		STUDY MODULE D	ESCRIPTION FORM		
	the module/subject				
-	less Internet Acc	Cess		010805141010812347	
Field of :		communications	Profile of study (general academic, practical) general academic	Year /Semester	
	path/specialty		Subject offered in:	Course (compulsory, elective)	
		-	Polish	elective	
Cycle of	study:		Form of study (full-time,part-time)		
Second-cycle studies			part-time		
No. of h	ours			No. of credits	
Lectur	e: - Classes	s: 15 Laboratory: 15	Project/seminars:	2	
Status o	f the course in the study	program (Basic, major, other)	(university-wide, from another field		
		major	from	n field	
Education areas and fields of science and art				ECTS distribution (number and %)	
techn	ical sciences	2 100%			
	Technical scie	ences		2 100%	
Resp	onsible for subje	ect / lecturer:			
ema tel. 6	ab. inż. Paweł Szulaki iil: szulak@et.put.pozr 51 6653870 ulty of Electronics and	nan.pl			
ul. P	Piotrowo 3A 60-965 Pc	oznań			
Prere	quisites in term	s of knowledge, skills an	d social competencies:		
1	Knowledge	Students have basic knowledge concerning signal theory, radiocommunications, wireless channels and digital communication systems (K1_W06, K1_W15, K2_W06)			
2	Skills		nd professionally judge digital com s, modulation types and technolog		
3	Social competencies	Students understand limitations engineering problems solving. (I	of their knowledge and necessity K1_K01, K1_K02)	of professional approach to	
Assu	•	ectives of the course:			
		s to teach students the methods o ng wireless systems and network	f wireless access to internet and s.	to teach them how to analyse	
		to solve problems concerning the achnologies used in this network.	WiFi network (IEEE 802.11)desig	n and deployment. They have	
	Study outco	mes and reference to the	educational results for a	field of study	
Know	/ledge:				
1. Stud	ents know how to des	ign the WiFi network - [K2_W06]			
2. Stud	ents know how to ana	lyse and design wireless network	s which enable access to the inter	net - [K2_W06]	
Skills	:				
1. Stud	ents are able to desig	n and deploy the WiFi network -	[K2_U13]		
	ents are able to analy acted wireless networl		concerning transmitters, receivers,	MAC and physical layers of	
	I competencies:				
1. Stud	•	necessity to study amendments to	the IEEE 802.11 and other stand	ards which enable the	
 Stucents understand the challenges to new methods of wireless access to the internet - [K2_02] 					
		A	de efetueles este		
		Assessment metho	ds of study outcomes		

Permanent check of problems solving in the class and in the laboratory.

Course desc	ription	
Laboratory of the design and analysis of the 802.11 network.		
Solving problems concerning modulations, encoding, decoding, MA networks.	C protocols and other technical r	matters of the wireless
Basic bibliography:		
1. WiFi network guide		
2. Selected scientific papers given by the teacher.		
Additional bibliography:		
Result of average stud	lent's workload	
Activity		Time (working hours)
1. Laboratory		15
2. Problem solving	15	
3. Self study	35	
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	55	2
Contact hours	30	1
Practical activities	30	1