

# List of courses 2022/2023

## Winter semester

Code of the subject	Name of the subject	ECTS
APBP_ECO	Economics	6
APBP_MFE	Mathematics for Economists	5
APBP_INLA	Introduction to Law	5
APBP_INSO	Introduction to Sociology	4
APBP_COFI	Corporate Finance	5
APBP_PAEU	Public Administration and the European Union	4
PNK_GST	Global Security Threats	4
APBP_BE2	Business English II	3

*Please note that courses offered by Ambis University are subject to change.*

## Economics

### Objective of the course aims of the course unit

To acquaint students with basic economic categories, quantities and models of economic theory as a theoretical basis for the study of related economic and managerial disciplines. Students will master the basic economic theoretical approaches to individual decision-making in solving problems in economic practice. Upon successful completion of this course, students will understand the principles of decision-making of economic entities at the microeconomic level and key factors affecting macroeconomic balance.

### Syllabus

1. Basic economic concepts, economic cycle, limits of production possibilities.

2. Consumer decision-making in product and service markets.
3. Company decision-making in product and service markets.
4. Decision-making of households in factor markets.
5. Decision-making of companies in the markets of production factors.
6. Market equilibrium. Market and company efficiency. Market failure. State microeconomic policy.
7. Measurement of macroeconomic performance. Economic policy, tools and functions.
8. Money market.
9. Determinants of macroeconomic equilibrium in the short run - aggregate demand.
10. Determinants of macroeconomic equilibrium in a short period - aggregate supply.
11. Macroeconomic imbalances, economic cycle, inflation, unemployment.
12. Options for treating macroeconomic imbalances. Economic growth and its determinants.

## Mathematics for Economists

### **Objective of the course - aims of the course unit**

To acquaint students with basic mathematical procedures and possibilities of their use in economics, investing and decision-making. The course is one of the basic elements of the professional part of the field of study.

### **Syllabus**

1. Numerical sets and operations with numbers - representation of numbers (natural, integer, decimal number, fraction, rational and irrational numbers, decimal development of natural number), operations with real numbers, absolute value of a real number and its geometric meaning, representation of real numbers or its approximation on the number axis, sets (basic concepts, set operations of unification, intersection, difference), intervals of real numbers and operations with them, representation on the number axis.
2. Variable, algebraic expressions - introduction, domain, polynomials and operations with them, modifications of expressions, notation of dependencies using variables, modeling of real situation using expressions.
3. Linear and quadratic equations and inequalities - solution of linear equations and inequalities with one unknown, solution of quadratic equations with one unknown, product and quotient form of equations and inequalities.
4. Equations and inequalities with absolute value, higher order equations - linear equations and inequalities with absolute value, quadratic equations with absolute value, zero points of higher degree polynomials.
5. Systems of equations - addition and substitution method, matrix algebra, use of matrices and determinants in solving systems of linear equations, (Gaussian elimination method, Cramer's rule).
6. Propositional logic, combinatorics - propositional logic, tables of truth values of compound propositions, introduction of the term factorial, combination number, Pascal's triangle, binomial theorem, basics of combinatorics: permutations, combinations, variations.
7. Numerical sequences and their properties - search for dependencies, their mathematical interpretation and notation, graphical representation of sequences, properties of sequences (monotonicity, constraint, limits), arithmetic and geometric sequences.
8. Functions and their properties I - introduction of the term, domain, domain of values, graph of a function, basic properties of functions, linear, quadratic and linear polynomial functions.
9. Functions and their properties II - inverse functions, power functions and square root, exponential and logarithmic functions, functions with absolute value, limits of functions.

10. Derivation of a function - definition and basic properties, derivation of elementary and compound functions, tangent and normal to a plane curve.
11. Use of function derivatives - use of the first and second derivatives (monotonicity of a function, extrema, convexity and concavity).
12. The course of a function - drawing a graph of a function that does not belong to the elementary functions.

## Introduction to Law

### **Objective of the course - aims of the course unit**

The course serves as a legal propaedeutics for creating a legal framework for subjects that touch on legal issues and which the student of this program completes in other phases of study.

### **Syllabus**

1. The phenomenon of law, legal norms.
2. Sources of law.
3. Creation of legal norms.
4. Legal cultures.
5. Subjects of law.
6. System of law.
7. Interpretation of law.
8. Implementation of legal standards.
9. Legal relations.
10. Legal liability.
11. Application of law.
12. Rule of law.

## Introduction to Sociology

### **Objective of the course - aims of the course unit**

The aim of the course is to acquaint students with the main principles of sociological approach to the analysis of social phenomena and with the main topics of sociological thinking. Students will learn basic technical terminology, get acquainted with the main sociological theories and areas of sociological analysis. This knowledge will enable them to reflect more deeply on the problems of contemporary society and support the development of their critical thinking. Upon successful completion of this course, students will gain an overview of the main issues, concepts and principles of sociology as a scientific discipline and will significantly expand their cultural and social outlook in the functioning of contemporary societies and their current challenges and problems. Learning outcomes of the course unit are focused on the acquisition of basic knowledge and skills of sociological thinking and their application to the analysis of current social phenomena.

### **Syllabus**

1. Principles of sociology and sociological perspectives, origin of sociology as a science, founders of sociology.
2. Basic sociological paradigms and approaches, main sociological theoretical directions and figures.

3. Culture, individual and society, socialization.
4. Conformity, deviation and social control.
5. Social stratification and inequality, social mobility.
6. Groups, organizations and bureaucracies.
7. Economic system and work, economic globalization.
8. Main characteristics of the labor market in the EU.
9. Basics of demography and main demographic trends in the European context.
10. Urbanization and environment.
11. Mass media and communication.
12. Basics of sociological research methodology and main sociological research methods.

## Corporate Finance

### Objective of the course - aims of the course unit

To acquaint students with important areas of the complex of financial management and financing of companies with emphasis on the key importance of financial stability as a determining factor of competitiveness. Clarify the essence of the described facts and point out the basic principles and characteristics. Define the basic areas of financial management in the context of business management. Explain to students the issue of risk associated with business and the key importance of risk management in the planning and operation of the company.

### Syllabus

1. Basics of business finance.
2. Financial decision-making of the company.
3. Time factor and risk in financial decision making.
4. Risk management.
5. Property and financial structure of the company.
6. Current assets of the company and its management.
7. Financial analysis I.
8. Financial analysis II. "
9. Sources and forms of company financing I.
10. Sources and forms of company financing II.
11. Financial planning.
12. Capital planning and investment decisions.

## Public Administration and the European Union

### Objective of the course - aims of the course unit

The aim is to develop and deepen knowledge in the field of management and economics with theoretical and practical knowledge focused on public administration and self-government, even in relation to the EU. The student will gain an overview of methods, tools and techniques in practice that can be used in management and administration in public administration. The student will acquire practical knowledge of the internal functioning of the management system, including many specifics, pitfalls, examples of good practices and mistakes.

### Syllabus

1. Definitions and terms related to management and economy in public administration.
2. Public administration - legal, economic and organizational aspects, state administration and self-government, connection to the EU.

3. Specifics of management in public administration, theoretical approaches, EU issues.
4. Management models, management according to objectives in public administration.
5. Managerial functions - planning in public administration, including financial planning.
6. Managerial functions - organization in public administration, including structures, creation of documentation.
7. Managerial functions - leadership and motivation in public administration, including remuneration.
8. Managerial functions - control in public administration, including the system of financial control.
9. Duties of senior employees in terms of management and economy in public administration.
10. Analyzes in public administration and their economic aspects.
11. EU issues, international and supranational organizations and public administration.
12. Lecture of an expert from practice - duties and roles of senior employees in terms of management and economy.

## Global security threats

### Objective of the course - aims of the course unit

In this follow-up master's course, students will extend their educational background in the international security issues; they will deepen and update their knowledge of security threats that are constituted in the dynamics of the contemporary global and regional international security situation in relation to the transformation of the existing international order.

The structure of the course reflects the latest discourses and the most up-to-date approaches to security issues in the security studies discipline; students will develop their knowledge and skills by acquiring theoretical and empirical findings which will allow them to properly distinguish individual security threats. They will be familiar with 1) causes/ connections of these threats and 2) typologies and criteria for evaluating these threats.

In addition, in compliance with the requirements of professional experience of security managers at middle and upper levels, students will be equipped with an advanced professional prowess that will enable them to define, evaluate and solve specific security situations, and to avoid decision-making risks. They will be able to take adequate security measures and propose and account for the full range of security policies and their functional alternatives in order to avert/prevent/moderate international security threats.

### Syllabus

1. Theoretical approaches to security I.
2. Theoretical approaches to security II.
3. Key concepts of security governance I.
4. Key concepts of security governance II. (Culture, Peace operations, Responsibility to protect, Humanitarian intervention, International organizations, Global security governance, Statebuilding/Peacebuilding)
5. New security threats as contemporary security challenges I. (International arms trade, Energy security, Intelligence, Cybersecurity, Outer space)
6. New security threats as contemporary security challenges II. (Terrorism/Counterterrorism, Insurgency/Counterinsurgency, Transnational organized crime, Ethnic conflict and religious violence, Resources, the environment and conflict)
7. New security threats as contemporary security challenges III. (Genocide and crimes against humanity, Women's security, Environmental change, Migration and refugees, Pandemics and global health,)
8. Regional security complexes

9. Regional security challenges I. (China's rise, Russia's revival)
10. Regional security challenges II. (Korean peninsula tension, Security in Southeast Asia, India's and Pakistan's security policies)
11. Regional security challenges III. (Middle East crisis: Israeli-Palestinian conflict, Syrian conflicts, Iran's nuclear proliferation, Iraq's regime change)
12. Concluding remark

## Business English II

### Objective of the course - aims of the course unit

It is determined on the basis of an analysis of language needs in relation to the requirements of contemporary economic and social practice that are placed on a university graduate. The second language teaching aims to strengthen and expand the communication skills of our graduates with future foreign language clients and business partners. The aim of the course is to acquire the basic terminology related to staff and human resource development, market entry, financing and expansion. In addition, the course acquires the linguistic competence to conduct a discussion on the topic based on the studied texts. Moreover, the course grasps the differences in staff and human resource development, market entry, financing and also expands and consolidates the vocabulary by means of the provided exercises as well.

### Syllabus

In accordance with the target level B1/B2, the course is determined in relation to the ability of passive comprehension, active communication and the amount of grammatical knowledge. The vocabulary is preferably oriented towards professional communication of an appropriate level so that students learn to express themselves in the professional sphere, especially when communicating with clients and business partners at the level of basic social intercourse. The individual student work is motivated mainly in the horizon of personal communication. Students also use vocabulary from specific professional fields. Students learn the vocabulary related to HR, marketing and business as well. Students are also supposed to talk about those fields mainly from the personal experience and fully comprehend the selected professional spheres. Thanks to the acquired linguistic competence, students are able to lead a discussion on the given topics.

1. Modul – Staff development and training
2. Modul – Job descriptions and job satisfaction
3. Modul – Getting the right
4. Modul – Making contact
5. Modul – Breaking into the the market
6. Modul – Launching a product
7. Modul – A stand at a trade fair
8. Modul – Being persuasive
9. Modul – Starting a business
10. Modul – Financing a start-up
11. Modul – Expanding into Europe
12. Modul – Presenting your business ideas