



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Air Law 3

Course

Field of study

Aerospace Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/3-4; 3/5

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

30

Laboratory classes

Tutorials

15

Projects/seminars

Other (e.g. online)

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

Mikołaj Doscocz

Wydział Inżynierii Środowiska i Energetyki

email: m.doscocz@latajlegalnie.pl

tel. +48 538 398 154

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

A student starting this subject should have basic knowledge of aviation law and intellectual property protection. He should also have the ability to apply the scientific method in solving problems and be ready to cooperate within a team.

Course objective

To acquaint the student with the activities of Aviation Organizations, regulations on the licensing of aviation personnel, and air traffic management system.

Course-related learning outcomes

Knowledge

1. has expanded knowledge necessary to understand profile subjects and specialist knowledge about



construction, methods of construction, manufacture, operation, aircraft control, safety systems, economic, social and environmental impact in the field of aviation engineering for selected specialties:

1. Piloting of aircraft
2. Aero engines and airframes
2. has basic knowledge necessary to understand social, economic, legal and other non-technical conditions of engineering activities.
3. has basic knowledge in the field of ethics and law, in particular civil aviation law, copyright law, protection of industrial property and its impact on the development of technology.

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. is able to apply basic technical standards regarding safety.

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 (semesters 3 and 4);

Exercises:

knowledge acquired as part of the exercises is verified by two 45-minute colloquia carried out during 3 and 7 classes (semester 5)

Programme content

Lecture:

Semester 3:

Air Traffic Services (ATS) and Air Traffic Management (ATM): airspace, air traffic control (ATC) services, light information service (FIS), alerting service. Principles governing required navigation performance



(RNP) and air traffic service (ATS) route designators. ICAO Doc 4444 - Air Traffic Management. ATS system capacity and air traffic flow management (ATFM). General provisions for air traffic services (ATS). ATC clearances.

Semester 4:

Horizontal speed control instructions. Altimeter-setting procedures. Reporting of operational and meteorological information. Separation methods and minima. Separation in the vicinity of aerodromes (ADs). Procedures for aerodrome (AD) control service. Radar services. Aeronautical Information Services (AIS).

Exercises:

Semester 5:

Integrated aeronautical information package. Notices to airmen (NOTAMs). Aeronautical information regulation and control (AIRAC). Aeronautical information circulars (AICs). Pre-flight and post-flight information/data. AERODROMES (ICAO Annex 14, Volume I - Aerodrome Design and Operations, and Regulation (EU) No 139/2014). Aerodrome (AD) operational services, equipment and installations. Search and Rescue (SAR). Security - Safeguarding International Civil Aviation against Acts of Unlawful Interference (ICAO Annex 17).

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. Ustawa z dnia 3 lipca 2002 r. – Prawo lotnicze (Dz. U. z 2013 r. poz. 1393 oraz z 2014 r. poz. 768)
2. Konwencja o międzynarodowym lotnictwie cywilnym, podpisana w Chicago dnia 7 grudnia 1944 r. - Konwencja chicagowska (Dz. U z 1959 r. Nr 35, poz. 212, z późn. zm) wraz z załącznikami
3. Doc 4444 - Zarządzanie ruchem lotniczym
4. Doc 7030/4 - Regionalne Procedury Uzupełniające dla Regionu Europy
5. Doc 8168 - Operacje statków powietrznych

Additional



Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	56	2,2
Student's own work (literature studies, preparation for written tests) ¹	19	0,8

¹ delete or add other activities as appropriate