

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Issues of modern aviation		Code 1010601171010623542
Field of study Aerospace Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 4 / 7
Elective path/specialty Aircraft Transport	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: 1 Classes: - Laboratory: 1 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: prof. dr hab. inż. Jerzy Merkisz email: jerzy.merkisz@put.poznan.pl tel. 61-665-2207 Faculty of Transport Engineering ul. Piotrowo 3 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge in the field of aviation.
2	Skills	Able to think analytically and associate of cause and effect in terms of aircraft.
3	Social competencies	Able to work in a group and understand the basics of security.
Assumptions and objectives of the course: Understanding the requirements and challenges of the twenty-first century aviation.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Able to define the basic concepts of air transport such as airport, the airport, the aircraft division, knows the limits of liability of carriers - [-]		
2. has a basic knowledge about the construction of aircraft - [-]		
3. Is aware of the existing laws of physics in the air transport - [-]		
Skills:		
1. Is able to identify the problem in the field of air transport. - [-]		
2. Is able to analyze the cause and effect of the problem and propose a solution to the problem - [-]		
Social competencies:		
1. Understands the need for learning throughout life - [-]		
2. Is aware of the importance and understand the business impact of non-technical engineer, particularly in terms of the impact of aviation on the environment - [-]		
Assessment methods of study outcomes		
Exam or test		

Course description		
flying ships and missiles classification, competitiveness, safety, regulations, testing and certifications, reduce emissions and noise, increase? capacity? airspace.		
Basic bibliography:		
1. W. Cheda, M. Malski ? Techniczny poradnik lotniczy. Silniki. WKiŁ, Warszawa 1984		
Additional bibliography:		
1. Pilecki S., Lotnictwo i kosmonautyka, WKŁ, Warszawa 1984		
2. Szczeciński S., Ilustrowany leksykon lotniczy. Technika lotnicza, WKŁ, Warszawa 1988.		
Result of average student's workload		
Activity	Time (working hours)	
1. Preparation for lectures	5	
2. Participation in lectures	30	
3. Learning of lectures content	5	
4. Office hours - lectures	5	
5. Preparation for exam	5	
6. Participation in exam	2	
Student's workload		
Source of workload	hours	ECTS
Total workload	50	2
Contact hours	35	1
Practical activities	15	1