

UNIVERSITY OF NYÍREGYHÁZA
 Institute of Technical and Agricultural Sciences
 Department of Transport Science and Infotechnology

Subject: BHR2018 Flight prep. II
 2024/2025 academic year II. semester
 Aeronautical engineer Class III.

EDUCATIONAL PLAN

Number of teaching weeks: 14	Credit value of the subject: 5
Lecture: 3 hours per week, semester: 42 hours	Exercise: 3 hour per week, semester: 42 hours
Lecturer: Dénes Szilágyi PhD Associate Professor	Course leader: Dénes Szilágyi PhD Associate Professor

Form of assessment:	practical grade
Number of classroom papers:	2
Number of homework:	1
Dates of classroom papers:	weeks 14 and 21
Deadline for submission:	week 19

Required and recommended reading:

- Flight Planning and Monitoring BGS 2021
- Flight Performance and Planning 2 Oxford Aviation Services Ltd. 2014
- BCAA CAP 697
- JEPPESEN GSPRM Route Manual
- AIP Hungary
- Various Aircraft Flight Operations Manuals
- Flight Plan, meteorological charts, telegrams, NOTAMs, SNOWTAMs.

Students' work is assessed on the base of the following points system.

Attendance, disciplined behaviour and active work in class will be assessed according to the Study and Examination Regulations.

Hourly activity	5 points
Homework	15 points
Classroom paper 1 st	40 points
Classroom paper 2 nd	40 points
The maximum score	100 points

To complete the semester, you need to achieve a minimum of 51% per task!

Nyíregyháza, 09. February 2025.

Edited:

Checked:

Dénes Szilágyi PhD
subject coordinator

László Sikolya CSC
Head of Department

Cal. week	Presentation subject	No. of hours	Exercise subject	No. of hours
7. A	Introduction, Distance & Speed, Aircraft loading	1-3	Calculation of NAM / NGM TAS /GS Using the slide graphic computer Repetition of knowledge of Aircraft Loading	1-3
8. B	Fuel Planning	4-6	Using the different fuel schemes, methods for reducing contingency fuel	4-6
9. A	Information Sources	7-9	Gain and use of AIP, MET charts and textual information, NOTAMs	7-9
10. B	VFR Flight Planning, CAP 697 SEP, SEP VFR Flight	10-12	Direction and distance measurements, detecting obstacles, determining safe altitudes	10-12
11. A	CAP 697 MEP, MEP VFR Flight	13-15	Interpretation and use of meteorological information in performance determination.	13-15
12. B	IFR Flight Planning, IFR Navigation Log	16-18	Use of the marking system, determination of the flight path, use of meteorological information	16-18
13. A	CAP 697 MRJT Simplified Planning, CAP 697 MRJT Detailed Planning	19-21	Classroom paper	19-21
14. B	MRJT IFR Flight Planning	22-24	Fuel calculation, using meteorological information in navigation calculations	22-24
15. A	Pre-Flight Planning, Monitoring the Flights Progress	25-27	in-flight monitoring	25-27
16. B	Contingency Planning	28-30	Using PET for different purposes, PSR	28-30
17. A	Spring break	-	Spring break	-
18. B	MRJT Non-Normal Operation	31-33	Gear down ferry flights, fuel tankering	31-33
19. A	Long Range Flight	34-36	ETPS, polar flights	34-36
20. B	The ICAO Flight Plan	37-39	FPL, RPL application and handling	37-39
21 A	LRJT Flight Planning	40-42	Classroom paper	40-42