COURSE DESCRIPTION

Course code	full-time studies	
	part-time-studies	
Course name	**HES 4** **Podstawy ekonomii**	
Course name in English	**HES 4** **Basics of economics**	
Valid from academic year	**2022/23**	

PLACEMENT IN THE TEACHING PROGRAM

Field of study	**Computer Science**
Level of education	**1st degree**
Studies profile	**General**
Form and method of teaching classes	**Full-time and part-time studies**
Specialization	**All specializations / Information systems / Computer graphics / Information and communication technology**
Organizational unit responsible for the course	**Katedra Informatyki Stosowanej**
Course coordinator	**Dr inż. Ludomir Tuszyński**
Approved by	**Dean of the Faculty of Electrical Engineering, Automatic Control and Computer Science Roman Deniziak, KUT prof., DSc, PhD**

GENERAL CHARACTERISTIC OF THE COURSE

Course affiliation		**Subject of general education**
Course status		**Selectable**
Language		**Polish**
Semester	full-time studies	**Semester VI**
	part-time-studies	**Semester VII**
Requirements		
Exam (YES/NO)		**NO**
ECTS		**2**

Course form		lecture	classes	laboratory	project	other
Hours per semester	full-time studies	**30**				
	part-time-studies	**18**				

LEARNING RESULTS

Category	Result Symbol	Learning Results	References to the field of study results
Knowledge	W01	Student has a basic knowledge of economics.	INF_W24
	W02	Student knows the basic concepts and categories of microeconomics and macroeconomics.	INF_W24
	W03	Student will implement the principles of the functioning of the market.	INF_W24
	W04	Student knows the basic mechanisms of economic processes.	INF_W24
Skills	U01	Student can analyze a specific market situation taking into account supply and demand.	INF_U24
	U02	Student has the ability to interpret phenomena and process occurring in the economy.	INF_U24
Social competence	K01	Student is aware of the importance of knowledge of economics for an engineer.	INF_K3, INF_K4, INF_K5

COURSE CONTENT

Course Form	Content
lecture	1. Introduction to economics (basic concepts, subject and area of interest in economics). Microeconomics and macroeconomics. 2. The functioning of the economy as a whole. Model of the functioning of the economy. 3. The concept of farming. Factors of production, resources, rationality of management. Basic measures of economic activity. 4. Market (the concept of the market, market division, sectors of economies, types of economies). 5. Market analysis (demand, supply, price). Market equilibrium. 6. Enterprise (concept, organization, functioning). 7. Basics of production theory (concept, factors, organization). 8. Economic calculation of the enterprise (revenues, costs, profit of the enterprise). 9. Business cycle (concept, phases, types). 10. Money, monetary policy, money market, banking system. 11. Inflation (concept, causes, effects). 12. Fiscal policy. Type of taxes in Poland. 13. Labor market, employment and unemployment. 14. The role of the state in the economy (state interventionism, state budget, privatization, nationalization).

LEARNING RESULTS VERIFICATION METHODS

Result Symbol	Learning results verification methods					
	Oral Exam	Written Exam	Midterm	Project	Report	Other
W01			X			
W02			X			
W03			X			
W04			X			
U01			X			
U02			X			
K01			X			

ASSESSMENT FORMS AND CRITERIA

Course Form	Assessment Form	Assessment Criteria
lecture	passing with a grade	Obtaining at least 50% of the points from the colloquium

STUDENT'S VOLUME OF WORK

ECTS Balance												
No.	**Activity Type**	**Student Involvement**										**Unit**
		full-time studies					**part-time-studies**					
1.	Participation in classes according to the schedule	Lec	C	Lab	P	S	Lec	C	Lab	P	S	h
		30					18					
2.	Other (consultations, exams)	**4**					2					h
3.	**Total with the direct assist of an academic teacher**	**34**					**20**					
4.	**Number of ECTS, that students obtains with the direct assist of an academic teacher**	**1,36**					**0,8**					
5.	**Hours of unassisted student work**	**16**					**30**					
6.	**Number of ECTS that student obtains working unassisted**	**0,64**					**1,2**					
7.	**Practical classes volume of work**	**0**					**0**					
8.	**Number of ECTS obtained by student at practical classes**	**0,0**					**0,0**					
9.	**Total student's volume of work expressed in hours**	**50**					**50**					
10.	**ECTS**	**2**										

BIBLIOGRAPHY

1. Begg Dawid, Fisher Stanlej, Mikroekonomia, PWE, Warszawa 2007.
2. Blaug M., Teoria Ekonomii, PWN, Warszawa 2000.
3. Bremond J., Kompendium wiedzy ekonomii, PWN, Warszawa 2008.
4. B.Czerny, E.Czerny, R.Bartkowiak, R.Rapacki, Podstawy ekonomii, PWE, Warszawa 2000.
5. Milewski R., Elementarne zagadnienia ekonomii, PWN, Warszawa 2008.
6. Milewski R., Podstawy ekonomii, PWN, Warszawa, 2007.
7. Nasiłowski System rynkowy. Podstawy mikro i makroekonomii, Wydawnictwo Key Text, Warszawa 2006.