



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Contemporary aviation issues

Course

Field of study

Year/Semester

Aviation

4/7

Area of study (specialization)

Profile of study

Air Transport Safety

general academic

Level of study

Course offered in

First-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

15

0

0

Tutorials

Projects/seminars

0

0

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr inż. Wojciech Misztal

wojciech.misztal@put.poznan.pl

Wydział Inżynierii Lądowej i Transportu

ul. Piotrowo 3, 60-965 Poznań

Prerequisites

Knowledge: Basic knowledge of aviation.

Skills: Able to think analytically and associate cause and effect relationships in aircraft.

Course objective

Learning about the requirements and challenges in 21st century aviation.

Course-related learning outcomes

Knowledge

1. has a structured and theoretically founded general knowledge of the technology and the various means of air transport, of the life cycle of the means of transport, both hardware and software, and in particular of the key processes occurring in them



2. has a well-ordered and theoretically well-founded general knowledge of the key issues of technology and a detailed knowledge of selected topics of air transport, knows the basic techniques, methods and tools used in the process of solving tasks associated with air transport, mainly of an engineering nature
3. has the ability to self-learn using modern teaching tools such as remote lectures, Internet websites and databases, teaching programmes, e-books
4. has a basic knowledge of aviation law, organizations operating in the field of civil aviation and knows the basic principles of the functioning of state aviation, has a basic knowledge of the key issues of civil aviation

Skills

1. is able to acquire information from various sources, including literature and databases, both in Polish and English, properly integrate them, interpret and critically evaluate them, draw conclusions and thoroughly justify opinions formulated by him or her
2. is able to notice in the process of formulation and solution of the air transport tasks also the legal aspects, in particular to use the aspects of the European and national aviation law regulations
3. be able to organise, cooperate and work in a group, assuming various roles, and be able to appropriately determine the priorities for the accomplishment of tasks defined by him/her or by others

Social competences

1. understands that in technology, knowledge and skills become obsolete very quickly
2. correctly identifies and resolves dilemmas associated with the profession of aerospace engineering

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of knowledge and skills on the basis of written or oral credit on the explanation of selected issues

Programme content

1. modern aircraft
2. classification, competition, safety
3. regulations, testing and certification
4. limitations on exhaust and noise emissions
5. construction of airspace
6. construction and operation of modern civil and military aircraft



Teaching methods

Informative (conventional) lecture as the transmission of information in a structured manner

Bibliography

Basic

1. Błaszczak J., Wprowadzenie w technikę lotniczą, WAT, Warszawa 1982
2. Cheda W., Malski M., Techniczny poradnik lotniczy. Płatowce, WKŁ, Warszawa 1981
3. Karpowicz J., Współczesne konstrukcje lotnicze, AON, Warszawa 2003.
4. Lewitowicz J., Podstawy eksploatacji statków powietrznych. Tom I, ITWL, Warszawa 2001

Additional

1. Pilecki S., Lotnictwo i kosmonautyka, WKŁ, Warszawa 1984

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for classes, preparation for tests,) ¹	10	0,5

¹ delete or add other activities as appropriate