STUDY MODULE DESCRIPTION FORM					
Name of the module/subject Strength of Materials			Code 1011101231011100134		
Field of			Profile of study (general academic, practi		
Engineering Management - Full-time studies - Elective path/specialty			(brak) Subject offered in:	2/3 Course (compulsory, elective)	
Elective	pan/specially	-	Polish	obligatory	
Cycle of	f study:		Form of study (full-time,part-tir		
First-cycle studies			full-time		
No. of h	ours		L	No. of credits	
Lectur	e: 30 Classes	s: 15 Laboratory: 15	Project/seminars:	- 3	
Status c	-	program (Basic, major, other)	(university-wide, from another field)		
		(brak)		(brak)	
Educatio	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
Resp	onsible for subje	ect / lecturer:			
Dr ir	nż Piotr Stasiewicz				
ema	ail: piotr.stasiewicz@p	ut.poznan.pl			
	+48(61) 6652044				
		gineering and management			
ul. F	Piotrowo 3, 60-965 Poz	znan			
Prere	quisites in term	s of knowledge, skills an	d social competencie	es:	
1	Knowledge	The knowledge of fundamentals in mathematics, applied mechanics and statics.			
2	Skills	The fundamentals of statics of u	ndeformable bodies.		
3	Social competencies	The understanding of the signific	e understanding of the significance of technical sciences and applications.		
Assumptions and objectives of the course:					
The objective of the subject is to deliver the basics of the engineering science in the mechanics of deformable bodies and expanding the abilities of the analytical solution in the mechanics of materials.					
	Study outco	mes and reference to the	educational results f	for a field of study	
Knowledge:					
1. Basic knowledge on the cycle of machine life - [[K01-InzA_W01]]					
2. Basi	c knowledge on the lif	e cycle of jndustrial manufacture	- [K04-InzA_W01]		
		ethods, tools and materials utilize	d in the solution of engineer	ring problems in mechanical	
0	ering - [K04-InzA_W0				
4. Knows typical industrial technologies in machine operation - [K07-InzA_W5]					
Skills	;				
1. Be able to recognize the project identification and to solve uncomplicated project problems on the structure and operation of machines - [K01-InzA_U6]					
2. Be able to apply typical methods of uncomplicated problem solution on the structure and operation of machines - [K01-InzA_U7]					
3. Be able to design a simple structure and technology of machine parts and modules, and to design the organization of production units of the first complexity degree - [K01-InzA_U8]					
Social competencies:					
1. Be aware and utilizes technical problems in product creation - [K01_InzAK2]					
Assessment methods of study outcomes					

s of the implementati	on of tasks assessed by					
s of the implementati	on of tasks assessed by					
ssimilated in previou	us lectures,					
ne forming evaluation	า					
sessments of the form	ming assessment and the					
c) in the field of lectures: exam in the form of a test. You can take the exam after completing the exercises.						
tial equation of the e	ithin elastic limits. nents of area. Torsion of					
Basic bibliography: 1. Ostwald M., Podstawy wytrzymałości materiałów, Wydawnictwo PP, Poznań, 2007.						
2. Ostwald M., Wytrzymałość materiałów. Zbiór zadań. Wydawnictwo PP, Poznań, 2008.						
3. Badania eksperymentalne w wytrzymałości materiałów. Pod redakcją S. Joniaka, WPP. 2006.						
4. Misiak J., Mechanika techniczna t.1, WNT, Warszawa, 1998, 2012.						
Additional bibliography:						
 Magnucki K., Szyc W., Wytrzymałość materiałów w zadaniach: pręty, płyty i powłoki obrotowe, Wydawnictwo Naukowe PWN, 2000. 						
2. Dyląg Z., Jakubowicz A., Orłoś Z., Wytrzymałość materiałów t.1 i 2, WNT, Warszawa, 2000.						
kload						
	Time (working					
	hours)					
	30					
	15					
2. Exercises 3. Laboratories						
4. Consultations						
5. Preparation to exercises and laboratory						
6. Passing tests						
Student's workload						
hours	ECTS					
90	3					
76	3					
30	1					
	he forming evaluation sessments of the form completing the exer and strain. Basic tests and compression w irist and second moni- tial equation of the en- heorems. The theore 2007. h, 2008. ka, WPP. 2006. whoki obrotowe, Wy rszawa, 2000. 'kload					