

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Air law and air traffic control procedures 2		Code 1010601141010637564
Field of study Aerospace Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty Aircraft Engines and Airframes	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 2 Classes: 1 Laboratory: - Project/seminars: -		No. of credits 2
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 2 100% 2 100%
Responsible for subject / lecturer: mgr Wojciech Nowaczyk email: wojciech.nowaczyk@put.poznan.pl tel. +48 500 123 360 Faculty of Transport Engineering ul. Piotrowo 3 60-965 Poznań		Responsible for subject / lecturer: dr hab. inż. Agnieszka Wróblewska email: agnieszka.wroblewska@put.poznan.pl tel. +48 784 698 595 Faculty of Transport Engineering ul. Piotrowo 3 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge of aviation law, protection of intellectual property [PRK4]
2	Skills	Able to apply the scientific method in solving problems [PRK4]
3	Social competencies	Knows the limits of his knowledge and skills; can work in a team [PRK4]
Assumptions and objectives of the course: acquainting the student with the activities of the Aeronautical Organization, regulations on the licensing of flight personnel and the air traffic management system		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. has basic knowledge in the field of law, in particular law on civil aviation, copyright and protection of industrial property and its impact on the development of technology, can use the resources of patent information - [K1A_W25]		
Skills: 1. has the ability to self-study using modern teaching tools, such as remote lectures, websites and databases, didactic programs, e-books - [K1A_U03] 2. can use verbal communication in one additional foreign language at the level of everyday language, can describe issues in the field of the studied field of study in this language, can prepare technical documentation descriptively - drawing engineering, transport and / or logistic tasks - [K1A_U07]		
Social competencies: 1. understands the need to learn throughout life; can inspire and organize the learning process of other people - [K1A_K01] 2. is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions - [K1A_K02]		
Assessment methods of study outcomes		
written exam		

Course description		
<p>Intellectual property protection. International agreements and aviation organizations. Organization of International Civil Aviation. European aviation organizations. National aviation law. Civil Aviation Authority. Regulations on the licensing of flight crew. Air traffic management system. Air navigation services. Air traffic control services - organization, objectives and scope of application. Area control service - separation minima. Air traffic control permits. Communication procedures. Proximity control service - procedures for arriving and departing aircraft. Airport control service - airport control tower tasks. Air traffic control in the area and at the airport. Air information services - organization, goals and application. Emergency service. Airspace. Region of flight information. Controlled space. Uncontrolled space. General rules of air traffic. Rules for operating VFR flights. IFR flight regulations. Air traffic controlled. International flights. Flights in uncontrolled space. Operations of aircraft. Arrival and departure procedures. Approach procedures. Waiting procedures. Procedures for setting the altimeter. Procedures for using a secondary radar transponder. Aeronautical information services. Use of aeronautical information service publications. Regulatory mechanisms used in air traffic flow management.</p>		
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. Ustawa z dnia 3 lipca 2002 r. ? Prawo lotnicze (Dz. U. z 2013 r. poz. 1393 z późn. zm oraz z 2014 r. poz. 768 z późn. zm) 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 - Zarządzenie ruchem lotniczym 4. Doc 7030/4 - Regionalne Procedury Uzupełniają?ce dla Regionu Europy 5. Doc 8168 - Operacje statko?w powietrznych 		
<p>Additional bibliography:</p>		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in classes (according to plan)	45	
2. Preparation for the exam / pass	5	
3. Participation in the exam / pass	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	51	2
Contact hours	26	1
Practical activities	25	1