

MODULE DESCRIPTION

Module code	Z-ZIP2-589z
Module name	Zarządzanie Innowacjami
Module name in English	Innovation Management
Valid from academic year	2016/2017

A. MODULE PLACEMENT IN THE SYLLABUS

Field of study	Management and Production Engineering
Level of education	2nd degree <i>(1st degree / 2nd degree)</i>
Studies profile	General <i>(general / practical)</i>
Form and method of conducting classes	Full-time <i>(full-time / part-time)</i>
Specialisation	All
Unit conducting the module	The Department of Management and Marketing
Module co-ordinator	Danuta Witczak-Roszkowska, PhD
Approved by:	

B. MODULE OVERVIEW

Type of subject/group of subjects	Basic <i>(basic / major / specialist subject / conjoint / other HES)</i>
Module status	Compulsory <i>(compulsory / non-compulsory)</i>
Language of conducting classes	English
Module placement in the syllabus - semester	2nd semester
Subject realisation in the academic year	Winter semester <i>(winter semester/ summer)</i>
Initial requirements	No requirements <i>(module codes / module names)</i>
Examination	No <i>(yes / no)</i>
Number of ECTS credit points	2

Method of conducting classes	Lecture	Classes	Laboratory	Project	Other
Per semester	15			15	

C. TEACHING RESULTS AND THE METHODS OF ASSESSING TEACHING RESULTS

Module target	The aim of the module is to familiarize students with the determinants and methods of management of innovative activity at the enterprise, region and country.
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Effect symbol	Teaching results	Teaching methods (l/c/lab/p/other)	Reference to subject effects	Reference to effects of a field of study
W_01	A student knows and understands the concept and types of innovation. The student has knowledge of the sources and models of innovation processes.	l/p	K_W09	T2A_W09 T2A_W11 S2A_W11
W_02	A student has a in-depth knowledge of the rules of management of innovation activities and the measurement of innovative activity at the enterprise, region and country.	l/p	K_W08 K_W09 K_W03	T2A_W09 T2A_W10 T2A_W11 S2A_W06 S2A_W08 S2A_W11
W_03	A student has knowledge of the principles of functioning of the National Innovation System and Regional Innovation Systems and the importance of innovative activity in the strategy " EUROPE 2020. A strategy for smart, sustainable and inclusive growth"	l	K_W11	T2A_W05
U_01	A student is able to effectively obtain information from literature and other sources and to critically analyze and evaluate them for diagnose the factors influencing on the creative process.	p	K_U01	T2A_U01
U_02	A student is able to prepare a project with the concept of innovation and the process of its implementation.	l/p	K_U01 K_U04	T2A_U01 T2A_U03 T2A_U08
U_03	The student is able to analyze the research and development and innovation activity of enterprises at the level of regions and the country.	l/p	K_U01 K_U09	T2A_U01 S2A_U04
K_01	A student is aware of the importance of lifelong learning and to acquire specialized knowledge and skills for the development of creative attitudes.	l/p	K_K01	T2A_K01

Teaching contents:

1. Teaching contents as regards lectures

Lecture number	Teaching contents	Reference to teaching results for a module
1	Introduction to the subject management of innovation activities. The concept of innovation and innovation management. The dynamics of innovation processes. Indicators of industrial innovation by J. Schumpeter. Typology of innovations.	W_01 U_03
2	The process innovation part. 1. Endogenous and exogenous sources of innovation. The concept and features of the innovation process. The supply model of innovative processes by J. Schumpeter. The demand model of innovative processes J. Schmooklera. The interactive model of innovative processes by S. J. Kline and N. Rosenberg.	W_01 U_02 K_01
3	The process innovation part. 2. Internal and external factors stimulating the activity of innovative enterprises by P. Whitfield. Decisions innovative: proactive and reactive. Infrastructure	W_01 U_02 K_01

	innovation system.	
4	Innovation management at the level of enterprise. part. 1. Characteristics of innovative company. The scope of the activity of innovative enterprises. Indicators of activity innovative company in the field: innovative potential, innovation processes, the effects of innovation processes.	W_02 U_03 K_01
5	Innovation management at the level of enterprise. part. 2. Types of innovative strategy. Methods for estimating the efficiency of innovative activity. Risk and uncertainty in innovative projects. Pro-innovation culture of the organization	W_02 U_03 K_01
6	Innovation management at the regional level. The objectives of the regional innovation policy. The areas of support under the regional innovation policy. Regional Innovation System - The essence, the creation and operation. The functions of the Regional Innovation Strategy. Areas of innovative specialization in the. Centers of Innovation and entrepreneurship as part of the Regional Innovation System.	W_02 W_03 U_03 K_01
7	Innovation management at national level. Science policy and innovation policy - relationship. Strategies for R & D enterprise, depending on market attractiveness and competitive position of the company. The strategic directions of increasing the innovativeness of Polish economy. Europe 2020 strategy for smart, sustainable and inclusive growth ". Innovation Union - one of the flagship projects of Europe 2020. National Innovation System in Poland. Measuring the level of innovation in the country. Poland in the ranking of EU innovation.	W_02 W_03 U_03 K_01

2. Teaching contents as regards classes

Class number	Teaching contents	Reference to teaching results for a module

3. Teaching contents as regards laboratory classes

Laboratory class number	Teaching contents	Reference to teaching results for a module

4. The characteristics of project assignments

Students carry out the following project themes:

1. Characterization of profile of any inventor and his achievements in creating breakthrough innovations,
2. Elaboration of the draft any innovation (product, process, organizational), and the process of its implementation,
3. Analysis of R & D activities in 2005-2011 by province,
4. Analysis of innovative activity in the industry in 2005-2010 by province.

The methods of assessing teaching results

Effect symbol	Methods of assessing teaching results <i>(assessment method, including skills – reference to a particular project, laboratory assignments, etc.)</i>
W_01	Obtaining a credit for classes and lectures. Team preparation and presentation of the project. Discussion group.
W_02	Obtaining a credit for classes and lectures. Team preparation and presentation of the project. Discussion group.
W_03	Obtaining a credit for classes and lectures.
U_01	Team preparation and presentation of the project. Discussion group.
U_02	Team preparation and presentation of the project. Discussion group.
U_03	Team preparation and presentation of the project. Discussion group.
K_01	Structured interview. Discussion group.

D. STUDENT'S INPUT

ECTS credit points		
	Type of student's activity	Student's workload
1	Participation in lectures	15
2	Participation in classes	
3	Participation in laboratories	
4	Participation in tutorials (2-3 times per semester)	2
5	Participation in project classes	15
6	Project tutorials	
7	Participation in an examination	
8		
9	Number of hours requiring a lecturer's assistance	32 <i>(sum)</i>
10	Number of ECTS credit points which are allocated for assisted work <i>(1 ECTS point=25-30 hours)</i>	1.1
11	Unassisted study of lecture subjects	5
12	Unassisted preparation for classes	
13	Unassisted preparation for tests	10
14	Unassisted preparation for laboratories	
15	Preparing reports	
15	Preparing for a final laboratory test	
17	Preparing a project or documentation	10
18	Preparing for an examination	
19		
20	Number of hours of a student's unassisted work	25 <i>(sum)</i>
21	Number of ECTS credit points which a student receives for unassisted work <i>(1 ECTS point=25-30 hours)</i>	0.9
22	Total number of hours of a student's work	57
23	ECTS points per module <i>1 ECTS point=25-30 hours</i>	2
24	Work input connected with practical classes <i>Total number of hours connected with practical classes</i>	27
25	Number of ECTS credit points which a student receives for practical classes <i>(1 ECTS point=25-30 hours)</i>	1

E. LITERATURE

Literature list	<ol style="list-style-type: none"> Łunarski J. (red.), <i>Zarządzanie innowacjami. System zarządzania innowacjami</i>, Politechnika Rzeszowska, Rzeszów 2007. Nowakowska A., <i>Regionalny wymiar procesów innowacyjnych</i>, Wyd. Uniwersytetu Łódzkiego, Łódź 2011. Pomykański A. (red.), <i>Innowacyjność organizacji</i>, Wyższa Szkoła Kupiecka w Łodzi, Łódź 2009. Janasz W., Koziół-Nadolna K., <i>Innowacje w organizacji</i>, PWE, Warszawa 2011. Kuzel M., Sobczak I., Bogdanienko J. (red.), <i>Działalność innowacyjna przedsiębiorstw w warunkach globalnych</i>, Wyd. AMarszałek, 2007. Białoń L. (red.), <i>Zarządzanie działalnością innowacyjną</i>, Wyd. Placet,
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	Warszawa 2010.
Module website	