



GRADUATE STUDY: **AERONAUTICS**

SEMESTER (II)

Syllabus

Academic year 2025/2026

Course: Aviation English 2						
Head of course: Siniša Prekratić , mag. philol. angl.						
Co-lecturers:						
Semester: S	Course code: 253996	Lectures: 30	Auditory exercises: 15	Laboratory exercises: 0	Seminars: 0	ECTS credits: 3
Group for lectures: 20			Group for auditory and laboratory exercises: 20			

Objective of the course:

Enable students to acquire 4 basic language skills (reading, writing, listening, speaking).
To provide the knowledge necessary for meaningful and grammatically correct expression on aviation topics using professional vocabulary.

Course enrolment requirements:

- To be eligible to enroll in the course the student needs to have a B2 level proficiency in English

Learning outcomes:

1. Use and analyse nouns, definite and indefinite articles, prepositions, adverbs and pronouns in professional texts in English.
2. Explain the basic concepts related to aerodynamics (forces affecting the aircraft in flight, Bernoulli's principle, Newton's laws of motion) in English.
3. Describe and compare types and basic parts of aircraft in English.
4. Compare engine types and explain engine operation (piston engines, jet engines) in English language
5. Differentiate between the instruments in the aircraft (altimeter, variometer, speedometer, turn indicator and slips, course indicator, artificial horizon) in English
6. Explain the basics of navigation and finding your way around in English.
7. Accurately translate texts from the field of aviation in accordance with ICAO from Croatian to English descriptors using dictionaries, glossaries of the general language



and the language of the profession (according to ICAO English Language Proficiency Requirements - Level 4)

8. Actively participate in discussions on discussed aviation topics, respect other people's opinions and react to the mistakes of fellow students and provide answers.



LECTURES, EXERCISES and SEMINARS

Week	Syllabus	Form of classes	Performed by	Lessons	Remark
1.	- Introduction to the course; course requirements, literature - Aerodynamics (Bernoulli's Principle, Newton's Laws of Motion)	L	Siniša Prekratić	2	
	Countable and uncountable nouns	AE	Siniša Prekratić	1	
2.	Principles of Flight (four forces, three motions)	L	Siniša Prekratić	2	
	Singular and plural nouns; Irregular plural	AE	Siniša Prekratić		
3.	Aircraft Stability and Control	L	Siniša Prekratić	2	
	Proper names	AE	Siniša Prekratić	1	
4.	Aircraft Structure and Flight Controls: Wings and Tail unit	L	Siniša Prekratić	2	
	Indefinite articles	AE	Siniša Prekratić	1	
5.	Aircraft structure: Fuselage	L	Siniša Prekratić	2	



	▪ Definite articles	AE	Siniša Prekratić	1	
6.	▪ Aircraft Structure: Landing gear	L	Siniša Prekratić	2	
	▪ Compound nouns	AE	Siniša Prekratić	1	
7.	▪ Aircraft Specifications (MTOW, length, cabin width). Describing Position on an Aircraft	L	Siniša Prekratić	2	
	▪ Punctuation: Period, dot, point, full stop	AE	Siniša Prekratić	1	
8.	▪ Case study 1	L	Siniša Prekratić	2	
	▪ Mid-term exam 1	AE	Siniša Prekratić	1	
9.	▪ Piston engines (parts of piston engines, internal combustion engine cycles)	L	Siniša Prekratić	2	
	▪ Phrasal verbs	AE	Siniša Prekratić	1	
10.	▪ Jet engines (parts of jet engines, engine types, engine operations)	L	Siniša Prekratić	2	



	▪ Determiners	AE	Siniša Prekratić	1	
11.	▪ Instruments (basic six – flight, engine, navigation instruments)	L	Siniša Prekratić	2	
	▪ Pronouns	AE	Siniša Prekratić	1	
12.	▪ Helicopters	L	Siniša Prekratić	2	
	▪ Prepositions	AE	Siniša Prekratić	1	
13.	▪ Navigation; VFR and IFR; dead reckoning, pilotage, NDB, VOR, DME, ILS	L	Siniša Prekratić	2	
	▪ Conjunctions	AE	Siniša Prekratić	1	
14.	▪ Flight planning	L	Siniša Prekratić	2	
	▪ Abbreviations	AE	Siniša Prekratić	1	
15.	▪ Case study 2	L	Siniša Prekratić	2	
	▪ Mid-term exam 2	AE	Siniša Prekratić	1	



STUDENT OBLIGATIONS AND EXAMS

Conditions for obtaining signatures:

Attend at least 80% of lectures and auditory exercises.

Written Examination:

There are two ways of passing the written part of the exam:

1. By passing two mid-term exams during the course. Students who do not pass both mid-term exams have to take the final written exam.
2. By passing the final written exam during regular exam periods.

Oral exam:

To take the oral exam, the students have to pass either the mid-term exams or the final written exam. All students must take the oral part of the exam.

LITERATURE

a) Obligatory literature:

1. Henry Emery & Andy Roberts: Aviation English, Macmillan, 2010
2. S. Ellis & T. Gerighty: English for Aviation, OUP, 2008; Michael McCarthy and Felicity O'Dell: English Vocabulary in Use, Advanced, CUP, Cambridge, 2008
3. E. Walker & S. Elsworth: Grammar Practice, Longman, Pearson Education Limited, England (the latest edition)
4. 4. Pilot Handbook of Aeronautical Knowledge, FAA, U.S. Department of Transportation, 2016
5. 5. Teaching materials made available through Merlin teaching platform

b) Recommended literature:

1. C. Douglas Billet: Ready for Take-Off, Media Training Cooperation, Cannes, 2000
2. White, Rowland - Cleared for takeoff_ the ultimate book of flight, San Francisco Chronicle Books LLC, 2016

METHODOLOGY OF THE IMPLEMENTATION OF THE COURSE PLAN

Prerequisite for this course is knowledge of English language.

1. LECTURES

The lectures follow the content of the materials prepared for the classes. Aviation English terminology is practised. Various language functions (questions, commands, prohibitions, etc.) particularly relevant to Aviation English are practiced. Before moving on to a new topic students can get an unannounced 5-minute test with questions relating to the material of previous lectures. Translations of professional texts and writing summaries of extended aviation related texts are practiced in class.



2. AUDITORY EXERCISES

Spoken communication is practiced in auditory exercises. Audio-visual materials are used both in class and assigned for homework. All four language skills are practiced with a special emphasis on speaking and listening. English grammar is taught through both explicit and implicit instruction. Specific linguistic functions relevant for Aviation English are practiced (asking questions, giving orders, seeking clarifications, etc.).

3. DOCUMENTATION

Attendance records, mid-term exams and final exams are kept and archived in accordance with Examination regulations of the Department of Aeronautics.

4. SCORING SYSTEM

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

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no	Segment:		Required credits to be achieved:		Remark:	ECTS credits
			Min.	Max.		
Points for the realization of the condition: Courses requirements achieved*						
1.	Attendance		1	1		1
2.						
3.						
Other points						
4.	First colloquium	= Written exam	0.5	0.5	Students must pass both colloquiums or min 50% on written final exam.	0.5
5.	Second colloquium		0.5	0.5		0.5
6.	Oral exam		1	1	At the final exam, a final grade is formed based on the written examination and oral examination. The final grade is than entered in the ISVU system.	1
Σ	Overall points:				Overall ECTS points:	3

*During the course the student is evaluated based on the sum of the internal points earned through participating in class (lectures and exercises) and grading the seminar work. The student, in order to realize the condition "courses requirements achieved", must achieve a minimum of 30 points.



Table 2 - Explanation of the credit values in evaluations

CREDITS:	Estimate based on attendance, seminar paper and two colloquies (or written exam) - [3 ECTS] *:	The final score [3 ECTS] *:
75 – 80%	2	3
81 – 87 %	3	
88 – 94 %	4	
95 – 100%	5	

*All 7 ECTS can be gained in total only if the student has received a positive opinion on the oral part of the exam. All 7 credits are recorded simultaneously with the entry of the final grade in ISVU system.

** At the final exam, a final grade is formed based on the written examination and oral examination. The final grade is then entered in the ISVU system.

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

- <https://moodle.srce.hr/2025-2026/> (<https://merlin.srce.hr>)
- <http://www.fpz.unizg.hr/isvu/2025-en/>