STUDY MODULE DESCRIPTION FORM

Name of the module/subject **(-)**		Code **1010803121010804607**

Field of study **Communications Technologies**	Profile of study (general academic, practical) **general academic**	Year /Semester **1 / 2**

Elective path/specialty **-**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

Cycle of study: **Doctoral studies**	Form of study (full-time,part-time) **full-time**

No. of hours				No. of credits **0**
Lecture: **-**	Classes: **-**	Laboratory: **-**	Project/seminars: **10**	

Status of the course in the study program (Basic, major, other) **other**	(university-wide, from another field) **university-wide**

Education areas and fields of science and art	ECTS distribution (number and %**)**

Responsible for subject / lecturer:

Promoters
email: name.surname@put.poznan.pl
tel. 61 665 8893
Electronics and Telecommunications
Piotrowo 3a, 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Has a basic knowledge from telecommunications on MSc level
2	**Skills**	is able to make use of bibliographic databases and look for literature on the subject
3	**Social competencies**	is prepared for further self study in future

Assumptions and objectives of the course:

to prepare the PhD thesis and to defend it

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Knowledge on research methodology in the scope defined by the PhD thesis being written - [-]

2. Advanced-level knowledge of general nature in the scope defined by the PhD thesis being written - [SD-W01]

3. Acquaintance with important unsolved problems in the domain under study - [SD-W03]

Skills:

1. Skills connected with the methods and methodology of scientific research, including the application of methods of synthesis and evaluation required for solving research problems and innovation-related problems - [UD-U01]

2. Ability to efficiently obtain information connected with scientific activity from various sources - [SD-U01]

3. Ability to independently formulate and verify research hypotheses - [SD-U02]

Social competencies:

1. Ability of independently develop knowledge in the scope of PhD thesis - [-]

2. Self-criticism in creative work, recognition and appreciation of the need for continuous improvement of professional competences - [SD-K01]

3. Preparation for the implementation of intended study objectives, including the pursuit of one?s own scientific career - [SD-K02]

Assessment methods of study outcomes

Evaluation of advances in PhD thesis preparation and research work in last semester, evaluation in done by promoter on the basis of reports prepared by PhD candidate.

Course description

to conduct research tasks, preparation of PhD thesis parts, reading of new publicatons in the area of PhD thesis

Basic bibliography:

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Preparation of an annula report for the promoter	1
2. Consultations with the promoter	9

Student's workload

Source of workload	hours	ECTS
Total workload	10	0
Contact hours	9	0
Practical activities	0	0