STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Communication 2**	Code **1010601131010638524**

Field of study **Aerospace Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 3**

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

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

No. of hours

Lecture: **1**   Classes: **1**   Laboratory: **-**   Project/seminars: **-**

No. of credits **1**

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

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**1 100%**
Technical sciences	**1 100%**

Responsible for subject / lecturer:	Responsible for subject / lecturer:
mgr Tomasz Zdziarski email: tomasz.zdziarski@put.poznan.pl tel. +48 500 123 362 Faculty of Transport Engineering ul. Piotrowo 3 60-965 Poznań	dr hab. inż. Agnieszka Wróblewska email: agnieszka.wroblewska@put.poznan.pl tel. +48 784 698 595 Faculty of Transport Engineering ul. Piotrowo 3 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	in the field of computer science and communication systems [PKR4]
2	**Skills**	can apply the scientific method in solving problems [PKR4]
3	**Social competencies**	knows the limits of own knowledge and skills; can work in a group [PKR4]

Assumptions and objectives of the course:

familiarizing the student with the technical-tactical capabilities of communications equipment and communication systems and applicable regulations in the field of work through technical means of communication.

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

Knowledge:

1. has a structured, theoretically founded general knowledge covering key issues in the field of on-board equipment, as well as on-board and ground-based electronic communication systems - [K1A_W09]

Skills:

1. can obtain information from literature, the internet, databases and other sources. Can integrate the information obtained and interpret conclusions and create and justify opinions - [K1A_U04]

2. can use verbal communication in one additional foreign language at the level of everyday language, can describe issues in the field of the studied field of study in this language, can prepare technical documentation descriptively - drawing engineering, transport and / or logistic tasks - [K1A_U07]

Social competencies:

1. understands the need to learn throughout life; can inspire and organize the learning process of others - [K1A_K01]

2. can interact and work in a group, taking on different roles in it - [K1A_K03]

3. is able to properly define the priorities for the implementation of a task set by himself or others - [K1A_K04]

Assessment methods of study outcomes

computer exam using Aviationexam software

Course description
basic issues related to the communication and information systems. Terminal and commutation devices. Technical characteristics of digital and analogue aviation type radios. Rules and methods of organizing communication. Regulations for conducting radio correspondence. Security and protection of communications. Operating documents and secret command. Using technical means of communication.

Basic bibliography:

1. Communication (JAR Ref 090). JAA ATP1 Training. Germany 2004

2. Procedury służb Żeglugi powietrznej Zarządzanie Ruchem Lotniczym (PL-4444)

Additional bibliography:

Result of average student's workload	
Activity	**Time (working hours)**
1. Participation in classes (according to plan)	30
2. Participation in the exam / pass	1
Student's workload	

Source of workload	hours	ECTS
Total workload	51	1
Contact hours	31	1
Practical activities	15	1