

**International Air Force Semester**

Doc.:

Date: April 10, 2024

Origin: HAFA

Country	Institution	Module Description	ECTS
GR	Hellenic Air Force Academy	Space Applications for Security and Defence	2.0 (+ 1.0 e-learning)

Service	Minimum Qualification for Lecturers		
AF	<ul style="list-style-type: none"> • Officers: <ul style="list-style-type: none"> ○ English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 3. ○ Thorough knowledge in space issues ○ Thorough knowledge of Common Security and Defence Policy • Civilian Lecturers: <ul style="list-style-type: none"> ○ English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 3. ○ Thorough knowledge in space issues ○ Thorough knowledge of Common Security and Defence Policy 		
Language			
English			
SQF MILOF	<ul style="list-style-type: none"> • Competence area – International Security/Diplomacy Actor • Learning area – International organisations • Organisation level – Single Arm/Branch 		

Prerequisites for international participants:		Goals of the Module
<ul style="list-style-type: none"> • English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2. 		<ul style="list-style-type: none"> • Describe the basic concepts associated with space issues. • Introduce students to the main functions of space systems. • Present the space programs needed in EU capabilities to carry out crisis management operations. • Provide the CSDP space needs and the shortfalls from lessons learned in relevant missions and operations

Learning outcomes	Know-ledge	<ul style="list-style-type: none"> • Perform a review of the basic concepts related to Space activities. • Describe the role of space assets in security and defence.
	Skills	<ul style="list-style-type: none"> • Can demonstrate an informed view on space issues. • Is capable of analysing central ideas regarding the use of space systems in the CSDP domain.
	Responsibility & Autonomy	<ul style="list-style-type: none"> • Use space-based command, control, information, and communication technologies. • Justify the selection of the space systems needed to support CSDP missions and operations.

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Test			• Written test delivered at the end of the module.	
Module Details				
Main Topic	Residential	E-learning	Details	
Topic 1	4	4	<ul style="list-style-type: none">Historical depth and theoretical backgroundThe dawn of the Space Era	<ul style="list-style-type: none">"European Space Policy: ESDP and Space" COUNCIL OF THE EUROPEAN UNION, Brussels, 16 November 2004, 11616/3/04, REV 3.
Topic 2	4	4	<ul style="list-style-type: none">Space SystemsOrbits	<ul style="list-style-type: none">European Space Policy, COM (2007) Brussels, 26.4.2007, 212.
Topic 3	5	4	<ul style="list-style-type: none">Types of Satellites and Main Applications for Security and Defence	<ul style="list-style-type: none">EU Space Strategy for Security and Defence, Brussels, 10.3.2023 JOIN (2023) 9 FINAL.
Topic 4	5		<ul style="list-style-type: none">Military Programmes of the Leading Space-faring Nations	
Topic 5	5		<ul style="list-style-type: none">Strategic, Tactical and Political Dimensions of Outer Space	
Topic 6	5		<ul style="list-style-type: none">European Union's CSDP and Space	
Topic 7	5		<ul style="list-style-type: none">Security in Space	
Topic 8	4		<ul style="list-style-type: none">Main Trends in Space	
Test	3		<ul style="list-style-type: none">Module examination	
Self-Study Hours				
Topic	10	13	<ul style="list-style-type: none">For all the above-mentioned topics Cadets have to prepare themselves for the next day.	
Total WH	50 2 ECTS	25 1 ECTS		



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List of Abbreviations:

CEFR	Common European Framework of Reference for Languages
ECTS	European Credit Transfer and Accumulation System
STANAG	Standardization Agreement
WH	Working Hour
CSDP	Common Security and Defence Policy
EU	European Union