



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Communication 2

Course

Field of study

Aviation

Area of study (specialization)

Flight Training For Civil Aviation

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

Tutorials

15

Projects/seminars

Other (e.g. online)

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Leszek Grześkowiak

Responsible for the course/lecturer:

Wydział Inżynierii Środowiska i Energetyki

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Prerequisites

The student starting this subject should have a basic knowledge of the basics of computer science and communication systems. He should also have the ability to apply the scientific method in solving problems and be ready to cooperate within a team.

Course objective

Familiarizing the student with the technical capabilities of communication equipment and communication systems, and applicable labor regulations for technical means of communication.

Course-related learning outcomes

Knowledge

1. has detailed knowledge related to selected issues in the field of manned and unmanned aircraft construction, in the field of on-board equipment, control systems, communication and recording



systems, automation of individual systems, has basic knowledge of flight simulation training devices and simulation methods used to solve air transport issues

2. has basic knowledge of the vocabulary used in English to describe mathematical operations and the data presented in the diagram / graph. Has knowledge of formulating a text in English explaining / describing a selected specialist issue, has basic knowledge of the vocabulary used in English to describe the technological support of air communication, flight control systems, safety procedures at the airport related to the presence of animals, aircraft control surfaces, maneuvers performed by plane

3. has a basic knowledge of the mechanisms and laws governing human behavior and psyche

Skills

1. is able to properly use information and communication techniques, applicable at various stages of the implementation of aviation projects

2. is able to organize, cooperate and work in a group, assuming various roles in it, and is able to properly define priorities for the implementation of a task set by himself or others

Social competences

1. correctly identifies and resolves dilemmas related to the profession of an aerospace engineer

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:

- assessment of knowledge and skills demonstrated on the written test - 1.5 hour

Exercises:

- knowledge acquired during the exercises is verified by two 45-minute colloquia carried out during 3 and 7 classes

Programme content

Lecture:

Meanings and Significance of Associated Terms. Air Traffic Control Abbreviations. Q-Code Groups Commonly Used in RTF Air-Ground Communications. Categories of Messages. Radiotelephony Call Signs for Aeronautical Stations and Aircraft Including Use of Abbreviated Call Signs. Transfer of Communication. Test Procedures Including Readability Scale; Establishment of RTF Communication. Relevant Weather Information Terms (IFR).

Exercises:

Transmission of Letters, Numbers (Including Level Information), Time. Transmission Technique. Standard Words and Phrases (Relevant RTF Phraseology Included). Level Changes and Reports. Action Required to be Taken in Case of Communication Failure. PAN Medical. Morse Code.



Teaching methods

1. Lecture: multimedia presentation, illustrated with examples given on the board.
2. Exercises: examples given on the board and performance of tasks given by the teacher - practical exercises.

Bibliography

Basic

1. "Communication" (JAR Ref 090). JAA ATP1 Training. Germany 2004
2. „Procedury służb Żeglugi powietrznej Zarządzanie Ruchem Lotniczym (PL-4444)“

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	40	1,0
Classes requiring direct contact with the teacher	30	0,5
Student's own work (literature studies, preparation for written tests) ¹	10	0,5

¹ delete or add other activities as appropriate