Faculty: FACULTY OF TELECOMMUNICATIONS AND MANAGEMENT
Department: GENERAL ENGINEERING
Professional Field: 5.13. GENERAL ENGINEERING
Specialty: DIGITAL PUBLIC ADMINISTRATION
Educational-qualification degree: BACHELOR

LEARNING COURSE DESCRIPTION

1. Course title: *FUNDAMENTALS OF ECONOMICS*
2. Course code: B.48.020.1
3. Type of the course: *Compulsory*
4. Level: *Bachelor*
5. Year of study: *Second*
6. Semester: *Third*
7. Number of credits: 6
8. Name of the lecturer: *Prof. Dr. Miglena Temelkova*
9. Course learning outcomes:

The aim of the course is to acquire in-depth knowledge of the fundamental economic problems, variables and prerequisites for the emergence and development of economic processes and phenomena in a globalizing economy.

The tasks are reduced to:

- ✓ acquaintance with the basic economic concepts;
- ✓ acquiring knowledge about the impact of economic processes on business units;
- ✓ building analytical skills to assess the impact and impact of a particular economic problem on a particular market, economic entity, economic system;
- ✓ upgrading the conceptual apparatus related to the discipline with tasks taken from real practice.

Students who have completed their training in the discipline must acquire:

Basic knowledge of the fundamental problems of economics and the principles of economic thinking; the main instruments and objectives of economic policies; the nature of the leading economic measures and the approaches for their calculation; the nature of competition, market structures and forms and mechanisms for achieving market equilibrium; the conditions for optimizing the behavior of consumers and companies; the main theoretical views on how to establish the optimal, cost-effective, efficient and effective development and maintenance, the conditions of full employment and the emergence of inflation.

Practical skills for using the official sources of information about the state of the national economy - above all the official statistical information; analysis of the changes in the economic indicators and orientation in the main tendencies in the development of the economy; practical application of the principles of economic choice and behavior; taking into account the full (alternative) cost for each decision in the economy; ability to analyze the objective economic reality - competitors' markets, costs, revenues, incomes, prices, market structures and forms.

Competencies: Upon completion of the course, students must have mastered the basic economic concepts, models, methods and approaches.

10. Teachingmethods:

The method of teaching is "experience-based learning", as the material is presented in seminar form, in the form of business games and case studies. The use of a group dynamic process allows students to master the basic concepts related to the discipline and to form specific skills.

The training is individualized and the learner is considered to be an active self-organizing individual. Active learning is achieved through action (making), interaction, multimedia, virtual and interactive platforms, through which students independently reach knowledge and apply it in specific practical cases.

11. Prerequisites:

Students should have in-depth knowledge of the following disciplines: Enterprise economy, Industrial Revolutions and the Entrepreneurial Process or Entrepreneurship in the High Technology Business Sector, Fundamentals of Digital Entrepreneurship.

Courses using the discipline are: Fundamentals of Management, Cyber-Physical Production Systems, Additive Manufacturing, Human Resource Management, Controlling High-Tech Manufacturing.

12. Course contents:

The course addresses current topics related to the fundamentals of economics and the economic system, focusing on micro- and macroeconomic concepts, categories and variables. The course forms in the form of a seminar basic knowledge of the fundamental economic concepts applied in economic turnover and business practice.

The whole training is structured in the form of theoretical material, case studies, role-plays and test tasks.

In the course the topics are structured in two main sections. In the first - Microeconomics, basic concepts such as market demand, market supply, market equilibrium, elasticity, utility, company revenues, company costs are defined. In the second section - Macroeconomics Business, are the fundamentals of the economic system.

13. Bibliography

Basic literature:

1. **Кънев, М.** Микроикономика, Мартилен. 2012.
2. **Лалева, Ц.** Икономика. Обща икономическа теория. Мартилен. София, 2017.
3. **Марикина, М.** Макроикономика. Нова звезда. 2012.
4. **Михайлов, Б.** Приложна макроикономика. Нова звезда. 2010.
5. **Ракарова, С.** Пътеводител по микроикономика. НБУ. София, 2014.
6. **Ракарова, С., Стефанов, С.** Пътеводител по макроикономика. НБУ. 2014.
7. **Темелкова, М.** Микроикономика. Макроикономика. ВСУ. Варна, 2011.
8. **Темелкова, М.** Семинарна тетрадка по микро и макроикономика. Колор принт. Варна, 2010.
9. **Blanchard, O., Illing, G.** Makroökonomie (Pearson Studium - Economic VWL). Pearson Studium. 2017.
10. **Münter, M.** Mikroökonomie, Wettbewerb und strategisches Verhalten. UTB. 2018.

Additional literature:

1. **Георгиева, К.** Микроикономикс. Тракия-М. 1999.
2. **Илиев, Ив., Лалева, Ц., Николов, Х., Балинов, Б.** Икономика – I ч. ТУ-София, 2006.
3. **Йотова, Л.** Микроикономика. Стопанство. 2001.
4. **Кънев, М.** Микроикономика – учебник и учебна тетрадка. Мартилен. 2009.
5. **Илиев, Ив., др.,** Икономика, ч. II. ТУ. 2007.
6. **Илиев, Ив., др.,** Макроикономика, I и II, Издат. Център на КТП, 2005.
7. **Кънев, М. и колектив**, Макроикономика. София, 1998.
8. **Миркович, К.** Икономика, т.2. Стопанство. София, 2000.

14. Assessment methods and criteria:

The course ends with an *exam.* The achievement of the set goal of the training is controlled during the semester through current control in the form of individual and team assignments, test during the lectures. The assessment is formed by a point scale, taking into account the participation in the practical classes and the individual work of the student during the semester.

1. Requirements for forming the six-point rating system

A part of the grade in the course is formed on the basis of a point system and the maximum number of points that students can receive is 100 (Table 1).

The final grade is formed by a theoretical test during the exam session and results from the cases and business games performed during the group dynamic process, taking into account the activity of students during the learning process during the semester.

Burden of evaluation:

- ✓ Assessment in the learning process - individual work, research, case studies and business games, group dynamic process - carries 50% weight in the final assessment;
- ✓ Theoretical exam online test of 20 questions with a duration of 40 minutes - carries 50% weight in the final grade. The evaluation of the test is according to the following criteria: up to 50% correct answers – Fall 2; up to 70% correct answers - Satisfactory 3; up to 80% correct answers - Good 4; up to 90% correct answers - Very good 5 and over 91% - Excellent 6).

2. Formation of the final assessment

The formation of the final grade (CA) is based on the results of the exam test in the course of training and group dynamic process (TC) and the result of the theoretical test (TT), as the correspondence between the number of points and the grade on the six-point system is given in *Table 1.*

$$КО = 0,5\ ТТ + 0,5\ ТК$$

The knowledge acquired by the students, expressed in percentages, is assessed according to the six-point system as follows:

To 50%	Fall (2)
51% – 70%	Satisfactory (3)
71% – 80%	Good (4)
81% – 90%	Very good (5)
Over 90%	Excellent (6)

15. Language of instruction: *Bulgarian*