

LMU
DEPARTMENT OF ECONOMICS

COURSE CATALOGUE
COMPULSORY COURSES

BACHELOR IN ECONOMICS

Preliminary Remarks

You will find in the following a compilation of information about the compulsory courses in Economics¹ for bachelor students in Economics at LMU – University of Munich².

Please note that the syllabus and course structure only serves as an orientation and is not binding.

A legal claim cannot be derived from information given here!

Aim of compilation is to provide interested persons without proficiency in the German language with the relevant information in regard of the compulsory part in Economics of our bachelor's program.

Please note that the **official language** of our bachelor's program is **German** and due to the regulations of LMU **all courses** you will find described in the following are taught **in German language only**. **Exams are according to the examination regulations in German only, too**. There is no exception from this rule.

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¹ Please note: the bachelor's program consists in addition to the compulsory part in Economics of several compulsory courses in Business administration, Mathematics, and Statistics. Compulsory courses in total sum up to 120 ECTS. To obtain the necessary 180 ECTS for graduation a student has in addition to the compulsory courses to achieve ECTS points in several optional modules (with at least 30 ECTS in Economics), to successfully take part in a seminar and to hand in a Bachelor's thesis. You may find detailed information about the program on our department's homepage, but in German only.

² According to the examination regulations of 2008.

Microeconomics I	
Module Microeconomics	
Professor / Lecturer	Kocher, Martin / Schmidt, Klaus / Schnitzer, Monika / N.N.
Course type	Lecture
Hours per week	4
Exam	Module exam; GOP ³
Cycle	Summer- and winter term
ECTS-Points:	9
Syllabus/Course Outline: The course covers the important parts of microeconomics. The course aims at giving students a solid introduction as well as a general overview of the essential questions of microeconomics. Microeconomics analyses the economic behavior of households and firms and the functioning of markets and other institutions, where households and firms interact..	
1. Introduction 2. a simple market model 3. rational consumer behavior 4. utility maximization 5. demand 6. consumer surplus and production 7. costs 8. supply under competition 9. equilibrium under competition 10. external effects and public goods 11. monopoly and price discrimination 12. game theory 13. oligopoly theory 14. moral hazard and adverse selection	
Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): Varian, Hal: <i>Intermediate Microeconomics: A Modern Approach</i> , 7. edition, New York: W.W. Norton; Frank, Robert: <i>Microeconomics and Behavior</i> , 7. Edition, New York: McGraw-Hill, 2007.	

³ GOP: „Grundlagen- und Orientierungsprüfung“. According to the examination regulations every student has to have passed this exam at the end of her/his second semester in the program or he/she cannot continue the program. There is no exception from this rule.

<i>Compulsory Tutorial Microeconomics I</i>	
Module Microeconomics	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	4
Exam	Module exam; GOP
Cycle	Summer- and winter term
Lecture and tutorial are intertwined and should be taken together. In the lecture the concepts are introduced and discussed. The tutorial gives supplementary practice questions, case studies and experiments. Participants should keep in mind that four to six hours per week are necessary for solving the practice questions and the compulsory reading.	

Additional Information: The total of hours in classroom of the module Microeconomics is 120 hours. The total workload according to the Bologna regulations equals 270 hours.

Macroeconomics I	
Module Macroeconomics	
Professor / Lecturer	Flaig, Gebhard / Illing, Gerhard / N.N.
Course type	Lecture
Hours per week	4
Exam	Module exam
Cycle	Summer and winter term
ECTS-Points:	9
<p>Macroeconomics addresses the basic problems of economic policy as discussed in the daily newspapers. An important part of the lecture is to learn to understand the overall economic context and understand which factors are important.</p>	
<p>Course outline:</p> <ol style="list-style-type: none"> 1. foundations of macroeconomic analysis (chapter 1-2) 2. macroeconomic analysis in the short run (chapter 3-5) 3. foreign trade equilibrium (chapter 18-20) 4. macroeconomic analysis of the intermediate horizon (chapter 6-9) 5. macroeconomic analysis of the financial crisis (chapter 22) 	
<p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): <u>Makroökonomie</u>, von Olivier Blanchard und Gerhard Illing, 5.aktualisierte Auflage, Pearson Studium,ISBN 3-8273-7209-7</p>	

<i>Tutorial Macroeconomics I</i>	
Module Macroeconomics	
Professor / Lecturer	t. b. a.
Course type	Tutorial
Hours per week	4
Exam	Module exam
Cycle	Summer and winter term
<p>Lecture and tutorial are intertwined and should be taken together.</p> <p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): <u>Übungen zur Makroökonomie</u>, von Josef Forster, Uli Klüh und Stephan Sauer, 3. aktualisierte Auflage, Begleitendes Übungsbuch zu Makroökonomie von Blanchard/Illing, Pearson Studium</p>	

Additional Information: The total of hours in classroom of the module Macroeconomics is 120 hours. The total workload according to the Bologna regulations equals 270 hours.

Empirical Economics I	
Module Empirical Economics	
Professor / Lecturer	Winter, Joachim / N.N.
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Summer and winter term
ECTS-Points:	6
Prerequisites	Statistics I and II
<p>This lecture teaches the basic methods of econometrics, i.e. it connects the methods of statistical estimation and economic theory. Econometric methods allow us to test the prediction made by the theoretical models of economic and management science. And to give statistically founded predictions of economic choices of individuals, households and firms. After a short revision of the statistical basics the linear regression model is introduced. Starting with one explanatory variable and then moving on to several explanatory variables. After the basics of the linear regression have been covered, applications and problems in practical use will be addressed. This will be followed by the analysis of data from experiments, models of discrete</p>	
<p>Syllabus:</p> <ol style="list-style-type: none"> 1. Introduction 2. Statistical Basics 3. The linear regression model with one variable 4. The linear regression model with multiple variables 5. Non-linear relation 6. Experiments and natural experiments 7. Binary dependent variables 8. Time series and prognosis models 9. Conclusion and forecast 	
<p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): J. Stock und M. Watson, Introduction to Econometrics, 2. Edition, Boston: Addison-Wesley (2007). The complete slides of the lecture will be available, thus the book is only complementary.</p>	

<i>Tutorial Empirical Economics I</i>	
Module Empirical Economics	
Professor / Lecturer	t.b.a
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Summer and winter term
Working with data sets on the computer is an integral part of the tutorial. The necessary skills are taught in the tutorial. The necessary data files are supplied and the software is available for free.	

Additional Information: The total of hours in classroom of the module Empirical Economics is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Mathematical Methods of Economic Science	
Module Mathematical Methods of Economics	
Professor / Lecturer	Rainer, Helmut / N.N.
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Summer term
ECTS-Points:	6
The aim of the lecture is to familiarize students with the methods of economics and math that are used during their studies.	
Syllabus: <ol style="list-style-type: none"> 1. unconstraint maximization 2. constraint maximization 3. comparative statics 4. theory of consumer demand 5. optimal control theory 	
Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): **Hoy, M., Livernois, J., McKenna, C., Rees, R und Thanasis, S.: Mathematics for Economics, Don Mills, Ontario: Addison-Wesley, 1996 **McKenna, C.J. und Rees, R.: Economics: A Mathematical Introduction, Oxford: Oxford University Press, 1992 *Gravelle, H. und Rees, R.: Microeconomics, London: Longman, 1992 MasColell, W., Green, J. und Whinston, M.: Microeconomic Theory, Oxford: Oxford University Press, 1995 Dixit, A. Optimization in Economic Theory, Oxford: Oxford Univesity Press, 1990 (2. Aulage) Binmore, K.: Calculus, Cambridge: Cambridge University Press, 1983 Chiang, A.: Fundamental Methods of Mathematical Economics, New York: McGraw Hill, 1984	

<i>Tutorial: Mathematical Methods of Economic Science</i>	
Module Mathematical Methods of Economics	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Summer term
Lecture and tutorial are intertwined and should be taken together. In the tutorial the topics of the lecture will be depend with practice questions and case studies.	

Additional Information: The total of hours in classroom of the module Mathematical Methods of is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Microeconomics II	
Module Advanced Microeconomics	
Professor / Lecturer	Herweg, Fabian / Schmidt, Klaus / N.N.
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Winter term
ECTS-Points:	6
<p>This course builds on microeconomics I, and should be taken by all students at the beginning of the second year.</p>	
<p>Syllabus:</p> <ol style="list-style-type: none"> 1. General Equilibrium Theory 1: An exchange economy 2. General Equilibrium Theory: A production economy, welfare 3. Decision under uncertainty : expected utility 4. Decision under uncertainty 2: risk aversion 5. Decision under uncertainty 3: the vNM theorem, paradoxes 6. Introduction to game theory 1: Nash equilibrium in pure strategies 7. Introduction to game theory 2: mixed strategies, dynamic games 8. Oligopoly: quantitative competition 9. Oligopoly: price competition, cartel 10. Moral hazard 1: incentive problems and incentive mechanism 11. Moral hazard 2: mechanism design, credit markets 12. Adverse selection 1: Akerlof's lemon model 13. Adverse selection 2: adverse selection on financial and credit markets. 14. Social choice theory: the Arrow theorem 	
<p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): **Mas-Colell, A., Whinston, M. und J. Green. Microeconomic Theory, Oxford: Oxford University Press, 1995. **Gravelle, H. and R. Rees, Microeconomics, London: Prentice Hall, 3.Auflage, 2004. **Kreps, D., A Course in Microeconomic Theory, New York: Harvester Wheatsheaf, 1990. *Jehle, Geoffrey A.; and Philip J. Reny (2000). Advanced Microeconomic Theory. Addison Wesley, 2nd Edition. *Varian, H.R., Intermediate Microeconomics, New York: Norton, 5.Auflage, 1999. Dutta, Prajit K., Strategies and Games: Theory and Practice, *Cambridge (Mass.): MIT Press, 1999. Milgrom, P. and J. Roberts, Economics, Organisation and Management, London: Prentice Hall, 1992</p>	

<i>Tutorial Microeconomics II</i>	
Module Advanced Microeconomics	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Winter term
Lecture and tutorial are intertwined and should be taken together. The tutorial sheets must be solved before participation in the tutorial!	

Additional Information: The total of hours in classroom of the module Advanced Microeconomics is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Macroeconomics II	
Module Advanced Macroeconomics	
Professor / Lecturer	Sunde, Uwe / N.N.
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Winter term
ECTS-Points:	6
This course builds on macroeconomics I, and should be taken by all students at the beginning of their second year.	
Syllabus <ol style="list-style-type: none"> 1. Neoclassical growth model (Solow-Model) 2. Ramsey-Model 3. ISLM-Model 4. Real Business Cycle Model 5. New Keynesian Model 	
Literature <i>(will be indicated in the lecture)</i>	

<i>Tutorial Macroeconomics II</i>	
Module Advanced Macroeconomics	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Winter term
Lecture and tutorial are intertwined and should be taken together.	

Additional Information: The total of hours in classroom of the module Advanced Macroeconomics is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Empirical Economics II	
Module Advanced Econometrics	
Professor / Lecturer	Flaig, Gebhard / Winter, Joachim
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Summer term
ECTS-Points:	6
<p>The course advanced econometrics builds on introduction to econometrics. Here the knowledge in econometrics will be deepened. The emphasis is on specification problems, expansion of multiple regressions, which are relevant to practical empirical work. The lecture is complemented with an tutorial with the use of computers, using STATA software</p>	
<p>Syllabus:</p> <ol style="list-style-type: none"> 1. The multiple regression model 2. specification problems: Inconsistency of the least square estimator 3. The instrumental variable estimator 4. discrete and limited depend variables 5. regression models with panel data 6. introduction to time series analysis 	
<p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>):</p> <p>* J.M. Wooldridge (2008): \Introductory Econometrics: A Modern Approach", Thomson Southwestern, 4th Edition (English only). Wooldridge Internet Student Resources: https://www.msu.edu/~ec/faculty/wooldridge/books.htm</p> <p>*J.H. Stock & M.W. Watson (2007): \Introduction to Econometrics", Pearson International, 2nd Edition (English only). Stock and Watson Internet Student Resources: http://wps.aw.com/aw_stock_ie_2/50/13016/3332253.cw/index.html</p>	

<i>Tutorial Empirical Econometrics II</i>	
Module Advanced Econometrics	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Summer term
Lecture and tutorial are intertwined and should be taken together.	

Additional Information: The total of hours in classroom of the module Advanced Econometrics is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Topics in Economics I	
Module Topics in Economics	
Professor / Lecturer	Various lecturers
Course type	Lecture series
Hours per week	2
Exam	Module exam
Cycle	Winter term
ECTS-Points:	3
<p>This is an introductory lecture to various topics in economics science. The lecture gives students an overview of the scope, diversity and relevance of economic reasoning, dealt with at this faculty. The Lecturers give introductions to topics of their research. This lecture has to be taken in the first year of studies, in the summer term as well as in the winter term. (Topics I in the winter term and Topics II in the summer term.)</p>	

Topics in Economics II	
Module Topics in Economics	
Professor/ Lecturer	Various lecturers
Course type	Lecture series
Hours per week	2
Exam	Module exam
Cycle	Summer term
ECTS-Points:	3
<p>This is an introductory lecture to various topics in economics science. The lecture gives students an overview of the scope, diversity and relevance of economic reasoning, dealt with at this faculty. The Lecturers give introductions to topics of their research. This lecture has to be taken in the first year of studies, in the summer term as well as in the winter term. (Topics I in the winter term and Topics II in the summer term.)</p>	

Additional Information: The total of hours in classroom of the module Topics in Economics is 30 hours (60 hours for both parts). The total workload according to the Bologna regulations equals 90 hours each (180 hours for both parts).

Introduction to Economic Policy	
Module Introduction to Economic Policy	
Professor / Lecturer	Haufler, Andreas / N.N.
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Summer term
ECTS-Points:	6
<p>The main topic of this course is the relation of market and state as principles of supervision in an economy. After a brief overview on the various forms of market failure in allocative and distributive matter, the lecture gives an introduction to political economy, this deals in particular with inefficiencies in the area of state intervention (public failure). Based on selected policy areas (such as redistribution policy, privatization) the imperfections of market based and state based organization forms are discussed. This should enable students to give a balanced and critical judgment on the question of the right proportion of market and state in an economy.</p>	
<p>Syllabus:</p> <ol style="list-style-type: none"> I. Principles of Welfare Economics <ol style="list-style-type: none"> 1. Introduction 2. The Pareto Principle 3. Social Welfare 4. State and Property Rights 5. Market Economy and Market Failure II. Political Economy <ol style="list-style-type: none"> 6. Majority vote and voting equilibrium 7. competition of parties 8. interest groups and rent seeking 9. bureaucracy and the Leviathan state III. Examples of Application <ol style="list-style-type: none"> 10. public redistribution 11. privatization 12. growth and economic development 	
<p>Literature (<i>basic literature, additional literature will be indicated in the lecture</i>):</p> <ol style="list-style-type: none"> 1. Nicola Acocella (1998): The Foundations of Economic Policy. Cambridge University Press. 2. Friedrich Breyer / Martin Kolmar (2010): Grundlagen der Wirtschaftspolitik, 3. Auflage., Mohr-Siebeck, Tübingen. 3. Dennis C. Mueller (2003): Public Choice III. Cambridge University Press. 	

<i>Tutorial Introduction to Economic Policy</i>	
Module Introduction to economic policy	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Summer term
Lecture and tutorial are intertwined and should be taken together.	

Additional Information: The total of hours in classroom of the module Introduction to Economic Policy is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Resource Allocation and Economic Policy	
Module Public Finance I	
Professor / Lecturer	Holzner, Christian / Meier, Volker / Sinn, Hans-Werner
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Winter term
ECTS-Points:	6
Syllabus:	
1. Introduction 2. capitalistic competition and static allocation optimum with private goods 3. market entry barriers and market power 4. natural monopoly 5. property rights as a basis for the functioning of markets 6. public goods 7. mixed public goods and Allmende goods 8. The environment as public good 9. social choice and public goods	
Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): Corneo, G. (2007): <i>Öffentliche Finanzen: Ausgabenpolitik</i> , Tübingen, Mohr. Hindriks, J., G. Myles (2006): <i>Intermediate Public Economics</i> , Cambridge, MIT Press Wellisch, D. (1999): <i>Finanzwissenschaft I – Rechtfertigung der Staatstätigkeit</i> , Vahlen, München.	

<i>Tutorial Resource Allocation and Economic Policy</i>	
Module Public Finance I	
Professor / Lecturer	t.b.a.
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Winter term
Lecture and tutorial are intertwined and should be taken together.	

Additional Information: The total of hours in classroom of the module Public Finance I is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

The Public Budget: Earnings and Spendings	
Module Public Finance II	
Professor / Lecturer	Holzner, Christian / Meier, Volker / Sinn, Hans-Werner
Course type	Lecture
Hours per week	2
Exam	Module exam
Cycle	Summer term
ECTS-Points:	6
Syllabus: I. Public earning policy: taxes 1. Introduction 2. principles of taxation 3. incidence of taxation 4. excess burden of taxation 5. household taxation 6. taxation of enterprises II. Public Spending: public debt 1. introduction 2. Normative and positive analysis of national debt	
Literature (<i>basic literature, additional literature will be indicated in the lecture</i>): Homburg, S. (2010): <i>Allgemeine Steuerlehre</i> , 6. A., München, Vahlen Keuschnigg, C. (2005): <i>Öffentliche Finanzen: Einnahmenpolitik</i> , Tübingen, Mohr Wellisch, D. (2000): <i>Finanzwissenschaft II: Theorie der Besteuerung</i> , München, Vahlen.	

<i>Complementary Tutorial The Public Budget: Earnings and Spendings</i>	
Module Public Finance II	
Professor / Lecturer	Assistants to the chair Huber/Sinn
Course type	Tutorial
Hours per week	2
Exam	Module exam
Cycle	Summer term
Lecture and tutorial are intertwined and should be taken together.	

Additional Information: The total of hours in classroom of the module Public Finance II is 60 hours. The total workload according to the Bologna regulations equals 180 hours.

Key Qualification I	
Module Seminar and Key Qualification	
Professor / Lecturer	Englmaier, Silke / Neuhoﬀ, Andreas / Riewe, Gerhard / N.N.
Course type	Lecture
Hours per week	3
Exam	Module exam
Cycle	Winter term (currently also offered during the summer term)
ECTS-Points:	3
In this course students will be taught the basis of scientific working.	

Additional Information: The total of hours in classroom for Key Qualification I is 30 hours. The total workload according to the Bologna regulations equals 90 hours.

Key Qualification II	
Module Bachelor Thesis and Key Qualifications	
Professor / Lecturer	t.b.a.
Course type	Lecture
Hours per week	3
Exam	Module exam
Cycle	Winter term (currently also offered during the summer term)
ECTS-Points:	3
The course "Key Qualifications 2: Economics in Action" teaches the practice oriented use of economic knowledge. It aims at developing competences that are useful for various economic occupations. Students should develop capabilities to use their competence in economics in various contexts and to apply to practical problems. Students will also learn to take process oriented decisions, take responsibility and to familiarize themselves with complex topics. Students will be given a project to display the knowledge gained from their studies and how this can contribute to the transfer of knowledge between research and practice.	

Additional Information: The total of hours in classroom for Key Qualification II is 30 hours. The total workload according to the Bologna regulations equals 90 hours.