Zachodniopomorski Uniwersytet Technologiczny w Szczecinie

Faculty of Chemical Technology and Engineering

Field of study		Chemical Engineering										
Mode of study		statio	nary	Level	first cy	cle	*/=:					
Graduate's qualification		inżynier					WIIICh					
Area(s) of study		nauki techniczne										
Educational profile		general academic										
Module								- 8				
Course unit		Innovation Teams						- 8				
Code		ChEn 1A S C24b						- 10				
Field of specialisation							- L	- 10				
Administering faculty		External Department										
FCTS		1 0 FCTS (forms) 1 0						_		1	_	
Ecro of course credit		rodi			1,0		-					
				Language	english	english						
Electives		у 		Elective group)				1			
Form of instruction		Code	Semester	Hours		ECTS	Weight			Credit		
lecture		W	7	15		1,0	1	1,00 cr		credit	S	
Leading teacher		Dyba Hubert (Hubert.Dyba@zut.edu.pl)										
Other teachers												
Prerequisites												
W-1	Student knows the basics of high school mathematics.											
Module/course unit objectives												
C-1	Consolidation of knowledge related to the innovation management.											
C-2	Developing student's ability to recognize the basic concepts of innovation management.											
С-3	Improving student's awareness of the need for continuous education and professional development.											
C-4	Acquiring knowledge on fundamentals of innovation team formation, work and delivering outcomes.											
Course cor	tent divided into	variou	s forms of instru	uction					Num	ber of	hours	
T-W-1	<i>N-1</i> Product, business process, and organizational innovation. Innovation management. Innovation management tools. Creating multi-functional development teams. Leadership for innovation; Innovation team design and roles; Managing team interactions; D Thinking to drive innovation: Creating innovation strategy: Measuring innovation success						ovation ns; Desi	ign 15				
Student workload - forms of activity			tv						Number of hours			
A-W-1	Participation in lect	ures							15			
A-W-2	Self-study of the lit	erature							13			
A-W-3	Consultations							2				
Teaching methods / tools												
M-1 Lecture												
Evaluation methods (E - progressive P - final)												
S-1 F Written test												
	Designed learning outcomes			Reference to the learning outcomes designed for the fields of study	Reference to the learning outcomes defined for the particular areas of education	Reference to learning outcomes leading to the degree of "inżynier"	Course objectives	; Course content		Teaching methods	Evaluation methods	
Knowledge	9			•	•							
ChEn_1A_C24b_W01 Student has theory-based knowledge within the scope of innovation management.			ChEn_1A_W16 ChEn_1A_W17	P6S_WG_TA11 P6S_WK_TA11	P6S_WG_IA11	C-2	T-W-1		M-1	S-1		
Skills												
ChEn_1A_C24b_U01 Student can use the acquired knowledge to solve and evaluate selected problems in the field of innovation management.				ChEn_1A_U05 ChEn_1A_U11	P6S_UU P6S_UW_TA12	P6S_UW_IA12	C-1	T-W-1		M-1	S-1	
Other social / personal competences												
ChEn_1A_C24b_K01 Student is aware of the need for continuous education and professional development in the field of innovation management.			ChEn_1A_K02 ChEn_1A_K06	P6S_KO		C-3	T-W-1		M-1	S-1		

Required reading

1. Paul S Chinowsky, James E Meredith, Strategic Corporate Management for Engineering, Oxford University Press, UK, 2000

2. Luis Perez Breva, Innovating: A doer's manifesto, 2011

3. Scott Anthony, Build an Innovation Engine in 90 Days, Harvard Business Review, 2011

4. Roni Reiter-Palmon, Team Creativity and Innovation, 2011

5. Thomas Kelley, The Art of Innovation: Lessons in Creativity from IDEO, America's Leading Design Firm, 2011