

Curriculum

To be reviewed by <i>February 2024</i>	Activity number 27	The Challenges of Space for EU and CSDP	ECTS 1
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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 community from the EU Member States may also be invited to participate.</i></p> <p><u>Open to:</u></p> <ul style="list-style-type: none"> ▪ EU member States / Institutions 	<p style="text-align: center;"><u>Aim</u></p> <p>This course is aimed to raise awareness 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.</p> <p>The course provides an opportunity to create a network of people working in fields related to space activities.</p>
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Learning Outcomes	
Knowledge	LO1 - list the extensive nature of space challenges and recognize its complexity and the different threats LO2 - define the contribution of European space programs 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 and political initiatives LO5 - identify the EU institutions involved in space activities and their respective roles LO6 - evaluate the potential impacts of the space issues on EU governance.
Skills	LO7 - apply the International and national legislation in the field of space LO8 - use 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 policy

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	3	1.1 basic physical characteristics of Space; 1.2 general strategic layout of Space; 1.3 defence and security space threats and risks at the EU and national level.
2. Legal framework and law approach of Space	2	2.1 international structures dealing with space; 2.2 the space international treaties and resolutions; 2.3 the EU Code of conduct for outer space activities; 2.4 outer space status and its usage.
3. Space and CSDP	11 (6)	3.1 the European space strategy and policy 3.2 the Lisbon treaty (art 189 TFEU); 3.3 the EU defence council conclusions; 3.4 EU's agencies, i.e. EU SatCen, ESA (Space 4.0); 3.5 the Commission and EEAS space structures (e.g. DG DEFIS, DG Grow, EEAS SECDEFPOL.5-SPACE, Task Force for Space).
4. European Space programs	5	4.1 European space programs, such as: Copernicus, Space surveillance (SSA and SST), Satellite communications (GovSatCom, MilSatCom), Galileo programme.
5. National Space policies in EU	3	5.1 National space structures and policies
6. Focus on EU Space-launch capability and need to guarantee an autonomous access to Space	5	6.1 autonomous access to Space; 6.2 the role for the European space industry. Case studies; 6.3 main cooperation in space defence industry and presentation of EDA activities in this field; 6.4 space industry stakes for defence and security.
7. Further Space issues for CSDP: operational uses	3	7.1 borders monitoring, maritime security 7.2 international cooperation
TOTAL	32 (6)	

<p style="text-align: center;"><u>Materials</u></p> <p>Required: 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: Relevant AKUs available on ILIAS, to be defined by the course director with support from ESDC Secretariat (eLearning manager) CSDP Handbooks Other publications on Space policy – CSDP/CFSP related issues – supplemental material aimed to enhance knowledge on a specific topic.</p>	<p><u>Methodology</u> The course is based on the following methodology: lectures and panels,</p> <p><u>Additional Information</u> All course participants have to prepare for the residential module by going through the relevant eLearning preparatory phase, which is mandatory. In order to facilitate the discussion between course participants and trainers, experts, guest speakers, the Chatham House Rule 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>
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