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| C:\Users\Емил Йорданов\Downloads\logo.png | NIKOLA VAPTSAROV NAVAL ACADEMY | Erasmus+ BIP – Summer 2024 |



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| **Name of the BIP:** Fundamentals in Cybersecurity Summer Camp | |
| **Organizer:** Nikola Vaptsarov Naval Academy | **ECTS credits for participating students:**  3 |
| **Online period:**  01-05 July 2024 | **Onsite period:** 08-12 July 2024 |
| **Academic coordinator:**  CAPT (N) Assoc. Prof. PhD Nikolay Velikov  Assistant Prof. Georgi Markov | **Administrative coordinator:**  erasmus@nvna.eu |
| **Academic requirements:**  2nd and 3rd year of study with basic knowledge in Information Technologies | **Language requirement for students:** English B2 |
| **Nominations and number of students accepted:**  Up to 15. For nominating, please send your students information to erasmus@nvna.eu before April 15th 2024. | |
| **Content of the onsite program:** The course will cover the concepts of cybersecurity, Linux foundations, basics of computer networks and fundamentals of PowerShell.  A one-day cultural program is planned. | |

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| Module details | | |
| Online period – 01÷05 July 2024 | | |
| Main Topic | Recommended WH | Details |
| Cybersecurity Foundations | 2 | * Terminology * History * Cybersecurity Teams |
| Linux Foundations | 10 | * CLI * File Editing * Management * Permission & Ownership * User Management * Software Management * Log Management * System Info Gathering * SSH Basics * Basic Shell Scripting |
| Networking Basics | 6 | * OSI Networking Model * Routing * NAT Concepts * PCAP Forensics * IDS/IPS Overview |
| PowerShell Fundamentals | 4 | * Modules * Commands * Objects and Data Piping * Filtering and Formatting * Remoting |
| Log Management | 4 | * Windows Event Logs * Linux Syslog * Event Analysis Basics - Wazuh |
| Basic Cybersecurity Concepts | 8 | * Blue Team Functions and Tasks * Red Team Functions and Tasks * Email Based Threats * SIEM and SOAR * SOC * Password Cracking Countermeasures * Privilege Escalation * Lateral Movement * Ransomware * Data Breaches * Governance, Risk, and Compliance * Physical Security Considerations |
| Endpoint Security | 6 | * Endpoint Protection, Detection and Response * Server Protection * Microsoft Defender Antivirus |
| On-site period – 08÷12 July 2024 | | |
| Practice Tasks – CTF Challenges | 30 | * Linux * Networking * PowerShell * Wireshark * Splunk * Elastic * Ransomware |
| Total WH | **70** |  |