

**ITEM CARD**

Attachment No. 1 to Regulation No. 3/07/2020  
of 13 July 2020 *on the model card*  
subject at the *Higher School of Management*  
in *Warsaw*

I. GENERAL BASIC INFORMATION ABOUT THE SUBJECT (MODULE)										
ITEM NAME										
The basic of innovation										
Name of the organizational unit leading the course:		Faculty of Management and Technical Sciences								
Name of the field of study, level of education:		Stage I Management								
Learning profile:		general academic								
Name of the specialty:		-								
Type of learning module:		Directional								
Year/Semester:		I year, semester II								
Person coordinating the subject:		Dr. Jan Boguski								
Prerequisites (resulting from the succession of items):		Entrepreneurship knowledge at secondary school level								
II. FORMS OF CLASSES AND NUMBER OF HOURS										
	Lecture	Exercise	Seminar	Laboratory	Workshop	Project	Seminar	Consultation	Exam/Passing	Total hours
Full-time studies	40									40
Part-time studies	18									18
III. METHODS OF TEACHING ACTIVITIES										
Forms of classes			Didactic methods							
Lecture			Serving methods, multimedia presentations, discussions							
Exercise										
IV. OBJECTIVE LEARNING OUTCOMES IN RELATION TO LEARNING OUTCOMES FOR THE FIELD OF STUDY AND AREAS										
Lp.	Description of the learning outcomes in question								Directional effect reference	
<b>Knowledge:</b>										
1	The student has advanced knowledge of concepts used in the theory of innovation, knows the impact of innovation processes on the competitive position of institutions and organizations and knows what role innovation plays in various sectors of the economy.								P6S_WG ZO1_W01	
2	The student knows the general mechanisms of creating inventions and innovations in the economy and models of innovation The student knows the essence of creativity, inventiveness and innovation and the role of man, research teams and organizations in their emergence as well as the principles of innovation development at the level of small and medium-sized enterprises								P6S_WK ZO1_W03	
<b>Abilities:</b>										
1	The student is able to implement a lifelong process of permanent learning focused on innovative solutions								P6S_UU ZO1_U04	
2	The student is able to manifest creativity and implement innovation in individual departments of the organization								P6S_UW ZO1_U05	

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3	The student is able to make choices and put modern information and communication technology into practice	P6S_UW P6S_UK ZO1_U06
<b>Social competences:</b>		
1	The student is ready to think and act innovative and entrepreneurial within the organization and team	P6S_K0 ZO1_K07
2	The student is ready to accept different cultural values at the team and organizational level and cooperate with representatives of different cultures in the process of inventing and creating innovations	P6S_K0 ZO1_K06
3	The student is ready to pursue various roles in teams and organizations, such as innovator, leader or coordinator	P6S_K0 ZO1_K07
<b>V. CURRICULAR CONTENT (LEARNING)</b>		
Lp.	Lecture:	Reference to the learning outcomes in question
1.	Introduction to the theory of innovation.	ZO1_W01 ZO1_U05 ZO1_K06
2.	An attempt to define basic concepts: creativity, invention, innovation, innovation, competitiveness, model, prototype, differences between model and prototype	ZO1_W01 ZO1_U05 ZO1_K06
3.	Schumpeter waves and the tech tree	ZO1_W01 ZO1_U05 ZO1_U06 ZO1_K07 ZO1_K06
4.	Basic types of innovation according to the subjective and objective criteria, importance, application and types of innovation due to time horizon, originality, location, novelty.	ZO1_W01 ZO1_U04 ZO1_U05 ZO1_K07
5.	Curvilinear logic, lateral thinking and the phenomenon of unlearning at the level of modern organizations, the process of intelligent and team learning.	ZO1_W01 ZO1_U04 ZO1_U05 ZO1_K06 ZO1_K07
6.	Institutionalization of innovative processes and their division, objectives, tasks and functions	ZO1_W01 ZO1_W03 ZO1_U04 ZO1_U06 ZO1_K07
7.	Innovation process: definition, types, functions, principles, links	ZO1_W01 ZO1_W03 ZO1_U04 ZO1_U06 ZO1_K06
8.	Innovation models (linear, coupling, network, open innovation, simultaneous, role model)	ZO1_W01 ZO1_U06 ZO1_K06
9.	Types of innovative companies (spin off, spin out, startup) in Poland and in the world	ZO1_W01 ZO1_W03 ZO1_U05 ZO1_K07
10.	Innovative man: basic attributes for creativity	ZO1_W03

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		ZO1_U04 ZO1_U05 ZO1_K07 ZO1_K07
11.	Innovation and engineering culture	ZO1_W03 ZO1_U04 ZO1_K07 ZO1_K06
12.	Diffusion of innovation, innovation trap, technology and technology transfer	ZO1_W01 ZO1_W03 ZO1_U05 ZO1_U06 ZO1_K07
13.	Indicators measuring the innovativeness of companies and regions and countries	ZO1_W01 ZO1_U04 ZO1_U06 ZO1_K06
14.	Innovative teams their staff, leaders, innovation projects, strategy, synchronisation, interoperability, multi-stage, networking and complexity	ZO1_W03 ZO1_U04 ZO1_U05 ZO1_U06 ZO1_K06 ZO1_K07
15.	Innovative project, feasibility study	ZO1_W03 ZO1_U06 ZO1_K07
16.	The role of intuition in creating innovative solutions	ZO1_W01 ZO1_W03 ZO1_U05 ZO1_K07 ZO1_K06
17.	Cooperation of R+D departments with marketing	ZO1_W01 ZO1_U05 ZO1_U06 ZO1_K07
18.	Financing innovation	ZO1_W01 ZO1_U05 ZO1_U06 ZO1_K07
19.	Techniques for verifying the feasibility of innovation	ZO1_W01 ZO1_U05 ZO1_U06 ZO1_K07
20.	Legal conditions for working with innovations	ZO1_W01 ZO1_W03 ZO1_U05 ZO1_K07
Lp.	Exercises/workshops:	Reference to the learning outcomes in question
<b>VI. METHODS OF ASSESSMENT OF LEARNING OUTCOMES</b>		
<b>Learning outcomes</b>	<b>Verification method</b>	<b>Form of classes in which EUS is verified (Learning outcome)</b>
<b>Knowledge:</b>		

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ZO1_W01 ZO1_W03	Assignment, activity in class	Lecture
<b>Abilities:</b>		
ZO1_U04 ZO1_U05 ZO1_U06	Assignment, activity in class	Lecture
<b>Social competences:</b>		
ZO1_K06 ZO1_K07	Assignment, activity in class	Lecture

**VII. CRITERIA FOR ASSESSING ACHIEVED LEARNING OUTCOMES**

<b>Learning outcomes</b>	<b>Unsatisfactory assessment</b> The student does not know and does not understand/cannot/is not ready:	<b>Grade range 3.0-3.5</b> The student knows and understands / can / is ready:	<b>Grade range 4.0-4.5</b> The student knows and understands / can / is ready:	<b>Very good rating</b> The student knows and understands / can / is ready:
For each of the learning outcomes identified for the Knowledge, Skills and Competences module	The student obtains less than 50% max. the number of points for a given effect	The student gets from 50 to 59% max. the number of points for a given effect on a grade of 3 and  The student gets from 60 to 69% max. the number of points for a given effect per grade 3.5	The student gets from 70 to 79% max. the number of points for a given effect per grade 4, and  The student obtains from 80 to 89% max. the number of points for a given effect per rating 4.5	The student obtains more than 89% max. the number of points for a given effect

**VIII. STUDENT'S WORKLOAD – NUMBER OF HOURS AND BALANCE OF ECTS CREDITS**

<b>Type of activity</b> <b>ECTS</b>	<b>Student load</b>	
	<b>Studies Stationary</b>	<b>Part-time studies</b>
Participation in didactic activities (lectures, exercises, tutorials, project, laboratories, workshops, seminars) – SUM of hours – from point II	40	18
Exam/Passing		
Participation in the consultation	1	1
Project / Essay	14	16
Independent preparation for didactic classes	10	20
Preparing to pass a teaching class	10	20
<b>Total student workload (25h = 1 ECTS) TOTAL hours/ECTS</b>	<b>3 ECTS/ 75h</b>	<b>3 ECTS/ 75h</b>
Student load in classes in direct contact with the teacher	40	18
Student load in practical classes		
Student load in practical vocational preparation classes		
Student load in research preparation classes	35	57

**IX. LITERATURE AND OTHER DIDACTIC MATERIALS**

**Basic literature:**

- Regina Lenart-Gansiniec, ed. *Innovations in Management*, CeDeWu, Warsaw 2016.
- Bal- Woźnia T., *Innovation management in terms of subjects*, Wydawnictwo PWN 2022
- Jan Boguski, *Fundamentals of Innovative Environment Management*, Typografia, Warsaw 2019.

**Supplementary literature:**

- Jan Boguski, *Marketing of innovation*, Oficyna Wydawnicza Typografia, Warsaw 2016.

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2. Jan Boguski, The usefulness of innovation theory in cluster analysis, "Management. Theory and Practice" No. 2 of 2015.
3. Innovation : the engine of growth / Clayton M. Christensen, Michael E. Raynor. - Warsaw : Emka, 2008.
4. Innovation as a source of competitiveness of a modern enterprise / ed.nauk. Jacob Talon. - Szczecin : Economicus 2009.
5. Demand innovations or how contemporary innovations are created / Małgorzata Baran, Agata Ostrowska, Wojciech Pander. - Warsaw : Polish Agency for Enterprise Development, 2012.
6. Business innovation and customer satisfaction: in theory and practice / edited by Katarzyna Świerszcz and Jan Śliwa. - Łódź : Social University of Entrepreneurship and Management, 2011.
7. Innovation management. Theory and practice / m. Jozef Szablowski. - Białystok : University of Finance and Management 2006.
8. Joe Tidd, John Besant, Innovation Management, Wolters Kluwers 2011.
9. Tom Kelley, Jonathan Littman, Looking for Innovation, MT Business, 2009.

### **Other teaching materials:**

- multimedia presentation on the Moodle and Teams form