COURSE DESCRIPTION CARD - SYLLABUS

Course name
Operational procedures 1 [S1Lot2>PO1]

Course

Field of study
Aviation

Year/Semester
1/2

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
15

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

1,00

Coordinators

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Lecturers

Prerequisites

A student starting this subject should have basic knowledge of the regulations related to aircraft operation. They should also have the ability to apply the scientific method to problem solving and be willing to work as part of a team.

Course objective

Ability to use operational and navigational documentation, interpret and apply regulations related to aircraft operation, search and rescue, air accident investigation, noise prevention procedures, emergency procedures, transport of dangerous goods, transport of passengers, understanding the effects of violating 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, use of simulators, flight principles, flight preparation, and related operational procedures.
2. has basic knowledge of vocabulary used in English to describe mathematical operations and data

presented in a diagram/graph. Has knowledge of formulating a text in English explaining/describing a selected specialist issue, has basic knowledge of vocabulary used in English to describe technological support for air communication, flight control systems, airport safety procedures related to the presence of animals, aircraft control surfaces, aircraft maneuvers.
3. the student has knowledge of aviation safety and management. The student knows the concept of the human factor and methods for 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 ability to perform flight operations, as well as possibilities of improving physical condition.

Skills:
1. is able to solve tasks using basic knowledge of aerodynamics, flight mechanics and flow around bodies.

Social competences:
1. understands that in technology knowledge and skills become obsolete very quickly.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:
- assessment of knowledge and skills demonstrated in the written test - 1.5 hours

Programme content

General requirements, ICAO Annex 6 - application, general regulations. Operational requirements - application, general regulations. Operator certification and supervision. Operational procedures (except long-haul flights). Flight preparation. Aircraft crew, cabin crew/crew members, not being aircraft crew. Flight and work time limitations and required rest time.
PART-66 (THEORY - 11.25 hrs)
MODULE 10. AVIATION REGULATIONS
10.4 Flight operations [OPERATIONAL PROCEDURES 1]
General understanding of EU-OPS; Air operator certificates; Obligations of operators, in particular obligations concerning continued airworthiness and maintenance; Aircraft maintenance programme MEL//CDL; Documents carried on board; Aircraft marking; [1]
10.5 Certification of Aircraft, Parts and Appliances [OPERATIONAL PROCEDURES 1]
a) General. General understanding of Part 21 and EASA Certification Conditions CS-23, 25, 27, 29. [1]
b) Documents. Airworthiness Certificate; Restricted Airworthiness Certificate and Permit to Fly; Certificate of Registration; Noise Certificate; Weight Distribution; Radio License and Approval. [2]

Course topics

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Teaching methods

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

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:
1. Operational Procedures JAA ATPL Training, Jeppesen, 2004

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,00
Classes requiring direct contact with the teacher	16	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	14	0,50