

Faculty of Transportation Engineering and Vehicle Enginee

1. Subject name	Air Traffi	c Control				
2. Subject name in Hungarian	Air Traffic Control					
3. Code	BMEKOVRM235	4. Evaluation type	exam grade	5. Credits	4	
6. Weekly contact hours	2 (9) Lecture	0 (0) Practice	1 (5) Lab	-		
7. Curriculum	Transportation Engineering MSc (K)	8. Role	Specialization (sp) at Transportation Engineering MSc (K)			
9. Working hours	9. Working hours for fulfilling the requirements of the subject 120					
Contact hours	42	Preparation for seminars	11	Homework	0	
Reading written materials	53	Midterm preparation	4	Exam preparation	10	
10. Department	Department of Aeronautics and Naval Architectures					
11. Responsible lecturer	Dr. Rohács Dániel					
12. Lecturers	Dr. Rohács Dániel, Gál István					
13. Prerequisites						
14. Description of	lectures					
ELEMENTS OF AIF Control (APP). Area AIRSPACE CLASS airspace. Sectorizat MODERN <u>ATC</u> ME ⁻ Block project. Flexik SUPPORT SYSTEM and Mid Term Confl HUMAN FACTORS Psychological factor	R TRAFFIC CONTRC Control (ACC). ES AND CATEGORI ion. Special airspace THODS - Limitations ole Use of Airspace. F MS - Tasks and work ict Alert (STCA & MT 5 OF <u>ATC</u> - Minimum rs. Health factors. Hu	DL - History of <u>ATC</u> . E ES - Definition of airs types. of previous methods Free Route Airspace. structure of Air Traff TCA). Proximity Warn skills and basic know man factors. Case st	Elements of <u>ATC</u> . Aer space. Classes of airs . National and Europe HUFRA (Hungarian F ic Control Officers. So ing methods (MSAW vledge. Methods of as udies.	odrome Control (TW) pace. Elements of air ean characteristic. Fu Free Route Airspace) eparation. Dangerous & APW). ssessing abilities, FE	२). Approach rspace. Hungarian nctional Airspace s situations. Short- AST test.	
15. Description of	practices					

16. Description of labortory practices

During labor courses students become familiar with <u>ATC</u> procedures and methods and effects of measuring human factors.

17. Learning outcomes

A. Knowledge

- Knows and understands the work of <u>ATC</u>. Knows the elements of airspaces, the elements, methods and support systems of the Air Traffic Control. Knows the requirements of ATCOs, the concept of workload and human factors, their measurement capabilities.
- B. Skills
 - Based on the knowledge above the student can master the deeper, more specific knowledge of <u>ATC</u> activities, elements and subprocesses quickly and easily.

C. Attitudes

- Interested, responsive.
- D. Autonomy and Responsibility
 - Is able to independently further propagate in various special fields of the learned field.

18. Requirements, way to determine a grade (obtain a signature)

Mid-term requirement: Performing laboratory excercises and 1 mid term exam Final grade: 1 exam measuring the theoretical knowledge. The final grade is the result of the exam

19. Opportunity for repeat/retake and delayed completion

Retake possibility of a laboratory excercise or the mid-term exam Retake exam possible according to the general rules of BME

20. Learning materials							
The presentation about the lectures Literature							
Effective date	10 October 2019	This Subject Datasheet is valid for	2024/2025 semester II				