



International Air Force Semester

2020-1-EL01-KA203-079068

Aeronautics Modules

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01 Objective

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01 Objective



Objective

- To acquire specialized terminology in the field of aerial navigation, aviation meteorology and aviation english.
- To inform the students and develop their ability to understand the mechanisms by which meteorological factors influence flight activities and flight safety.
- To improve the students' aviation related terminology in English and their English language communication skills in accordance with the ICAO Language Proficiency Rating Scale in order to function better in an international aviation environment.
- Adequate knowledge regarding flight safety during operational procedures.



02 Modules Selection

1st Multiplier Event



Modules Selection

	Module Name	ECTS
1	Aviation Meteorology	2
2	Aviation English	4
3	Aerial Navigation	2



03 Modules Description

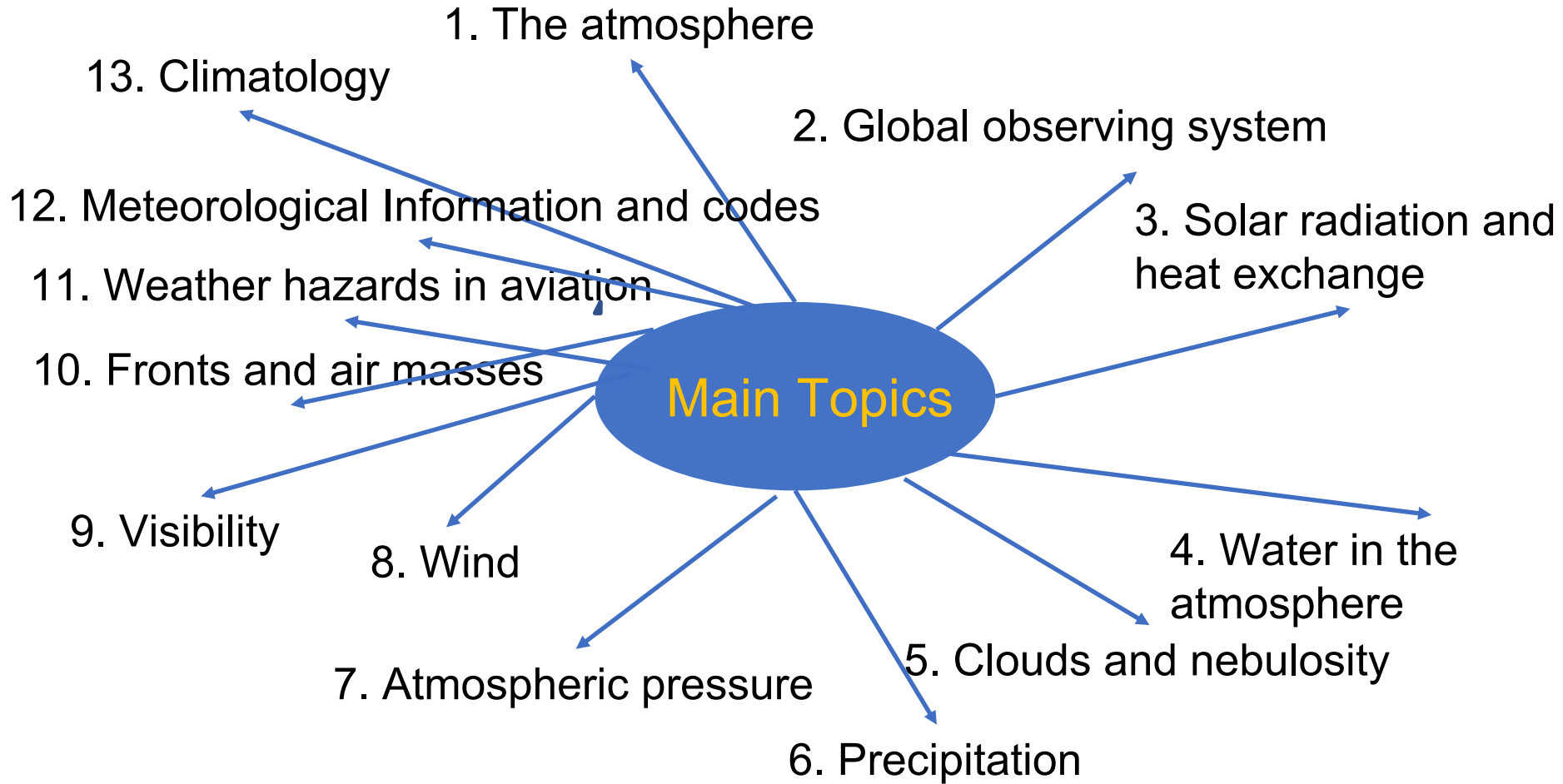


Aviation Meteorology (1/3)

- Goals
 - To acquire specialized terminology in the field of aviation meteorology.
 - To inform the students and develop their ability to understand the mechanisms by which meteorological factors influence flight activities.
 - To acquire knowledge on meteorological phenomena and hazards that affect flight activities.
 - Learning of a specialized language, coherent and concretely, able to ensure the achievement of a level of scientific training in accordance with the current requirements in the field.



Aviation Meteorology (2/3)





Aviation Meteorology (3/3)

- Verification of learning outcomes



Final exam



Assignment on weather observation and decodification of meteorological information issued in METAR/SPECI, TAF, SIGMET



Case study on weather scenarios with specific meteorological conditions. Students will have to discuss how those conditions affect a flight



Aviation English (1/3)

- Goals
 - To acquire and improve specialized aviation English terminology;
 - To improve speaking and listening skills in real-time scenarios;
 - To increase awareness of the correct use of standardized radio communication phraseology;
 - To develop strategies to confirm, clarify and repair communication breakdowns.



Aviation English (2/3)

2. Aerodrome Management

1. Pilot Jargon – Acronyms
and Abbreviations

3. Ground Movements

4. Standard Radio
procedures

(7) Assessment

Main Topics

5. Meteorology for Pilots

6. Air Law



Aviation English (3/3)

- Assessment of learning outcomes



Final exam



Unit Progress Tests (vocabulary acquisition tests);
Speaking and Listening Proficiency Tests;



Group Project: 5-minute briefings (half-group), followed by 5-minute debriefings (half-group)

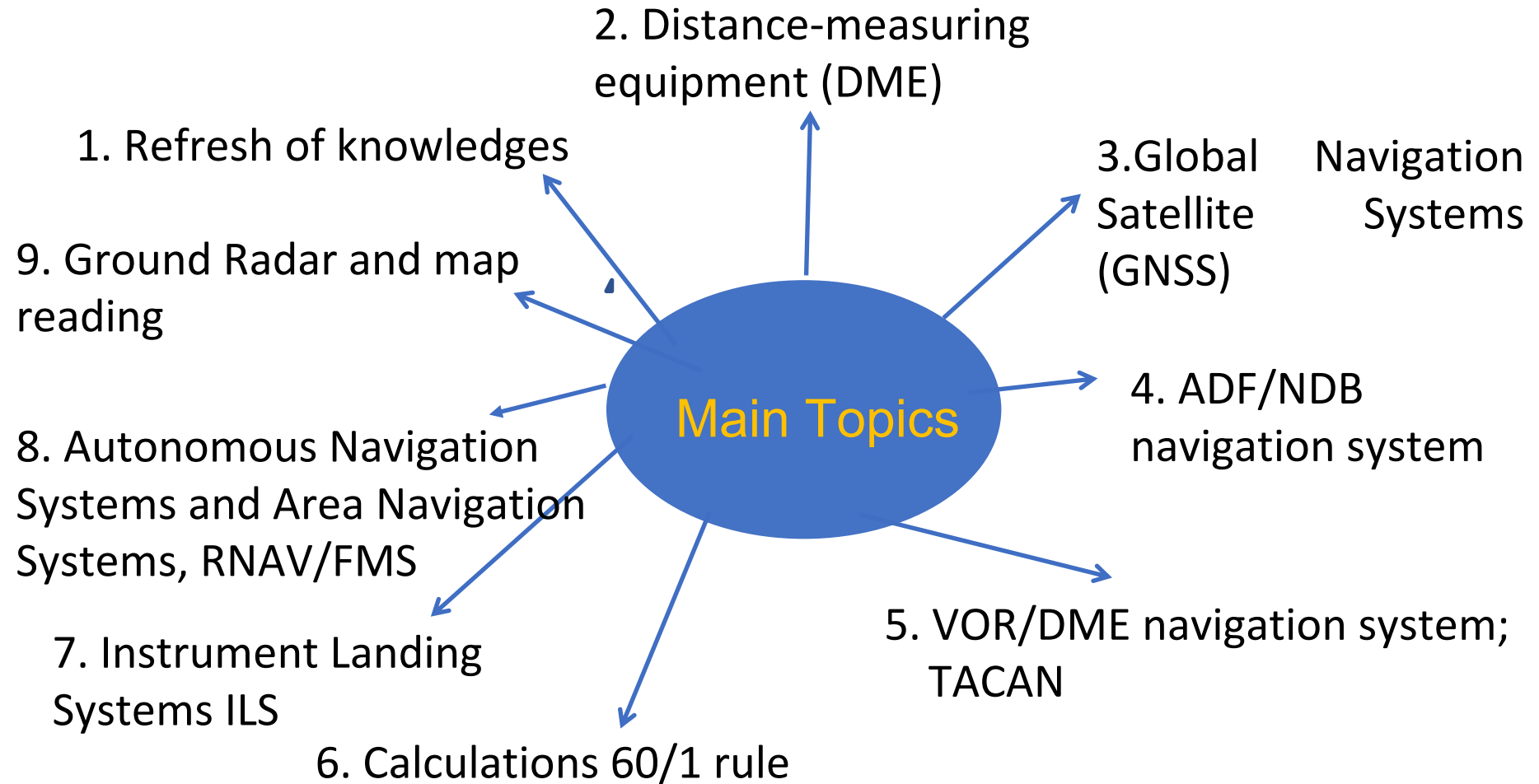


Aerial Navigation (1/3)

- Goals
 - - To give basic knowledge to students about navigation systems and radars.
 - - To develop skills for calculations relating to radio navigation.
 - - To build competences for analyzing and assessing of navigation information.



Aerial Navigation (2/3)





Aerial Navigation (3/3)

- Assessment of learning outcomes



Final exam



Individual assignment to test their understanding of basic navigation calculations and map reading techniques



Case studies will be discussed in the context of the module regarding map reading and calculation

1st Multiplier Event

22 June 2021



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