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**New Technologies in the Context of National Security and
International Relations: NATO Building Integrity (BI)
Awareness Course as the Case Study**

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Abstract:

The purpose of the study is to familiarise the readers with the utility of the new technologies and solutions related to the security ecosystem. During the research conducted it was possible to collect important data on the anti-corruption matters, seen from the Ukrainian perspective and to formulate recommendations on the utility of the e-learning tools for sharing building integrity awareness. Need for the study is based on building integrity realm within Ukrainian security and defence environment and relates with the opportunities offered by the e-learning tools to reach the large number of persons on-line to take the e-learning courses. As the background of the research activities, it is needed to mention about the Decree of the President of Ukraine of June 20, 2023, No. 344/2023. Deputy Head of the National Agency for the Prevention of Corruption was appointed National Coordinator for Ukraine's Cooperation with NATO in the Field of Integrity Building. To ensure the implementation of its powers in shaping anti-corruption policy regarding integrity in the security and defence sector, the National Agency runs the Directorate for Shaping Integrity Policy in the Security and Defence Sector. Considering the fact that joining the North Atlantic Alliance is a priority task for Ukraine, and reforms aimed at building integrity include introducing modern management standards, ensuring independence from political interference, increasing employee professionalism, investing in education and training of personnel, the National Coordinator for Ukraine's Cooperation with NATO in the Field of Integrity Building informed the entities about the possibility of completing/passing an online course developed by experts of the NATO and translated into Ukrainian. He stated that this course was mandatory for NATO military and civilian personnel, as it provides general knowledge about integrity and good governance education in NATO member states. During the course, participants can familiarize themselves with basic knowledge about integrity and good governance education. After successfully completing the course, each participant can receive a personalized certificate at the end. This course has been accessible, from the beginning of June 2024, on the NATO DEEP ADL Portal, while the solution/approach which is the result of the collaborative efforts involving two institutions of the Defence and Security Cooperation Directorate of Operations Division: (1) Governance and Institutions, (2) Defence Education Enhancement Programme and the NATO Representation in Ukraine (NRU). Introduced methodology is mainly based on collecting data while using functionalities offered by the NATO DEEP ADL Portal - satisfaction survey consisted of eight questions. To date (01 September), more than 113,000 participants have completed this format, including members of the Armed Forces of Ukraine, the Ministry of Defence of Ukraine, the Ministry of Internal Affairs of Ukraine, the National Guard of Ukraine, the State Border Guard Service of Ukraine, the National Police of Ukraine, the State Emergency Service, the Security Service of Ukraine, and many other institutions. The National Agency of Corruption Prevention and the national coordinator for NATO BI policy implementation have significantly promoted the course among relevant institutions. Since participants completed the course, data had been collected within satisfactory survey and processed, accordingly. The practical implications are of utmost importance, allowing for introducing this approach in case of other elearning courses.

Key words: NATO, Building Integrity, Ukraine, security environment, e-learning, DEEP

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1. Introduction

To ensure an effective educational process in Ukraine and the South Caucasus, it is crucial to implement and develop robust management mechanisms, allocate resources wisely, continuously enhance intellectual resources, refine military educational programs, improve educational assets, and adopt modern learning and evaluation methods. Prioritizing the ongoing integration of scientific approaches in military educational program development is essential. This involves comprehensive processes such as analysis, planning, development, performance, and evaluation [Iskandarov, Gawliczek, pp. 35-44].

Achieving these objectives presents significant challenges for any single nation and requires practical support. NATO's Defence Education Enhancement Programme (DEEP) plays a pivotal role in this context. The NATO DEEP utilizes the Advanced Distributed Learning (ADL) Portal to facilitate the modernization of professional military education by offering a centralized platform for sharing and developing online courses. This portal acts as both a repository for existing courses and a collaborative space for course designers to share expertise [Iskandarov, Gawliczek, pp. 35-44]. By addressing the specific needs of partner nations through customized faculty and curriculum development, DEEP promotes standardized, technology-driven approaches to military education that enhance interoperability and institutional self-sufficiency. This strategy aligns with NATO's commitment to integrating innovative technologies to strengthen defence education and governance [Gawliczek, pp. 111-119].

DEEP has become an essential partner in supporting institutional reform and enhancing professional military education (PME) in the Ukraine and South Caucasus. Its approach combines curriculum development, faculty training, and e-learning tools to modernize military education according to international standards. Education serves as a transformative agent, with NATO leveraging it to support institutional reform in partner countries. The integration of modern e-learning tools through NATO DEEP's ADL Portal has significantly expanded outreach and facilitated the sharing of critical expertise. These tools foster innovative learning experiences for both students and instructors, promoting interoperability and professionalization within armed forces [Iskandarov, Simons, Gawliczek, pp. 7-34].

NATO's education and training programs have evolved from a narrow focus on interoperability to comprehensive frameworks that support the modernization and reform of defence education institutions. By collaborating with NATO, South Caucasus countries gain access to specialized courses, seminars, and expertise that strengthen their ability to align with NATO standards and contribute to joint operations. The South Caucasus nations continue to play a vital role in NATO operations and missions. By utilizing NATO DEEP and related initiatives, they can enhance their defence institutions, adopt best practices in education and governance, and make meaningful contributions to regional and global security efforts.

The NATO DEEP Programme is a cornerstone of Ukraine-NATO collaboration. For over 12 years, it has supported nearly all educational institutions within Ukraine's security and defence sectors [Birchenko, pp. 11-15]. DEEP's mission is to drive institutional reform by modernizing military education through a three-pronged approach:

1. Curriculum Development: This includes revising existing curricula and designing new courses on logistics and defence planning, facilitated by NATO instructors.
2. Faculty Development: DEEP exposes Ukrainian instructors to modern teaching techniques, from lesson planning to student assessment, ensuring the highest standards.

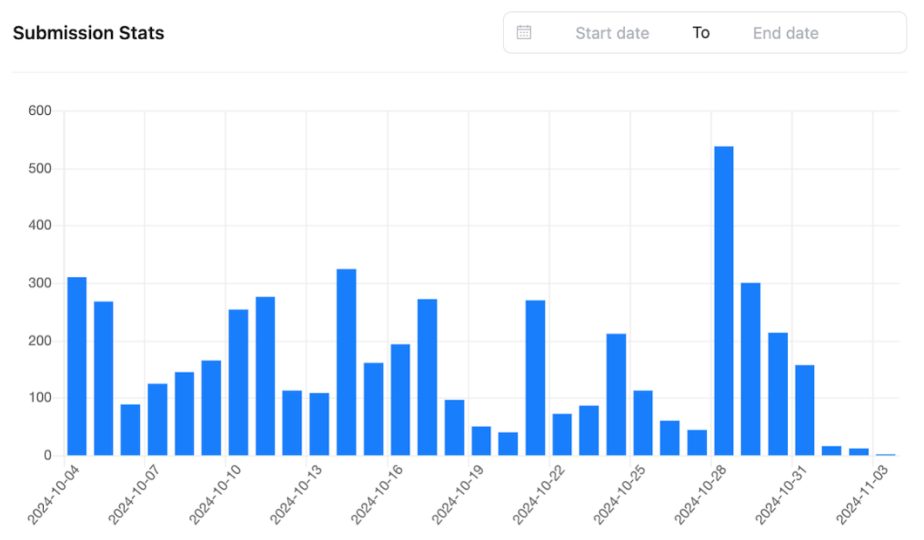
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3. Institutional Reforms: Advising military academies on structural and financial management aligns their practices with NATO standards and the Bologna Process.

2. NATO Building Integrity (BI) Awareness Course

Since its inception, DEEP has trained over 15,000 Ukrainian instructors and students in NATO methodologies [Birchenko, pp. 11-15]. Online learning initiatives have further expanded the program's reach, particularly during the COVID-19 pandemic and ongoing conflicts. A significant milestone was achieved in June 2023 with the Decree of the President of Ukraine (No. 344/2023), appointing a Deputy Head of the National Agency for the Prevention of Corruption as the National Coordinator for Ukraine's cooperation with NATO on integrity building. The course, which is part of the NATO BI Awareness curriculum, was made mandatory for NATO personnel and accessible to Ukrainian participants, thereby enhancing the institutional capacity in areas such as independence from political influence, professionalism, and anti-corruption. The NATO's Building Integrity (BI) program provides a suite of educational tools, including the NATO Building Integrity Awareness Course. The course, jointly developed within DEEP, was introduced on the NATO DEEP ADL portal, an essential platform for distance learning and knowledge exchange. The translation of the course into Ukrainian allowed for broad participation across various defence and security institutions, with approximately 125 519 Ukrainian participants completing the course by 2nd November 2024. The National Agency of Corruption Prevention, Ukraine's national coordinator for NATO BI policy, has actively promoted the course, contributing significantly to its success and widespread adoption.

3. The Course Submission Statistics¹



The data for this study were collected through satisfaction surveys administered via the NATO DEEP ADL portal. The survey, comprising eight questions, gathered insights on the effectiveness of the course and participant satisfaction. The participant base spans

¹ All statistical data referenced in this document originate from the Building Integrity e-learning course, accessible via the NATO DEEP ADL Portal (deepportal).

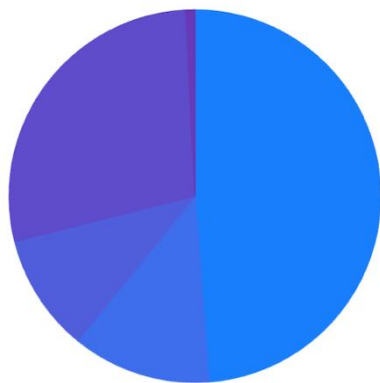
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numerous Ukrainian defense and security entities, including the Armed Forces of Ukraine, Ministry of Defence, Ministry of Internal Affairs, National Guard, State Border Guard Service, National Police, State Emergency Service, Security Service of Ukraine, and other institutions.

4. Satisfaction Survey – dedicated questions and answers

Question. 1 - How satisfied are you with the information you received during this course? The answers ranged from 'very satisfied' to 'dissatisfied'

Питання 1 – Наскільки ви задоволені тією інформацією, яку отримала завдяки даному курсу?

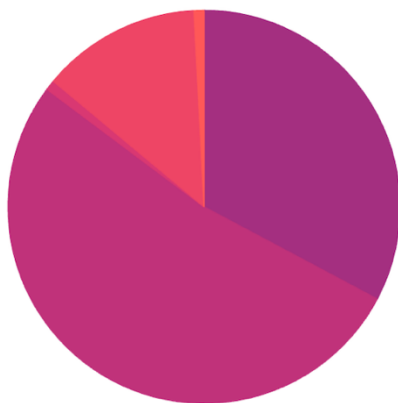


Задовлений(а) Дуже незадоволен(а)
Нейтрально Дуже задоволений(а)
Незадоволений(а)

Label	Total	%
Задовлений(а)	26900	48
Дуже задоволений(а)	15502	28
Дуже незадоволений(а)	6645	12
Нейтрально	5641	10
Незадоволений(а)	441	0

Question 2 - How would you rate the clarity and structure of the course content? The answers ranged from 'Good' to 'very bad'

Питання 2 – Як би ви оцінили чіткість та структуру змісту курсу?



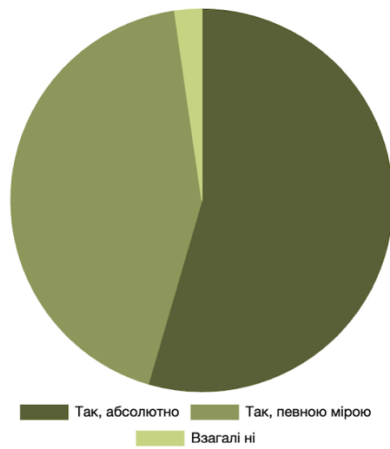
Чудово Добре Погано
Середньо Дуже погано

Label	Total	%
Добре	28909	52
Чудово	18065	32
Середньо	7241	13
Погано	461	0
Дуже погано	453	0

Question 3 - Did the course meet your expectations? The answers ranged from 'Yes, absolutely' to 'Not at all'

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Питання 3 – Чи даний курс зміг задовільнити ваші очікування щодо нього?

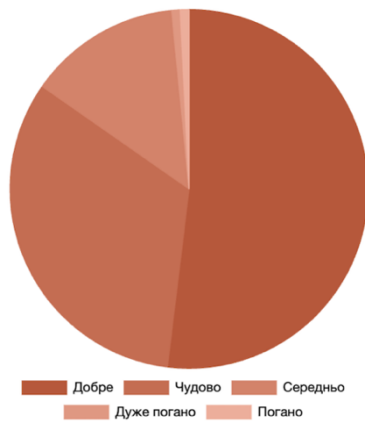


Label	Total	%
Так, абсолютно	30058	54
Так, певною мірою	23811	43
Взагалі ні	1260	2

Question 4 - How would you rate the accessibility and usability of the NATO DEEP ADL Portal?

The answers ranged from 'Good' to 'Not good at all'

Питання 4 – Як би ви оцінили доступність та зручність використання освітнього порталу NATO DEEP ADL Portal?



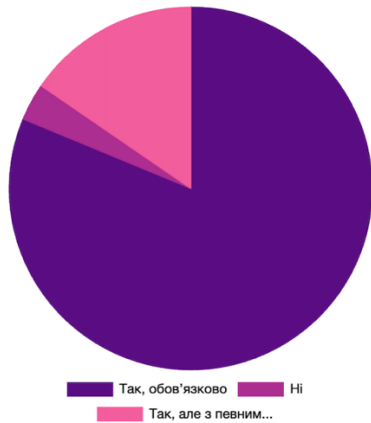
Label	Total	%
Добре	28632	51
Чудово	18054	32
Середньо	7588	13
Погано	439	0
Дуже погано	416	0

Question 7 - Would you recommend this online course and the NATO DEEP ADL Portal to others?

The answers ranged from 'Yes, of course' to 'Not at all'

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Питання 7 – Чи порекомендували б цей онлайн курс та освітній портал NATO DEEP ADL Portal іншим?



Label	Total	%
Так, обов'язково	44795	81
Так, але з певними застереженнями	8501	15
Ні	1833	3

The survey data indicate that the course was well-received among participants, providing essential knowledge on integrity and governance in line with NATO standards. The satisfaction survey reveals strong engagement from defense institutions, underscoring the demand for scalable e-learning solutions to enhance integrity across sectors. Additionally, the success of this model highlights the potential for replicating similar initiatives within other educational programs facilitated by NATO DEEP.

The NATO Building Integrity Awareness Course is designed to be easily accessible to participants, ensuring that personnel from various institutions can join without difficulty. Upon successful completion, participants receive a personalized certificate. This structured approach ensures that each step of the process is straightforward, making the course accessible even for those with limited experience in online learning platforms.

5. Step by step view of course participant

1. Survey regarding the organisation/unit and status.

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NATO BI Awareness Course in Ukrainian

- What is your Ukrainian Organisation/Unit? – Який орган ви представляєте? *
- Ministry of Defence – Міністерство оборони України
 - Building Integrity Training and Education Center – Науковий центр проблем виховання доброчесності та запобігання корупції
 - Ministry of Internal Affairs – Міністерство внутрішніх справ України
 - National Police – Національна поліція
 - National Guard of Ukraine – Національна гвардія України
 - State Border Guard Service – Державна прикордонна служба
 - State Emergency Service – Державна служба з надзвичайних ситуацій
 - National Agency of Corruption Prevention – Національне агентство з питань запобігання корупції
 - Ukrainian Defence Industry (UKROBORONROM) – Акціонерне товариство «Українська оборонна промисловість»
 - Security Service of Ukraine – Служба безпеки України
 - National Academy of Security Service – Національна академія служби безпеки України
 - Educational establishments under MOI – Навчальні заклади системи МВС
 - Other (please specify) – Інше (прошу вказати)

Other (please specify) – Інше (прошу вказати)

What is your status? – Який ваш статус? *

- Military – Військовий
- Civilian staff – Цивільний
- Temporary Staff – Тимчасовий персонал
- Intern – Інтерн
- Contractor – Контракт

SUBMIT – ВІДПРАВИТИ

2. Link to the ILIAS Page to access the course

NATO BI Awareness Course in Ukrainian

Курс з ознайомлення з ВІ НАТО українською мовою

Thank you for participating in the survey!

Here is a link to the NATO BI Awareness Course in Ukrainian. Please note that the training does not save participant progress and is expected to take approximately **60 minutes** to complete. Please allocate the appropriate amount of time for this course.

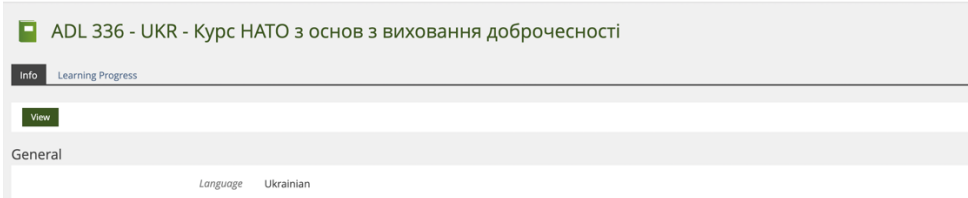
https://depportal.hq.nato.int/iliass/goto.php?target=sahs_28531&client_id=DEEP

Дякуємо за участь в опитуванні!

Ось посилання на ознайомчий курс НАТО з розвідки українською мовою. Будь ласка, зверніть увагу, що тренінг не зберігає прогрес учасника і, як очікується, займе приблизно **60 хвилин**. Будь ласка, виділіть відповідну кількість часу для цього курсу.

https://depportal.hq.nato.int/iliass/goto.php?target=sahs_28531&client_id=DEEP

3. Course access through ILIAS



ADL 336 - UKR - Курс НАТО з основ з виховання доброчесності

Info Learning Progress

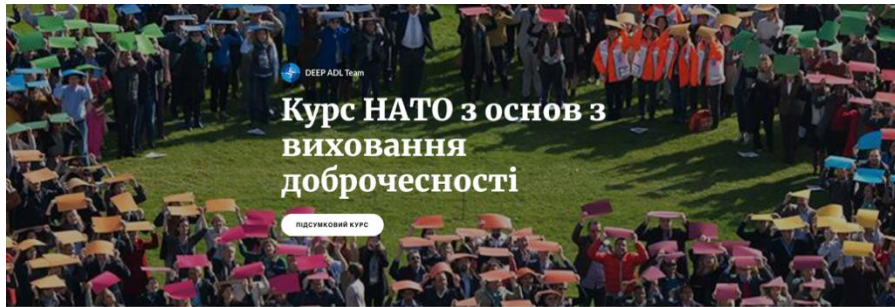
View

General

Language Ukrainian

4. Course main page.


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DEEP ADL Team

Курс НАТО з основ з виховання доброчесності

Підсумковий курс




МЕТА:
Проінформувати цільову аудиторію щодо корупційних ризиків та їхніх наслідків на успішність проведення місії і надати вичерпну інформацію стосовно корупції і концепцій та інструментів з виховання доброчесності для зміцнення професіоналізму та ефективності діяльності Структур НАТО та відповідних національних інституцій.

ЦІЛЬОВА АУДИТОРІЯ:
Військовий та цивільний персонал на стратегічному та операційному рівнях Структур командування НАТО та Силівих структур НАТО, у тому числі тактичний рівень штаб-квартири. Штаб-квартира НАТО, Агенції, цивільний та військовий персонал, члени Альянсу та країни-партнери.

Після завершення курсу ви будете проінформовані про:

- Наслідки корупції на сферу безпеки
- Необхідність порушувати цю тему під час усіх планувань та операцій НАТО
- Важливість озучення елементів з виховання доброчесності на усіх етапах планування та реалізації

5. After successful completion the certificate of completion is being generated.



DEEP Programme DEEP eAcademy DEEP Portals Newsletter

Generate the Certificate of Completion – Згенеруйте сертифікат про завершення


You successfully completed the NATO BI Awareness Course in Ukrainian! Below, you can find the form to create your certificate. – Ви успішно завершили курс НАТО з розвідувальної діяльності українською мовою! Нижче ви можете знайти форму для створення вашого сертифікату.

Name on the certificate – Ім'я в сертифікаті **(Required)**

Please enter the name that will be displayed on the certificate – Будь ласка, введіть ім'я, яке буде відображено на сертифікаті

0 of 35 max characters

[Submit](#)



DEEP Programme DEEP eAcademy DEEP Portals Newsletter

You can find your certificate below!

Ви можете знайти свій сертифікат нижче!

[Download certificate here – Завантажити сертифікат тут](#)

© 2024 DEEP Portal [Log in to ILIAS](#) [Log in to BBB](#)

6. Exemplary Certificate of completion

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NATO DEEP eAcademy

CERTIFICATE OF COMPLETION

This is to certify, that

John Doe

has successfully completed the

NATO BI Awareness Course in Ukrainian

NATO DEEP eAcademy Director

NATO DEEP Coordinator

Piotr GAWLICZEK

Mariusz SOLIS

6. Conclusions

The collaborative efforts between NATO DEEP, the NATO BI program, and Ukrainian institutions mark a significant stride toward enhancing integrity and transparency in Ukraine's defence sector. Through e-learning, the program has achieved substantial outreach and engagement, paving the way for further educational reforms aligned with NATO's standards. NATO's ongoing commitment to supporting Ukraine's institutional modernization through DEEP and other projects ensures a resilient and adaptable military education system that meets contemporary challenges. This model demonstrates the impact of coordinated efforts in achieving educational and governance reform and may serve as a framework for future integrity-building initiatives across partner nations. As part of its commitment to fostering international cooperation, NATO is translating this course into Arabic for deployment within Iraq's e-learning portal under the DEEP program. This extension signifies another step forward in promoting governance reforms aligned with international standards. In conclusion, the integration of NATO BI course within DEEP program has proven to be a functional and impactful solution. By combining innovative educational methods, institutional collaboration, and localized content, NATO has established a robust framework for enhancing governance and integrity. This model offers a replicable blueprint for other nations seeking to strengthen their defence and security sectors, contributing to global stability and cooperation.

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