



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Business economics

Course

Field of study

Automatic Control and Robotics

Area of study (specialization)

Systems of Automatic Control and Robotics

Level of study

Second-cycle studies

Form of study

part-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

12

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

8

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

dr Marek Szczepański

email: marek.szczepanski@put.poznan.pl

tel. 61 665 3393

Faculty of Engineering Management

Responsible for the course/lecturer:

dr Krzysztof Kołodziejczyk

email: krzysztof.kolodziejczyk@put.poznan.pl

tel. 61 665 3390

Faculty of Engineering Management

Prerequisites

The student knows the basics of economics as well as organization and management. The student also has the ability to determine the company's goals and methods of operation in a diverse competitive environment. In addition, the student understands the importance of knowledge in solving problems and raising professional, personal and social competences, as well as expressing readiness to work in a team.

Course objective

Transfer of knowledge about the basic principles of economic functioning in enterprises. Discussion of legal and organizational forms of modern enterprises. Outlining the rules for financing their activities, investment implementation, and strategic and marketing management. Providing the skills to choose



the resources that are necessary to organize, analyze and evaluate the enterprise in the conditions of market economy.

Course-related learning outcomes

Knowledge

1. Student has the knowledge necessary to understand the economic, legal and social aspects of engineering activities and the possibility of their application in practice - [K_W14]
2. Student has knowledge about running a business and project management - [K_W15]
3. Student knows the rules enabling the implementation of individual entrepreneurship - [K_W17]

Skills

1. Student is able to notice their economic and management aspects when formulating and solving tasks - [K_U14]
2. Student is able to make a preliminary economic analysis of undertaken activities - [K_U18]
3. Student is able to manage the work of the team; is able to manage the team and is able to estimate the time needed to complete the task; can develop a work schedule and complete tasks ensuring deadlines are met [K_U24]

Social competences

1. Student is ready to think and act in an entrepreneurial manner - [K_K5]
2. Student is aware of the social role of a technical university graduate and understands the need to formulate and convey to the public (in particular through the mass media) information and opinions on the achievements of automation and robotics in the field of research and application works and other aspects of engineering activities - [K_K6]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:

1. assessment of knowledge and skills demonstrated during the written exam in business economics theory (open and closed question)

Project:

1. evaluation of design studies prepared in two-person teams

Additional activities during classes, in particular:

1. presentation of additional issues as part of lectures



2. application of acquired knowledge while solving a given problem
3. formulation of own opinions

Programme content

1. Theoretical and practical foundations of enterprise functioning
2. Legal forms of enterprises
3. Writing a business plan
4. Starting a business
5. Franchising - SME development concept
6. Basic elements of managing a small enterprise
7. Human resource management
8. Marketing activities in the enterprise
9. Financing business operations of an enterprise
10. Property and capital of business entities
11. Financial reporting - cost accounting, income and profit
12. Tax burdens in a small company
13. The role of investment in the development of a small company
14. Business plan as an investment planning tool
15. Methods and measures for assessing the activity of enterprises

Teaching methods

Lecture: multimedia presentation, illustrated with examples on the board.

Bibliography

Basic

1. Bartkiewicz P, Szczepański M., Podstawy zarządzania finansami przedsiębiorstw. Instrumenty - przykłady - metody - zadania. Wydawnictwo Politechniki Poznańskiej, Poznań, 2016
2. Lichtarski J. (red.), Podstawy nauki o przedsiębiorstwie. Wyd. AE we Wrocławiu, Wrocław, 2007.
3. Mierzejewska-Majcherek J., Ekonomika przedsiębiorstw, Difin, Warszawa, 2008.
4. Nickels W., Zrozumieć biznes, Warszawa Bellona, 2000.



5. Żelichowska M., *Ekonomika przedsiębiorstwa*, Wydawnictwo Politechniki Śląskiej, Gliwice 2013

Additional

1. Gajowiak M., *Makroświat. Podręcznik z zadaniami do makroekonomii*, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

2. Trzecieliński S., Włodarkiewicz-Klimek H., Pawłowski K. *Współczesne koncepcje zarządzania*, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3
Classes requiring direct contact with the teacher	27	1,0
Student's own work (literature studies, preparation for classes, preparation for tests/exam, individual and team work on the project) ¹	48	2

¹ delete or add other activities as appropriate