

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Innovation Processes and Patents</b>		Code <b>1011101251011104076</b>
Field of study <b>Engineering Management - Full-time studies -</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>3 / 5</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>elective</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: <b>15</b> Classes: <b>15</b> Laboratory: <b>-</b> Project/seminars: <b>-</b>		No. of credits <b>4</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art		ECTS distribution (number and %)
<b>Responsible for subject / lecturer:</b> 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		<b>Responsible for subject / lecturer:</b> dr Lechosław Cichowski email: lechoslaw.cichowski@put.poznan.pl tel. 61 665 3391 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Basic knowledge of economics, management and marketing Basic knowledge of innovation
2	<b>Skills</b>	Ability to understand and analyze social phenomena
3	<b>Social competencies</b>	The student has a sense of responsibility for their work and willingness to work in a group
<b>Assumptions and objectives of the course:</b> -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		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
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]		
<b>Skills:</b>		

<p>1. Student is able to correctly interpret social phenomena (cultural, political, legal, economic) in the fields of economics and management - [K2A_U01]</p> <p>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]</p> <p>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]</p> <p>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]</p>
<p><b>Social competencies:</b></p> <p>1. Students can work together to prepare and implement innovative businesses - [K1A_K07]</p> <p>2. Students can contribute to the preparation of substantive social projects in terms of the legal, economic and organizational aspects - [K1A_K05]</p> <p>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]</p>

<b>Assessment methods of study outcomes</b>	
<p>Forming Rating:</p> <p>Lectures: evaluation of active participation in classes, preparation of the team-work project</p> <p>Exercise: Grading based on: test, active participation in class</p> <p>Rating summary:</p> <p>Lectures: evaluation of the project: 60% of the final</p> <p>Exercise: written test: 40% of the final</p>	
<b>Course description</b>	
<p>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.</p> <p>Teaching methods:</p> <p>information lecture, problem lecture;</p> <p>methods of independent learning: classic problem method (problem formulation, verification, student work assessment), case study method;</p> <p>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);</p> <p>practical and practical methods: auditory exercises, solving cognitive tasks.</p>	
<p><b>Basic bibliography:</b></p> <p>1. M.Zajęczkowski Podstawy innowacji i ochrony własności intelektualnej, Economicus, Szczecin 2003</p> <p>2. J.Tidd, J.Bessant, Zarządzanie innowacjami . Integrowanie zmian technologicznych, rynkowych i organizacyjnych, Oficyna Kluwer i Wolters, Warszawa 2015</p> <p>3. R.Knosala, A.Boratyska-Sala, M.Jurczyk-Bunkowska, A.Moczała, Zarządzanie innowacjami, PWE, Warszawa 2014</p> <p>4. J.Cieślik Przedsiębiorczość dla ambitnych. Jak uruchomić własny biznes WAIp Warszawa 2008</p> <p>5. <a href="http://www.uprp.pl/strona-glowna/Menu01,9,0,index.pl/">http://www.uprp.pl/strona-glowna/Menu01,9,0,index.pl/</a></p>	
<p><b>Additional bibliography:</b></p> <p>1. J.Tidd, J.Bessant Managing Innovation. Integrating Technological, Market and Organizational Change John Wiley &amp; Sons; S</p> <p>2. <a href="http://www.pi.gov.pl/parp/chapter_86000.asp">http://www.pi.gov.pl/parp/chapter_86000.asp</a></p> <p>3. J.D.Antoszkiewicz, Innowacje w firmie. Praktyczne metody wprowadzania zmian, Poltext, Warszawa 2008</p> <p>4. P.F.Drucker, Innowacja i przedsiębiorczość. Praktyka i zasady, PWE, Warszawa 1992</p>	
<b>Result of average student's workload</b>	
Activity	Time (working hours)

1. Lectures		15
2. Exercices		15
3. Consultations		20
4. Project work		10
5. Student		20
6. Preparation for the test, credit		8
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	88	4
Contact hours	50	2
Practical activities	15	2