



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Operational procedures 1

Course

Field of study

Aerospace Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

Tutorials

Projects/seminars

Other (e.g. online)

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

mgr Tomasz Zdziarski

Wydział Inżynierii Środowiska i Energetyki

email: tomasz.zdziarski@put.poznan.pl

tel. +48 500 123 362

Responsible for the course/lecturer:

dr hab. inż. Agnieszka Wróblewska, prof.PP

Wydział Inżynierii Środowiska i Energetyki

email: agnieszka.wroblewska@put.poznan.pl

tel. 61 665 2201

Prerequisites

The student starting this subject should have a basic knowledge of the regulations related to the operation of aircraft. He should also have the ability to apply the scientific method in solving problems and be ready to cooperate within a team.

Course objective

The ability to use operational and navigational documentation, interpret and apply the provisions related to the operation of aircraft, search and rescue, investigation of air accidents, anti-noise procedures, emergency procedures, transport of dangerous goods, transport of passengers, understanding the effects of violations of aviation regulations.

Course-related learning outcomes

Knowledge



1. has detailed knowledge related to selected issues in the field of flight rules, its preparation, as well as related operational procedures.
2. has expanded knowledge of technical vocabulary, in particular specialized terminology used in the fields of science and technology related to aviation engineering.
3. has ordered, theoretically founded general knowledge covering key flight safety issues and risk assessment.

Skills

1. has the ability to self-study using modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books.
2. can obtain information from literature, the Internet, databases and other sources. Is able to integrate obtained information, interpret and draw conclusions from them.
3. can develop a safety instruction for a simple and medium complex on-board device, machine or technical flying object in specified environmental conditions.

Social competences

1. is aware of the importance of maintaining the principles of professional ethics.
2. is able to properly set priorities for the implementation of the task specified by himself or others based on available knowledge.
3. Understands the need for critical assessment of knowledge and continuous learning.

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

Programme content

Lecture:

General requirements, ICAO Annex 6 - applicability, general. Operational requirements - applicability, general. Operator certification and supervision. Operational procedures (except preparation for long-range flight). Flight Preparation. Flight crew, cabin crew/crew members other than flight crew. Flight and duty time limitations and rest requirements.

PART-66 (THEORY - 11.25 hours)

MODULE 10. AVIATION REGULATIONS



10.4 Air operations [OPERATING PROCEDURES 1]

General understanding of UE-OPS; Air carrier certificates; Carriers' obligations, in particular continuing airworthiness and maintenance obligations; MEL // CDL Aircraft Maintenance Program; Documents to be carried on board; Marking of aircraft; [1]

10.5 Certification of aircraft, parts and appliances [OPERATING PROCEDURES 1]

a) General. General understanding of Part 21 and the EASA certification terms CS-23, 25, 27, 29. [1]

b) Documents. Certificate of Airworthiness; restricted certificate of airworthiness and permit to fly;

Registration certificate; Noise certificate; Weight distribution; Radio license and approval. [2]

Teaching methods

1. Lecture: multimedia presentation, illustrated with examples given on the board.

Bibliography

Basic

1. ICAO Załącznik 6, Część I Międzynarodowy, zarobkowy transport lotniczy - samoloty, Część II Międzynarodowe lotnictwo ogólne - samoloty, Część III Operacje międzynarodowe - śmigłowce.

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	37	1,0
Classes requiring direct contact with the teacher	16	0,4
Student's own work (literature studies, preparation for written tests) ¹	21	0,6

¹ delete or add other activities as appropriate