

Country GR	Institution Hellenic Air Force Academy	Common Module Space Applications for Security and Defence	ECTS 2.0
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Service ALL	Minimum Qualification for Lecturers
Language English	

- PhD in space issues.
- English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 3.

<p style="text-align: center;">Prerequisites for international participants:</p> <ul style="list-style-type: none"> • English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2. • Basic knowledge of Common Security and Defence Policy. • At least 2 years of national military education. 	<p style="text-align: center;">Goal of the Module</p> <ul style="list-style-type: none"> • Introduce students to the general EU space CSDP framework and its governance. • Present the space programmes, application and services supporting the CSDP missions and operations. • Provide the CSDP needs in security and defence, and the relevant shortfalls from lessons learnt in CSDP missions and operations.
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Learning outcomes	Know-ledge	<ul style="list-style-type: none"> • Knows the basic concepts related to Space activities. • Describe the role of space assets in security and defence.
	Skills	<ul style="list-style-type: none"> • Is capable of analysing central ideas regarding the use of space systems in the CSDP domain.
	Compe- tences	<ul style="list-style-type: none"> • Justify the selection of the space systems needed to support CSDP missions and operations.

Verification of learning outcomes
Test: Written assignment consisting of 1500 words delivered at the end of the module.

Module Details		
Main Topic	Recommended WH	Details
Self-studies: Preparation	10	<ul style="list-style-type: none"> • Background material: <ol style="list-style-type: none"> 1. "European Space Policy: ESDP and Space" COUNCIL OF THE EUROPEAN UNION, Brussels, 16 November 2004, 11616/3/04, REV 3. 2. European Space Policy, COM (2007) Brussels, 26.4.2007, 212. 3. Space Strategy for Europe, Brussels, 26.10.2016 COM (2016) 705. 4. https://ec.europa.eu/growth/sectors/space/security_en. 5. https://www.globalsecurity.org/space/index.html (Topics: Space Systems, World Space Guide/Europe).
Lectures Method: Interactive lectures, group-based tutorials, case studies, and discussions	20	<ul style="list-style-type: none"> • Overview of representative classes of satellites, their orbits, and their military importance for Security and Defence. • Main space applications for Security and Defence. • European space policies and strategies and major space – faring actors (e.g.: ESA, EUMETSAT). • The origins of the EU CSDP and space. • Lessons learnt from space shortfalls identified in EU CSDP Missions and Operations are presented.
Writing	20	<ul style="list-style-type: none"> • Writing of individual paper.
Total WH	50	The detailed amount of hours for the respective topic is up to the course director according to national law or home institution's rules to achieve the learning outcomes.

List of Abbreviations:

- CEFR Common European Framework of Reference for Languages
- CSDP Common Security and Defence Policy
- ECTS European Credit Transfer and Accumulation System
- ESA European Space Agency
- ESDC European Security and Defence College
- EUMETSAT European Organisation for the Exploitation of Meteorological Satellites
- NATO North Atlantic Treaty Organisation
- STANAG Standardization Agreement
- WH Working Hour