

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Innovative entrepreneurship</b>		Code <b>1010632211010643911</b>
Field of study <b>Mechanical Engineering</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>1 / 1</b>
Elective path/specialty <b>Gas technology and renewable energy</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: <b>1</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>-</b>		No. of credits <b>1</b>
Status of the course in the study program (Basic, major, other) <b>other</b>		(university-wide, from another field) <b>university-wide</b>
Education areas and fields of science and art <b>technical sciences</b> <b>Technical sciences</b>		ECTS distribution (number and %) <b>1 100%</b> <b>1 100%</b>
<b>Responsible for subject / lecturer:</b>  Prof. Zbigniew Klos email: zbigniew.klos@put.poznan.pl tel. 61 665 2231 of Transport Engineering ul. Piotrowo 3		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Student has fundamental knowledge about management of organizations and on innovativity and entrepreneurship issues.
2	<b>Skills</b>	Student possesses ability of perceiving and associating of phenomena occurring in management of market organizations and is able to interpret them, to draw conclusions and to formulate opinions.
3	<b>Social competencies</b>	Student possesses ability of perceiving and associating of phenomena occurring in management of market organizations and is able to interpret them, to draw conclusions and to formulate opinions.
<b>Assumptions and objectives of the course:</b> Transmitting to the students the knowledge of fundamental issues connected with conditions of undertaking innovative, market oriented, enterprises.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b> 1. Has a knowledge of innovation and innovativity, as well as of entrepreneurship economy - [M2-W23]		
<b>Skills:</b> 1. Is able to prepare a scientific paper in a foreign language in the field of innovations and innovativity, as well as of innovative entrepreneurship, based on literature and other sources of information, including online sources and submit an oral presentation - [M2-U23]		
<b>Social competencies:</b> 1. Is able to set priorities for realization of undertaken tasks. - [M2-K03] 2. Is able to think and act in an entrepreneurial manner, with the stress on introduction of innovations. - [M2-K05]		
<b>Assessment methods of study outcomes</b>		
Control test		
<b>Course description</b>		
Definition of innovation and innovativity. Main types of innovations. Personal features of innovative entrepreneurs. Ways of analysis of innovative ideas. Shaping of innovative business activities. Fundamental condition of commercialization of know-		

<p>how. Phases of innovative enterprise development. Different aspects of introduction of innovative enterprises to the market. Basic knowledge about marketing in area of innovative technological and product solutions.</p>		
<p><b>Basic bibliography:</b></p> <p>1. J. G. Wissema, Towards third generation university. Technostarters, why and how? Edward Elgar Publishing, Cheltenham 2009</p> <p>2. Oslo manual. 3rd edition. OECD Publishing, Paris 2005</p>		
<p><b>Additional bibliography:</b></p> <p>1. M. Winger, The innovation imperative. New Direction Press, Texas 2010</p> <p>2. J. Verloop J.G., Wissema, Insight in innovation. Elsevier/Shell Global Solutions, 2006</p>		
<p><b>Result of average student's workload</b></p>		
<p><b>Activity</b></p>	<p><b>Time (working hours)</b></p>	
1. Preparation for lectures	3	
2. Lecture participation	15	
3. Consolidation of lecture content	7	
4. Consultation	2	
5. Preparation for assessment	8	
6. Assessment participation	2	
<p><b>Student's workload</b></p>		
<p><b>Source of workload</b></p>	<p><b>hours</b></p>	<p><b>ECTS</b></p>
Total workload	37	1
Contact hours	19	1
Practical activities	2	0