im Rahmen eines fünfwöchigen Praktikums.

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0011: Digitale Kompetenzdiagnostik <i>English title: Digital Competence Diagnostics</i>	6 C 4 SWS
Lernziele/Kompetenzen: Die Studierenden besitzen umfassende Kenntnisse zu Aufgaben und Funktionen pädagogisch-psychologischer Diagnostik in schulischen und betrieblichen Anwendungsfeldern der beruflichen Bildung. Sie können Gegenstände, zentrale Verfahren und konkrete Instrumente der Beurteilung individueller Lernvoraussetzungen, -verläufe und -leistungen anhand ausgewählter Beispiele erläutern und begründet bewerten. Dabei können sie erworbene Kenntnisse zu Bezugsnormen, potentiellen Beurteilungsfehlern, wissenschaftlichen Gütekriterien und Zielsetzungen von Assessment sowie Lern- und Leistungsdiagnostik in institutionalisierten Bildungsprozessen anwenden. Sie sind in der Lage, die Rolle pädagogisch-psychologischer Diagnostik im Kontext gesellschaftlicher, politischer und institutioneller Erfordernisse kritisch zu reflektieren. Sie können wahlweise für schulische oder betriebliche Einsatzfelder die in der Veranstaltung kennengelernten Inhalte auf ein eigenes kompetenzdiagnostisches Projekt in Gruppenarbeit anwenden und bauen ihre Kompetenzen in der Koordination von kollaborativen Projektarbeiten aus.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 124 Stunden
Lehrveranstaltung: Digitale Kompetenzdiagnostik (Vorlesung) <i>Inhalte:</i> • Anlässe, Funktionen und Strategien pädagogisch-psychologischer Diagnostik in der beruflichen Bildung • Rechtliche und ethische Aspekte der beruflichen Lern- und Leistungsdiagnostik • Kompetenzdiagnostische Modelle • Gütekriterien pädagogisch-psychologischer Diagnostik • Beurteilungsfehler • Diagnostische Verfahren der Individualdiagnostik einschließlich Förderdiagnostik • Bezugsnormen der Leistungsbeurteilung • Lernförderliche Leistungsrückmeldungen an Teilnehmende beruflicher Aus- und Weiterbildung • Konstruktion, Analyse und Einsatz von (Prüfungs-)Aufgaben zur Bewertung beruflicher Handlungskompetenzen • Anwendungsbereiche von Automatisierung, Künstlicher Intelligenz (KI) und Machine Learning (ML) für berufliche Kompetenzdiagnostik • Digitale diagnostische Tools für die kaufmännische Bildung	2 SWS
Lehrveranstaltung: Digitale Kompetenzdiagnostik (Seminar) <i>Inhalte:</i> Es werden Inhalte der Vorlesung vertieft und auf konkrete Fallbeispiele angewandt.	2 SWS
Prüfung: Hausarbeit (max. 12 Seiten) Prüfungsvorleistungen: Regelmäßige Teilnahme am Seminar; Einzel- oder Gruppenarbeit und Präsentation eines diagnostischen Projekts.	6 C

Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung nach, dass sie Kenntnisse zu Funktionen, Verfahren, Gütekriterien und Instrumenten der pädagogisch-psychologischen Diagnostik in der beruflichen Aus- und Weiterbildung anwenden und kritisch reflektieren können.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Viola Deutscher
Angebotshäufigkeit: jedes Semester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 3 - 4
Maximale Studierendenzahl: 35	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0012: Berufsbildungspolitik und Steuerung beruflicher Aus- und Weiterbildung <i>English title: Vocational Education Policy and Governance in Vocational Education and Training</i>	6 C 3 SWS
Lernziele/Kompetenzen: Die Studierenden können die Struktur beruflicher Ausbildung und beruflicher Weiterbildung jeweils auf der Grundlage eines Mehrebenenmodells beschreiben. Sie sind in der Lage, Funktionen und Ziele beruflicher Aus- und Weiterbildung vor dem Hintergrund normativer Bezugspunkte zu erörtern und dabei auftretende Zielkonflikte unter Berücksichtigung von Strukturen, institutionellen Rahmenbedingungen und Interessen verschiedener Akteure abzuwägen. Sie können aktuelle bildungspolitische und strukturelle Entwicklungen in der beruflichen Aus- und Weiterbildung vor dem Hintergrund von Steuerungstheorien und Akteurskonstellationen bewerten. Die Studierenden kennen Ziele und Steuerungsinstrumente europäischer Berufsbildungspolitik, können diese vor dem Hintergrund politischer und ökonomischer Rahmenbedingungen reflektieren sowie Herausforderungen der beruflichen Aus- und Weiterbildung zur Sicherung von Wettbewerbsfähigkeit, sozialer Kohäsion, Nachhaltigkeit und internationaler Arbeitsmarktmobilität erörtern. Die Studierenden verfügen über Kompetenzen, eine problemorientierte Fragestellung zur Beurteilung der Leistungsfähigkeit beruflicher Aus- und Weiterbildung (auch international vergleichend) zu formulieren und vor dem Hintergrund einschlägiger theoretischer Ansätze zu bearbeiten. Dabei können sie aktuelle gesellschaftliche Herausforderungen für die berufliche Aus- und Weiterbildungspolitik sowie deren Implikationen für Akteure und Adressaten theoriegeleitet und aus verschiedenen Perspektiven diskutieren.	Arbeitsaufwand: Präsenzzeit: 42 Stunden Selbststudium: 138 Stunden
Lehrveranstaltung: Berufsbildungspolitik und Steuerung beruflicher Aus- und Weiterbildung (Seminar) <i>Inhalte:</i> • Steuerungs- und Handlungskoordination der beruflichen Aus- und Weiterbildung, • Educational Governance: ausgewählte Theorieansätze und Steuerungsebenen beruflicher Aus- und Weiterbildung (Mikro-, Meso-, Exo- und Makroebene), • Steuerungswissen und Steuerungsinstrumente sowie Qualitätssicherung in der beruflichen Aus- und Weiterbildung, • nationale und internationale Akteure beruflicher Aus- und Weiterbildung, • europäische Berufsbildungspolitik, • europäische Aus- und Weiterbildung im internationalen Vergleich.	3 SWS
Prüfung: Hausarbeit (max. 12 Seiten) Prüfungsvorleistungen: Regelmäßige Teilnahme; Gruppenpräsentation zu einem ausgewählten Thema des Moduls .	6 C
Prüfungsanforderungen:	

Selbständige wissenschaftliche Auseinandersetzung mit ausgewählten systemischen, institutionellen und aktuellen bildungspolitischen Fragestellungen der beruflichen Aus- und Weiterbildung.	
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 2
Maximale Studierendenzahl: 32	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0013: Vertiefende Fachdidaktik und Unterrichtsforschung Wirtschaftswissenschaften <i>English title: Business and Economics Education: Advanced Didactics and Research on Instruction</i>	6 C 3 SWS
Lernziele/Kompetenzen: Die Studierenden kennen verschiedene lernpsychologische und fachdidaktische Theorien zur Beurteilung von Unterricht. Sie sind in der Lage, wirtschaftspädagogische Studien aus dem Bereich der Lehr-Lernforschung vor dem Hintergrund lernpsychologischer Theorien und unterrichtsdidaktischer Ansätze sowie im Hinblick auf die wissenschaftstheoretische und forschungsmethodische Fundierung zu analysieren und zu beurteilen. Sie können die getroffenen Einschätzungen fachsprachlich angemessen vorstellen, in der Gruppe diskutieren und sich mit gegenläufigen disparaten Positionen der Seminarteilnehmer/-innen auseinandersetzen. Die Studierenden sind darüber hinaus in der Lage, lernpsychologische Theorien (z.B. Anchored Instruction Ansatz, Cognitive Apprenticeship Approach, Cognitive Load Theory) und Modelle effektiven Unterrichts begründet auszuwählen und für die Modellierung digital gestützter und komplexer kaufmännischer Lernaufgaben und Lernsequenzen heranzuziehen. Durch die Entwicklung dieser Aufgaben bzw. Lernsequenzen in Teamarbeit werden soziale und kommunikative Fähigkeiten ausgebaut. Die Studierenden können die entwickelten Aufgaben bzw. Lernsequenzen mit Blick auf ihr kognitives Potenzial erörtern und systematisch so modifizieren, dass diese in verschiedenen Lern- und Leistungssituationen bei heterogenen Lerngruppen eingesetzt werden können. Die entwickelten Lernsequenzen werden im Seminar simuliert (oder in der Unterrichtspraxis an kaufmännischen Schulen erprobt). Durch die abschließende Selbsteinschätzung und die systematische Auseinandersetzung mit offenem und kriteriengeleitetem Feedback über die entwickelten Lernaufgaben bzw. Lernsequenzen durch Dozent*innen oder andere eingeladene (bzw. begleitende) Unterrichtsexpert*innen bauen die Studierenden reflexive Lehrkompetenzen aus.	Arbeitsaufwand: Präsenzzeit: 42 Stunden Selbststudium: 138 Stunden
Lehrveranstaltung: Vertiefende Fachdidaktik und Unterrichtsforschung Wirtschaftswissenschaften (wechselnde Schwerpunktthemen) (Seminar) <i>Inhalte:</i> • Lernpsychologische und fachdidaktische Theorien, • digital gestützte Lern- und Prüfungsaufgaben, • kognitive Anforderungen kaufmännischer Aufgaben und deren Einsatz in heterogenen Lerngruppen, • Emotional Design kaufmännischer Lern- und Prüfungsaufgaben.	3 SWS
Prüfung: Hausarbeit (max. 12 Seiten) Prüfungsvorleistungen: Präsentation, Diskussion und Simulation einer lernpsychologisch und fachdidaktisch begründeten komplexen Aufgabe oder Lernsequenz aus dem Bereich wirtschaftlicher Lehr-Lern-Gegenstände (ca. 30 Minuten), regelmäßige Teilnahme.	6 C

Prüfungsanforderungen: In der Hausarbeit setzen sich die Studierenden selbstständig mit fachdidaktischen Problemen aus dem Bereich der Wirtschaftswissenschaften auseinander. Sie entwickeln und begründen Aufgaben bzw. Lernsequenzen auf Basis lernpsychologisch und fachdidaktisch begründeter Konzepte und reflektieren deren Erprobung kritisch.	
Zugangsvoraussetzungen: M.WIWI-WIP.0009 Didaktik in der kaufmännischen Aus- und Weiterbildung	Empfohlene Vorkenntnisse: M.WIWI-WIP.0010 Unterrichtsqualität, schul- und unterrichtspraktische Studien und Praktikum
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2
Maximale Studierendenzahl: 32	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0015: Future Work Skills und Implikationen für die Personalentwicklung <i>English title: Future Work Skills and Implications for Human Resource Development</i>	6 C 2 SWS
Lernziele/Kompetenzen: Die Studierenden befassen sich mit Dynamiken des gesellschaftlichen Wandels und können verschiedene Megatrends, deren Entwicklungslinien und Zusammenwirken mit Blick auf die Arbeitswelt erörtern. Diese Wandlungstrends führen zu qualitativen Veränderungen in den Kompetenzprofilen (z. B. „future work skills“) und stellen die betriebliche Bildungsarbeit vor neue Rahmenbedingungen, u.a. ein verändertes Zusammenspiel von institutionalisierten und informellen Lernprozessen. In der Vorlesung setzen sich die Studierenden mit verschiedenen zentralen Konstrukten betrieblicher Bildungsarbeit auseinander, u. a. mit dem Kompetenzkonzept und unterschiedlichen Ansätzen berufliche Kompetenzen zu beschreiben (z. B. O*Net Deskriptoren). Darüber hinaus verfügen sie über differenziertes Wissen zu „future work skills“ und können die darunter subsumierten Kompetenzen und Fähigkeiten auf Basis verschiedener theoretischer Ansätze beschreiben sowie Probleme ihrer Förderung in beruflichen und betrieblichen Handlungskontexten aus verschiedenen Perspektiven erörtern. Die Studierenden kennen verschiedene Ansätze zur Klassifizierung lebenslangen Lernens (z. B. Classification of learning activities). Sie sind in der Lage, verschiedene traditionelle und moderne Formen betrieblicher Weiterbildung zu reflektieren. Sie können Prinzipien einer zukunftsorientierten Gestaltung von betrieblichen Lernprozessen, u.a. Lebensphasen- und Diversity-Orientierung, Orientierung an spezifischen Zielgruppen und Individualisierung, begründen und ihre Anwendung anhand von Beispielen erörtern. Die Studierenden sind in der Lage, Chancen und Risiken des Lernens im Prozess der Arbeit vor dem Hintergrund der Lernförderlichkeit von Arbeitsplätzen und der Lernkultur sowie der Arbeitsorganisation in Unternehmen abzuwägen. Sie charakterisieren Stärken und Schwächen verschiedener Instrumente der betrieblichen Kompetenzentwicklung und können deren situationsangemessen Einsatz abwägen und begründen.	Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 152 Stunden
Lehrveranstaltung: Future Work Skills und Implikationen für die Personalentwicklung (Vorlesung) <i>Inhalte:</i> • Auseinandersetzung mit zentralen Konstrukten wie Kompetenz, Bildung, Qualifikation • Kompetenztheorien, Kompetenzmodelle und Kompetenzraster • Future work skills • Internationale Klassifikation von „learning activities“ • Formen des betrieblichen Lernens • Lernförderlichkeit von Arbeitsumgebungen • Betriebliche Lernkulturen und Wissensmanagement in Unternehmen • Rolle von Weiterbildung im Rahmen von Corporate Social Responsibility (CSR)	2 SWS

Prüfung: Klausur (60 Minuten) Prüfungsvorleistungen: Vertiefte Auseinandersetzung mit future works skills, learning activities und mit einer zukunftsorientierten Gestaltung betrieblicher Lernprozesse im Rahmen einer Gruppenpräsentation (Poster, ggfs. anderes Präsentationsmedium).		6 C
Prüfungsanforderungen: Die Studierenden weisen in der Modulprüfung Kompetenzen zur kritischen Reflexion der Zusammenhänge zwischen gesellschaftlichen Wandlungstrends, future work skills und Gestaltungsprinzipien betrieblicher Lernprozesse nach. Sie können zudem die Relevanz und Probleme der Kompetenzentwicklung aus individueller, betrieblicher und gesellschaftlicher Sicht aufzeigen, Interessenskonflikte in der betrieblichen Personalentwicklungsarbeit erkennen und kritisch abwägen. Sie weisen nach, dass sie verschiedene didaktische Möglichkeiten zur Förderung der betrieblichen Kompetenzentwicklung bei unterschiedlichen Lernaktivitäten in konkreten Situationen begründet auswählen können.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber	
Angebotshäufigkeit: jedes Wintersemester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 2 - 4	

Georg-August-Universität Göttingen Modul M.WIWI-WIP.0016: Vertiefende Fachdidaktik der (Wirtschafts-)Informatik <i>English title: Subject Didactics of Business Information Systems</i>	10 C 4 SWS
Lernziele/Kompetenzen: Das Modul Fachdidaktik der (Wirtschafts-)Informatik zielt darauf ab, den Studierenden fachdidaktische Kompetenzen zu vermitteln, (Wirtschafts-)Informatik handlungs- und problemorientiert in der beruflichen Bildung zu unterrichten. Dabei erwerben die Studierenden vertiefende Kompetenzen in der Unterrichtsplanung, -gestaltung und -reflexion. Ein besonderer Schwerpunkt liegt dabei in der Förderung von Kompetenzen der Vermittlung konzeptuellen Modellierens bei angehenden Informatik-Fachkräften. Die Studierenden setzen sich intensiv mit aktuellen Entwicklungen in der Informatik auseinander und lernen, das Fachgebiet (Wirtschafts-)Informatik im Kontext seiner Entwicklung zu differenzieren. Zudem werden informationstechnische Berufsbilder behandelt, wobei die Studierenden in der Lage sind, die Kompetenzanforderungen vor dem Hintergrund technologischer Entwicklungen zu diskutieren. Darüber hinaus können sie informationstechnische Anforderungen in kaufmännischen Berufen umfassend erörtern und anhand konkreter Geschäftsprozesse veranschaulichen. Auch die Reflexion über die Veränderungen betrieblicher Informationssysteme und deren Bedeutung für die berufliche Bildung gehört zu den erworbenen Kompetenzen. Inhaltlich vertiefen die Studierenden ihr Wissen über E-Business, E-Commerce, IT-Sicherheit, Datenbanken (z. B. SQL), Anwendungssystementwicklung (z. B. Java), Webentwicklung (z. B. PHP, HTML) vor dem Hintergrund eines kompetenzorientierten, kognitiv-aktivierenden und adaptiven Unterrichts. Die Studierenden verfügen am Ende des Moduls über Kompetenzen zur Konstruktion selbstgesteuerter und sozial-interaktiver, kollaborativer Lehr-Lernsituationen und der Modellbildung im Informatik-Unterricht. Sie können sich kritisch-reflexiv mit zentralen Inhalts- und Problemfeldern, Begriffen und Konzepten der Didaktik der Informatik auseinandersetzen. Sie sind in der Lage Lehr-Lernprozesse in der Informatik unter fachlichen, fachdidaktischen und lerntheoretischen Begründungen zu planen (Erarbeitung eines Unterrichtsentwurfs), zu simulieren (Mikro-Teaching) und zu reflektieren.	Arbeitsaufwand: Präsenzzeit: 56 Stunden Selbststudium: 244 Stunden
Lehrveranstaltung: Vertiefende Fachdidaktik der (Wirtschafts-)Informatik (Seminar) <i>Inhalte:</i> • (Wirtschafts-)Informatik im Kontext kaufmännischer Berufe • Informationstechnische Berufsbilder • Digitalisierungsbezogene Veränderungen in Kompetenzanforderungen in kaufmännischen und IT-technischen Berufen • Betriebliche Informationssysteme, E-Business und E-Commerce, Datenbanken, Anwendungssystem- und Webentwicklung, IT-Sicherheit • Modellbildung im Informatik-Unterricht (Algorithmisierung, Sprache und strukturierte Zerlegung als „Master-Ideen“ der informatischen Modellbildung) • Curriculare Grundlagen der (Wirtschafts-)Informatik und informationstechnische Lernfelder in kaufmännischen Berufen	4 SWS

• Planung, Durchführung und Reflexion von Informatik-Unterricht • Konstruktion komplexer, offener Lernumgebungen zur Förderung selbstorganisierten und problemorientierten Lernens in der (Wirtschafts-)Informatik		
Prüfung: Präsentation (ca. 90 Minuten) mit schriftlicher Ausarbeitung (max. 18 Seiten), siehe Bemerkungen Prüfungsvorleistungen: Regelmäßige Teilnahme		10 C
Prüfungsanforderungen: Die Studierenden planen und reflektieren einen Unterrichtsentwurf (90min) für den Bereich (Wirtschafts-)Informatik an kaufmännischen Schulen. Der Entwurf wird fachlich, fach- und mediendidaktisch sowie pädagogisch-psychologisch begründet und reflektiert sowie dem Plenum präsentiert.		
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch, Englisch	Modulverantwortliche[r]: Prof. Dr. Susan Seeber	
Angebotshäufigkeit: jedes 3. Semester	Dauer: 1 Semester	
Wiederholbarkeit: zweimalig	Empfohlenes Fachsemester: 1 - 3	
Bemerkungen: Prüfungsform: Präsentation (ca. 90 Minuten, Vorstellung eines Unterrichtsentwurfs zu einem Thema der (Wirtschafts-)Informatik (Präsentation/Mikroteaching von je ca. 45 Minuten)) mit schriftlicher Ausarbeitung (max. 18 Seiten, kompetenz- und problemorientierter Unterrichtsentwurf im Bereich (Wirtschafts-)Informatik mit Reflexion)		

Georg-August-Universität Göttingen Modul SK.CBL.001: Nachhaltige Entwicklung <i>English title: Sustainable development</i>		3 C (Anteil SK: 3 C) 2 SWS
Lernziele/Kompetenzen: Nach erfolgreicher Teilnahme an der Vorlesungsreihe „Nachhaltige Entwicklung“ sind die Studierenden in der Lage, • den grundlegenden Ansatz und Beitrag einzelner Forschungsdisziplinen zur nachhaltigen Entwicklung zu verstehen sowie Zusammenhänge und Unterschiede zu erklären, • gesellschaftsrelevante Fragen der Nachhaltigkeit unter Berücksichtigung von ökologischen, sozialen und ökonomischen Dimensionen zu ergründen, • Wissen und Erkenntnisse aus verschiedenen Fachrichtungen zu integrieren, um komplexe gesellschaftsrelevante Nachhaltigkeitsthemen zu verstehen und kritisch zu hinterfragen, • die Notwendigkeit interdisziplinärer Zusammenarbeit und der Einbeziehung unterschiedlicher Perspektiven auf Nachhaltigkeitsforschung zu begreifen, • aktiv an interdisziplinären Diskussionen teilzunehmen und ihre Ideen und Ansichten zu verteidigen und zu erklären, • die erworbenen Kenntnisse in der jeweiligen Disziplin zu vertiefen und sich in gesellschaftlichen Diskussionen und Projekten zum Wohle der Allgemeinheit einzubringen. (Disziplinspezifische Vertiefungen zum Thema Nachhaltigkeit werden in weiterführenden Modulen der Studienprogramme der Fakultäten angeboten.)		Arbeitsaufwand: Präsenzzeit: 28 Stunden Selbststudium: 62 Stunden
Lehrveranstaltung: Nachhaltige Entwicklung		2 SWS
Prüfung: Klausur (60 Minuten), unbenotet Prüfungsvorleistungen: Nachweis von Grundkenntnissen der Nachhaltigkeit und Nachhaltigkeitsforschung einzelner Disziplinen, Nachweis von Kenntnissen fachlicher Zusammenhänge und interdisziplinärer Zusammenarbeit sowie Verständnis der Wirkungen unterschiedlicher Perspektiven auf Nachhaltigkeitsthemen. Es wird dringend empfohlen, regelmäßig an der Vorlesung teilzunehmen!		3 C
Zugangsvoraussetzungen: keine	Empfohlene Vorkenntnisse: keine	
Sprache: Deutsch	Modulverantwortliche[r]: Dr. Simone Pfeiffer	
Angebotshäufigkeit: jedes Sommersemester	Dauer: 1 Semester	
Wiederholbarkeit: gemäß Prüfungs- und Studienordnung	Empfohlenes Fachsemester: 3	
Maximale Studierendenzahl: 300		