

### Curriculum

To be reviewed by <i>February 2026</i>	Activity number 27	<b>The Challenges of Space for EU and CSDP</b>	<b>ECTS</b> <b>1</b>
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CORRELATION WITH CTG / MTG TRAs	EQUIVALENCES
Military Training Discipline 18: Military Role in Space support to Operations	N/A

<p style="text-align: center;"><u>Target Audience</u></p> <p><i>Participants should be mid-ranking to senior officials from EU Member States and EU institutions dealing with strategic and operational aspects of space activities. They should be either working in key positions or have a clear potential to achieve leadership positions in particular within space programs' conducting services at governance level. Academics and members of the business and private sector community from the EU Member States may also be invited to participate.</i></p>	<p style="text-align: center;"><u>Aim</u></p> <p>This course aims to raise awareness amongst civilian and military officials from EU institutions and relevant Agencies as well as from Member States, of the importance of space activities in the framework of CSDP, by enabling participants to deliver a broad overview of international space policies, highlighting the strategic importance of space from a security and defence perspective.</p> <p>The course provides an opportunity to create a network of people working in fields related to space activities. It also allows MSs, via their officials, to share national perspectives and strategic analyses on this topic. These exchanges help to reinforce common situational awareness on space threats across the EU.</p>
<p><u>Open to:</u></p> <ul style="list-style-type: none"> <li>▪ EU member States / Institutions</li> </ul>	

Learning Outcomes	
Knowledge	LO1 - list the extensive nature of space challenges and recognise its complexity and the different threats and risks LO2 understand the conceptual framework around European space activities and policies identify the contribution of the EU Space Programme and national space programmes on the <i>European Defence Technological and Industrial Base (EDTIB)</i> LO3 - identify the basic notions, policies and concepts related to space activities LO4 - recall the different trends in space programs, activities and political initiatives LO5 - identify the EU institutions and bodies involved in space activities and their respective roles and coordination LO6 - evaluate the potential impacts of the challenges of space for the EU and the CSDP
Skills	LO7 - apply the International and national legislation in the field of space LO8 - use and exploit EU's strategies, policies and concepts dealing with space issues LO9 - demonstrate the EU's capability in space for CSDP missions and operations
Responsibility and Autonomy	LO10 - assess how EU and its Member States are getting affected by space issues LO11 - propose an informed view on space issues and political orientation in this case LO12 - recommend a common approach and view on aims of the EU Space Strategy for Security and Defence

Evaluation and verification of learning outcomes

The course is evaluated according to the Kirkpatrick model: it makes use of *level 1 evaluation (based on participant's satisfaction with the course)*.

In order to complete the course, participants have to accomplish all learning objectives, which are evaluated based on the active contribution in the residential Module, including their syndicate session and practical activities as well as on their completion of the eLearning phases: course participants finalise the autonomous knowledge units (AKUs) and pass the tests (*mandatory*), scoring at least 80% in the incorporated out-test/quiz. Active observation by the course director/lead instructor and feedback questionnaire filled by course participants at the end of the course is used. **However, no formal verification of learning outcome is foreseen; proposed ECTS is based on participants' workload only.**

**Course Structure**

Main Topics	Suggested Working Hours (required for individual learning)	Suggested Contents
1. Space characteristics and challenges	4	1.1 Basic physical characteristics of Space; 1.2 General strategic layout of Space; 1.3 Different types of satellites and uses of space (telecommunications, weather monitoring, research etc.) 1.4 Challenges to security and defence of the EU and MSS: threats and risks to, in, and from space
2. Legal framework and law approach of Space	2	2.1 International structures and institutions dealing with space; 2.2 The space international treaties and resolutions (historic legal context and recent developments); 2.3 Today's outer space status and regulations around its usage.
3. Space and CSDP	9 (6)	3.1 The space aspects of the Strategic Compass and the European space strategy for security and Defense (including PESCO projects in space); 3.2 The EU space policies and main actors involved; 3.3 The Lisbon treaty (art 189 TFEU); 3.4 The EU defence council conclusions; 3.5 The EU Satellite Centre 3.6 The European Defence Agency 3.7 The Commission and EEAS space structures (e.g. DG DEFIS, EEAS SECDEFPOL.5-SPACE, EUMS. 3.8 The European Space Agency (ESA)
4. European Space programs	4	4.1 EU space programmes such as Copernicus, Space surveillance (SSA and SST), Satellite communications (GovSatCom, MilSatCom), Galileo programme, IRIS2.
5. National Space policies in EU	3	5.1 National space structures and policies. 5.2 National space commands
6. Addressing space operations and space services for security and defence	5	6.1 The role for the European space industry including case studies; 6.2 main cooperation in space defence industry 6.3 Space industry stakes for defence and security. 6.4 Space operations, including autonomous access to space 6.5 Space services
7. Further Space issues for CSDP: operational uses and cooperation with partners	3	7.1 CSDP-related case studies and/or group work 7.2 Border monitoring; 7.3 Maritime security; 7.4 International cooperation. 7.5 Cooperation with NATO 7.6 Cooperation with ESA
8. Field visit	4	7.7 Field visit to a site of interest (if possible).

TOTAL	34 (6)	
<p style="text-align: center;"><u>Materials</u></p> <p><b>Required:</b>  AKU 2 The EU Global Strategy  AKU 4 EU Crisis Management Structures and Chain of Command  AKU 7: The impact of the Lisbon Treaty on the CSDP  AKU 98 - Space, Defence and Security</p> <p>Recommended:  AKU 55 – Strategic Compass</p> <p><b>Recommended reading material:</b>  Joint Communication to the European Parliament and the Council – European Union Space Strategy for Security and Defence, 10 March 2023</p> <p>Council Conclusions EU SSSD_ST-14512-2023-INIT_en</p> <p>COUNCIL DECISION (CFSP) 2021/698 of 30 April 2021 on the security of systems and services deployed, operated and used under the Union Space Programme which may affect the security of the Union, and repealing Decision 2014/496/CFSP</p> <p>Strategic Compass (space section)</p> <p>EU Space Programme Regulation</p> <p>SatCen Council Decision</p> <p>CSDP Handbooks</p>		<p><u>Methodology</u></p> <p>The course is based on the following methodology: lectures, panels, group discussions and field visits to sites of interest (if possible)</p> <p><u>Additional Information</u></p> <p>All course participants have to prepare for the residential module by going through the relevant eLearning preparatory phase, which is mandatory.</p> <p>In order to facilitate the discussion between course participants and trainers, experts, guest speakers, the <b>Chatham House Rule</b> is enforced during the residential part of the course: "<i>participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed</i>".</p>