



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Operational procedures 1

Course

Field of study

Aviation

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

Other (e.g. online)

Tutorials

Projects/seminars

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

mgr Marta Nowinowska

Wydział Inżynierii Lądowej i Transportu

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Responsible for the course/lecturer:

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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 navigation, flight mechanics and piloting techniques, the use of simulators, flight rules, its preparation, and related operating procedures
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. the student has knowledge of aviation safety and management. The student knows the concept of the human factor and methods of assessing human reliability, has detailed knowledge related to selected issues in the field of human capabilities and limitations during aircraft operation in flight, its impact on health and the ability to perform air operations, as well as the possibility of improving physical condition

Skills

1. can solve tasks using basic knowledge of aerodynamics, flight mechanics and flow around a body

Social competences

1. understands that in technology, knowledge and skills very quickly become obsolete

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

MODULE 10. REGULATIONS CONCERNING AVIATION

10.4 Air operations

General understanding of EU-OPS; Air carrier certificates; Obligations of carriers, in particular obligations regarding continuous assurance airworthiness and technical service; Aircraft maintenance program MEL // CDL; Documents carried on board; Aircraft marking; [1]

10.5 Certification of aircraft, parts and equipment

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



b) Documents. Certificate of airworthiness; restricted airworthiness certificate 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