



# MILITARY TECHNICAL ACADEMY "FERDINAND I"



## IMINT/GEOINT ANALYSIS MODULE

4- 15 OCTOBER 2024







# IMINT/GEOINT ANALYSIS MODULE



## Goals of the module

- **Discover and understand basic principles of the IMINT/GEOINT Analysis and Exploitation;**
- **Learn about SAR Imagery basics, Imagery analysis techniques and reporting, Remote sensing fundamentals, UAV systems;**
- **Deepen knowledge of the practical applications using GEOINT concepts, technologies and products**



# IMINT/GEOINT ANALYSIS MODULE

## Prerequisites for participants

- **English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2.**
- **At least 1 year of national (military) higher education.**
- **Basic knowledge on technical systems for security and defence**
- **Security clearance: Unclassified information**





# IMINT/GEOINT ANALYSIS MODULE



## Learning outcomes

### Knowledge

- **Knows the basic concepts of GEOINT related to the military training in the security and defence field;**
- **Knowledge about GEOINT and the way it provides critical spatial information to a decision-making process that is absolutely necessary for meaningful actions and decisions;**
- **Methods based on the fusion or integration of multiple forms of data collected from satellite and airborne sensors, along with a wide variety of other digital geographic information;**



# IMINT/GEOINT ANALYSIS MODULE

## Learning outcomes Skills

- To provide the basic operational skills regarding Geospatial Intelligence (GEOINT) analysis and exploitation of EO and SAR HR Imagery;
- Offer examples of real applications and practical problems to underline how the topics treated in the course are used within IMINT/GEOINT analysis activity;





# IMINT/GEOINT ANALYSIS MODULE

## Learning outcomes

### Responsibility and autonomy

- Understands the basic concept of the IMINT/GEOINT analysis and exploitation for defence and security systems;
- Takes some responsibility for arguing the necessity of the IMINT/GEOINT reports in decision-making process of the military actions or peace keeping missions;
- Examines and correctly assesses the trends in development of the new technologies in the security and defence and their potential future application.



# IMINT/GEOINT ANALYSIS MODULE



MODULE DETAILS				
Main topic	Lectures (recom. WH)	Application (recom. WH)	Self-studies (Add. WH)	ECTS
Remote sensing fundamentals	4		40	4ECTS
Earth observation satellite systems	2			
Basic concepts of SAR Imagery	4	2		
Imagery Analysis (IA) techniques and reporting	6			
GEOINT – Concepts, technologies and products	4			
Imagery analyst mission	2			
UAV systems	4	2		
IA of STANAG 3596 Target Categories: airfields, SAM systems, storage and repair installations, port installations	16	8		
Scientific project		6		
<b>TOTAL</b>	<b>42</b>	<b>18</b>	<b>40</b>	<b>100 WH</b>





# IMINT/GEOINT ANALYSIS MODULE DETAILS



- **WHEN:** 4<sup>th</sup> – 15<sup>th</sup> of October 2024    1<sup>st</sup> week – on-line  
2<sup>nd</sup> week – residential format
- **WHERE:** Military Technical Academy „Ferdinand I”
- **WHO:** Cadets – no special requirements
- **MTA:** Free accomodation and meals
- **HOW:** <http://www.emilyo.eu>  
<http://www.mta.ro/international>
- **POC:** Cdor.Prof.Eng.PhD. Cristian-Emil MOLDOVEANU  
LTC.Asst.Prof.Eng.PhD Alin-Constantin SAVA  
[alin.sava@mta.ro](mailto:alin.sava@mta.ro)