STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Innovation Processes and Patents		**1011105251011104076**

Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Part-time studies -	**(brak)**	**3 / 5**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**elective**

Cycle of study:	Form of study (full-time,part-time)
First-cycle studies	**part-time**

No. of hours				No. of credits
Lecture: **10**	Classes: **10**	Laboratory: **-**	Project/seminars: **-**	**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)

Responsible for subject / lecturer:

dr hab. Prof. Olgierd Lissowski
email: olgierd.lissowski@put.poznan.pl
tel. (+48)61 665 3394
Wydział Inżynierii Zarządzania
ul.Strzelecka 11, 60-965 Poznań

Responsible for subject / lecturer:

dr Lechosław Cichowski
email: lechoslaw.cichowski@put.poznan.pl
tel. 61 665 3391
Faculty of Engineering Management
ul. Strzelecka 11 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge of economics, management and marketing Basic knowledge of innovation
2	**Skills**	Ability to understand and analyze social phenomena
3	**Social competencies**	The student has a sense of responsibility for their work and willingness to work in a group

Assumptions and objectives of the course:

-Provide basic knowledge of the area of ??innovation in a market economy, conditions of innovation, including intellectual property as a driver of economic development in order to master the basic skills needed to initiate innovative projects

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student knows the type and subject of organizational and social relations - [K2A_W06]
2. Student has a basic knowledge of organizational and social behavior - [K2A_W08]
3. Student knows the methods and tools for data collection, processing, selection and distribution of information - [K2A_W11]
4. He knows the general rules for the establishment and development of forms of individual entrepreneurship, utilizing knowledge of engineering, economics and management - [K1A_W20]
5. He has knowledge of organizational standards - [K1A_W16]
6. Knows and understands the basic concepts and principles for the protection of Industrial Property and Copyright - [K1A_W19]
7. The student has an in-depth knowledge of ethical standards, their sources and nature, changes and ways of influencing organizations. - [K2A_W13]
8. The student has an in-depth knowledge of the subject matter of the course in relation to management sciences and research methods used in them. - [K2A_W15]

Skills:

1. Student is able to correctly interpret social phenomena (cultural, political, legal, economic) in the fields of economics and management - [K2A_U01]
2. Students can use basic theoretical knowledge and gain data to examine specific processes and social phenomena in the fields of economics and management - [K2A_U02]
3. Student can properly analyze the causes and course of the specific processes and social phenomena in the fields of economics and management - [K2A_U03]
4. The student correctly uses the normative systems and certain standards and rules to solve specific tasks related to the field of economics and management - [K2A_U05]

Social competencies:

1. Students can work together to prepare and implement innovative businesses - [K1A_K07]
2. Students can contribute to the preparation of substantive social projects in terms of the legal, economic and organizational aspects - [K1A_K05]
3. The student is aware of the importance of professional conduct, the ethics of professional ethics and respect for diversity of views and cultures. - [K2A_KO4]

Assessment methods of study outcomes

Forming Rating:

Lectures: evaluation of active participation in classes, preparation of the team-work project

Exercise: Grading based on: test, active participation in class

Rating summary:

Lectures: evaluation of the project: 60% of the final

Exercise: written test: 40% of the final

Course description

Innovation, innovation processes. Sources of innovation: the importance of intellectual property protection. The role of science in building innovative knowledge economy. Criteria for assessment of innovation and innovation (EIS, GIS, IUS). Financing innovation. . Role of the State: Polish innovation policy and the European Union. Innovation policy, including patent policy (Intellectual property). Invention and innovation. Infrastructure innovation: business incubators and innovation centers, technology parks, etc. Innovation in enterprises. Competence of innovative managers. Regional innovation strategies.

Teaching methods:

information lecture, problem lecture;

methods of independent learning: classic problem method (problem formulation, verification, student work assessment), case study method;

discussion methods: seminar, student's lecture, brainstorming, metaplan (conclusions from discussions in teams presented on the forum in the form of a poster, multimedia presentation);

practical and practical methods: auditory exercises, solving cognitive tasks.

Basic bibliography:

1. M.Zajączkowski Podstawy innowacji i ochrony własności intelektualnej, Economicus, Szczecin 2003
2. J.Tidd, J.Bessant, Zarządzanie innowacjami . Integrowanie zmian technologicznych, rynkowych i organizacynych, Oficyna Kluwer i Wolters, Warszawa 2015
3. R.Knosala, A.Boratyska-Sala, M.Jurczyk-Bunkowska, A.Moczała, Zarządzanie innowacjami, PWE, Warszawa 2014
4. J.Cieślik Przedsiębiorczość dla ambitnych. Jak uruchomić własny biznes WAiP Warszawa 2008
5. http://www.uprp.pl/strona-glowna/Menu01,9,0,index,pl/

Additional bibliography:

1. J.Tidd, J.Bessant Managing Innovation. Integrating Technological, Market and Organizational Change John Wiley & S
2. http://www.pi.gov.pl/parp/chapter_86000.asp
3. J.D.Antoszkiewicz, Innowacje w firmie. Praktyczne metody wprowadzania zmian, Poltext, Warszawa 2008
4. P.F.Drucker, Innowacja i przedsiębiorczość. Praktyka i zasady, PWE, Warszwa 1992

Result of average student's workload

Activity	Time (working hours)

1. Lectures	10
2. Exercices	10
3. Consultations	20
4. Project work	10
5. Student	20
6. Preparation for the test, credit	8

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	78	4
Contact hours	40	2
Practical activities	10	1