



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Aviation product certification

Course

Field of study

Aviation

Area of study (specialization)

Unmanned Aerial Vehicle

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

3/6

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

mgr inż. Marta Maciejewska

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Responsible for the course/lecturer:

mgr inż. Barbara Mika

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Prerequisites

Knowledge: Basic knowledge of the functioning of civil aviation

Skills: the ability to solve research problems using scientific methods

Social competences: the ability to precisely formulate questions; the ability to define priorities important in solving the tasks set for him; the ability to formulate a research problem and search for its solution, independence in problem-solving, the ability to cooperate in a group

Course objective

Acquainting the student with the regulations concerning the certification process of aviation products

Course-related learning outcomes

Knowledge



1. has ordered and theoretically founded general knowledge in the field of key technical issues and detailed knowledge of selected issues related to air transport, knows the basic techniques, methods and tools used in the process of solving tasks related to air transport, mainly of an engineering nature [L1_W03]

2. has basic knowledge of aviation law, organizations operating in civil aviation and knows the basic principles of state aviation functioning, has basic knowledge of key issues in the functioning of civil aviation [L1_W24]

Skills

1. can see legal aspects in the process of formulating and solving tasks in air transport, in particular, use the aspects of European and national aviation law [L_U05]

Social competences

1. correctly identifies and resolves dilemmas related to the profession of aerospace engineer [L_U05]

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

Programme content

1. Basic concepts of aircraft continuing airworthiness and maintenance
2. Scope of Regulation 1321/2014. Part M, Part 66, Part 145, Part 147.
3. Certification procedures
4. The airworthiness cycle of the aviation product. POA and DOA
5. Scope of Regulation 1702/2003. Part 21
6. Sample maintenance plan for a passenger plane - overview

Teaching methods

Informative (conventional) lecture (providing information in a structured way) - may be of a course (introductory) or monographic (specialist) character.

Bibliography

Basic

1. Ustawa z dnia 3 lipca 2002 r. Prawo lotnicze (Dz.U. z 2020 r. poz. 1970)
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. Rozporządzenie Komisji (UE) 1321/2014 z dnia 26 listopada 2014 r. w sprawie ciągłej zdadności do lotu statków powietrznych oraz wyrobów lotniczych, części i wyposażenia, a także w sprawie zatwierdzeń udzielanych organizacjom i personelowi zaangażowanym w takie zadania

4. ROZPORZĄDZENIE KOMISJI (WE) NR 1702/2003 z dnia 24 września 2003 r. ustanawiające zasady wykonawcze dla certyfikacji statków powietrznych i związanych z nimi wyrobów, części i wyposażenia w zakresie zdadności do lotu i ochrony środowiska oraz dla certyfikacji organizacji projektujących i produkujących

Additional

1. Danilecki S., Eksploataowanie samolotów, Redakcja WAT, 2016 Warszawa

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