



1. Subject name	Flight Safety, PhD				
2. Subject name in Hungarian	Repülésbiztonság PhD				
3. Code	BMEKORHD017	4. Evaluation type	exam grade	5. Credits	2
6. Weekly contact hours	2 (0) Lecture	0 (0) Practice	0 (0) Lab		
7. Curriculum	PhD Programme	8. Role	Specific course		
9. Working hours for fulfilling the requirements of the subject					120
Contact hours	28	Preparation for seminars	30	Homework	15
Reading written materials	15	Midterm preparation	0	Exam preparation	32
10. Department	Department of Aeronautics and Naval Architectures				
11. Responsible lecturer	Dr. Rohács Dániel				
12. Lecturers	Dr. Rohács Dániel				
13. Prerequisites					
14. Description of lectures					
The subject gives a brief overview of the aviation system, its most important elements. Then he deals with opportunities for improvement of aviation safety, interpretation of safety, indicators of aviation safety, risk, flight situations, their classification, risk management, development of methods of risk analysis, regularities of reliability models.					
15. Description of practices					
16. Description of labortory practices					
17. Learning outcomes					
A. Knowledge B. Skills					
• Students must know comprehensively, interpret in a constructive way and apply in his research activities in an innovative way the following elements of analysis methods: the basics of the safety of the prepulse, the indicators of flight safety, the flight situations and their classification, the methods of risk management and risk analysis.					
C. Attitudes D. Autonomy and Responsibility					
• Students must persue to get knowledge of the new scientific results, the latter are applied with responsibility and initiates new reasurce activities in new fields of knowledge in an innovative way.					
18. Requirements, way to determine a grade (obtain a signature)					
Accepted homework and oral exam.					
19. Opportunity for repeat/retake and delayed completion					
According to the TVSZ					
20. Learning materials					
Shari Krause: Aircraft Safety (ISBN-10: 0071409742)					
James M. Walters: Aircraft Accident analysis (ISBN-10: 0071351493)					
Richard H. Wood: Aviation Safety Programs: A Management Handbook (ISBN-10: 0884873293)					
Clarence rodrigues: Commercial Aviation Safety (ISBN-10: 0071763058)					
Effective date	27 November 2019	This Subject Datasheet is valid for		Inactive courses	