



UNDERGRADUATE STUDY: **AERONAUTICS**

SEMESTER (III)

Syllabus

Academic year 2021/2022

Course:		Aviation English III			
Head of course: Ivana Francetić, B.A.					
Co-lecturers: Siniša Prekratić, B.A.					
Semester: III	Course code: 95317	Lectures: 15	Auditory exercises: 15	Laboratory exercises:	ECTS credits: 1
Group for lectures: 25 students			Group for auditory and laboratory exercises: 25 students		

Objective of the course:

- Provide knowledge and information necessary to demonstrate at least Level 4 according to ICAO English Level Proficiency Testing descriptors.

Learning outcomes:

After the completion of the course the student will be able to:

1. Use complex grammatical structures (conditional clauses and passive) in Aviation English texts.
2. Differ instruments in aviation (artificial horizon, airspeed indicator, altimeter, variometer, accelerator, turn-and-bank indicator) in English.
3. Compare types of engines (propeller and jet), types of system (hydraulic, electric, fuel, pneumatic and engine lubrication systems).
4. Categorize meteorological phenomena (wind, rain, drizzle, snow, thunder, hail, fog, visibility, cloud coverage, air temperature, dew point).
5. Translate precisely from Croatian into English texts on Aviation topics in accordance with the ICAO language descriptors, using glossaries and dictionaries (ICAO English Language Proficiency Requirements - Level 5)
6. Use proper terminology and complex grammatical structures when describing and analyzing routine and non-routine situations and aircraft incidents and accidents (Palermo accident, Hudson river incident)
7. Actively participate in class discussions on aviation industry topics



LECTURES and EXERCISES

Week	Syllabus	Form of classes	Performed by	Lessons	Remark
1.	<ul style="list-style-type: none"> Explanation of the syllabus and the aims of the course. Introduction into the books and other sources to be used in the course Assigning seminar papers 	L	Siniša Prekratić	2	
2.	<ul style="list-style-type: none"> Instruments (basic six) Electrical systems Glass cockpit 	L	Siniša Prekratić	1	
	<ul style="list-style-type: none"> Introduction to passive voice 	AE	Siniša Prekratić	1	
3.	<ul style="list-style-type: none"> Jet engines Parts of jet engine Engine operations 	L	Siniša Prekratić	1	
	<ul style="list-style-type: none"> Present passive 	AE	Siniša Prekratić	1	
4.	<ul style="list-style-type: none"> Piston engines Parts of engine Internal combustion engine - cycles 	L	Siniša Prekratić	1	
	<ul style="list-style-type: none"> Past passive 	AE	Siniša Prekratić	1	
5.	<ul style="list-style-type: none"> Turbine engines Engine types – turbofan, turboprop How gas turbine engines work? 	L	Siniša Prekratić	1	
	<ul style="list-style-type: none"> Future passive 	AE	Siniša Prekratić	1	



6.	<ul style="list-style-type: none">1st revision exam	AE	Siniša Prekratić	2	
7.	<ul style="list-style-type: none">Oil system and Cooling system Case study 1 – Palermo accident	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Constructions with Passive	AE	Siniša Prekratić	1	
8.	<ul style="list-style-type: none">Hydraulic, fuel, pneumatic and electrical systems	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Adjectives (Comparison and contrasting)	AE	Siniša Prekratić	1	
9.	<ul style="list-style-type: none">Aviation fuel and environment	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Conditional clauses – type 0 and 1	AE	Siniša Prekratić	1	
10.	<ul style="list-style-type: none">Meteorology 1 – cloudsSky cover designators	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Conditional clauses – type 2	AE	Siniša Prekratić	1	
11.	<ul style="list-style-type: none">Meteorology 2 – precipitation, wind and turbulenceCase study 2 – Polish president Lech Kaczynski killed in plane crash	L	Siniša Prekratić	1	



	<ul style="list-style-type: none">Conditional clauses – type 3	AE	Siniša Prekratić	1	
12.	<ul style="list-style-type: none">Meteorology 3 – weather hazards (ice, fog, thunderstorms, windshear, CAT, microburst)	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Conditional clauses – mixed types	AE	Siniša Prekratić	1	
13.	<ul style="list-style-type: none">Animal hazardCase study 3 – Hudson river incident	L	Siniša Prekratić	1	
	<ul style="list-style-type: none">Revision of Conditional clauses	AE	Siniša Prekratić	1	
14.	<ul style="list-style-type: none">2nd revision exam	AE	Siniša Prekratić	2	
15.	<ul style="list-style-type: none">Review of the 2nd revision exam – revisions for the final exams	AE	Siniša Prekratić	2	

L = Lectures; AE = Auditory Exercises; LE = Laboratory Exercises; S = Seminars





STUDENT OBLIGATIONS AND EXAMS

Conditions for obtaining signatures:

The student acquires the right to get a signature for $\geq 80\%$ of attendance during the lectures and attendance at $\geq 70\%$ of exercises. The attendance in the percentage lower than 80% at lectures and exercises may be justified by adequate medical note. The student is required to write one seminar paper (around 1000 words) which is to be presented in front of the class during Aviation English IV lectures. There are no pre-conditions from other courses except basic knowledge of the English language.

Written exam:

There are two ways of passing the exam:

- a) **Written quizzes** – consists of writing two written tests during the semester. The first quiz can be attended by all students enrolled in the course in the current academic year. The second quiz at the end of the semester can be attended by the students who have acquired a positive grade from quiz 1.
- b) **Written test** – consists of a final written exam during regular examination periods. The written exam can be attended by students who attended classes regularly and have written a seminar paper.

Oral exam: To attend the oral part of exam, the student has to pass two written quizzes or the final written exam.

LITERATURE

a) Obligatory literature:

1. Material published on Merlin system
2. Raymond Murphy: **ENGLISH GRAMMAR IN USE**, CUP, Cambridge (the latest edition)
3. Additional materials brought to the class by the lecturer

b) Recommended literature:

1. Henry Emery&Andy Roberts: **Aviation English**, Macmillan, 2010
2. C. Douglas Billet: **Ready for Take-Off**, Media Training Cooperation, Cannes, 2000
3. S. Ellis&t. Gerighty: **English for Aviation**, OUP, 2008
4. Various audio and video material (on Merlin)
5. Summaries of all student presentations





METHODOLOGY OF THE IMPLEMENTATION OF THE COURSE PLAN

1. LECTURES

Lectures follow material given on Merlin. Grammar topics rely on the book **English Grammar in Use**. Grammar and syntax are being explained during lectures, especially topics relevant to non-native speakers of English. Various language functions are being explained during the lectures (questions, imperatives, obligations) which are especially important for Aviation English as a language for specific purposes. Aviation English terminology is being presented.

2. AUDITORIAL EXERCISES

The primary function of the auditory exercises is to practice speaking skills (actively and passively). Audio materials are being used. Main language skills are being practiced: speaking, listening, reading, understanding and writing (with the emphasis on the two first mentioned.) Since grammatical structures are to be practiced as well, the students will be given various grammatical exercises for work at home and in the class as well.

Students are provided by complete authorized instructional material in print form.

Students exercise reading, the emphasis being put on correct pronunciation and accent. Specific language functions (asking questions, finding information, giving advice and orders etc.) are dealt with in detail.





4. DOCUMENTATION

Kept electronic records of presence in lectures and exercises (students carry out records using student cards). There is a paper and electronic record database in Excel for all student. All written exams are being kept at the Department of aeronautics.

5. SCORING SYSTEM

Table 1 The scoring system for the monitoring of students and explained credit values in ECTS credits

no	Segment:	Required credits to be achieved:		Remark:	ECTS credits
		Min.	Max.		
1.	Presence in lectures				0.2
3.	Seminar paper				0.2
4.	2 quizzes = written exam				0.3
5.	Oral exam				0.3
Σ					1





Table 2 - Explanation of the credit values in evaluations:

Achieved % in the written exam	Grade
95 - 100%	Excellent (5)
88 - 94 %	Very good (4)
81 - 87 %	Good (3)
75 - 80%	Sufficient (2)

Information for students (scoring system, implementation plan, learning outcomes, syllabus, literature, consulting teachers, announcement of results of examinations or colloquium, and all other information):

- <http://www.fpz.unizg.hr>

