MINI - COURSES

Title	Code	Summary
RF and Laser Safety Awareness Course	MC001	This course provides students with awareness of the potential hazards and safety management of radio frequency (RF) fields and lasers.
Add-On Simulation Workshop	MC002	This workshop provides graduates of our EW, USW, Space and MAROPS courses a simulation using *Command: PE* battlespace simulation software.
Chemical Biological Radiological Nuclear (CBRN) Principles	MC003	This course introduces participants to the core principles of CBRN defence, focusing on the identification, assessment, and response to chemical, biological, radiological, and nuclear threats.
Communication Fundamentals	MC004	This course provides an introduction to military communications systems, focusing on communication systems fundamentals, analog and digital signals, modulation types, multiplexing and associated Electronic Warfare effects in tactical and strategic environments.
Critical Underwater Infrastructure (CUI)	MC005	This course provides a comprehensive introduction to the strategic importance, vulnerabilities, and protection of critical underwater infrastructure (CUI), including subsea cables, pipelines, offshore energy platforms, and underwater data centres.
Counter Uncrewed Aerial Systems (CUAS) Operations	MC006	This course provides a practical understanding of Counter-Uncrewed Aircraft Systems (C-UAS), focusing on the detection, identification, and neutralisation of unauthorised or hostile drones.
Radio Frequency Countermeasures (RFCM)	MC007	This course provides a foundational and operational understanding of radio frequency (RF) countermeasures used to detect, disrupt, and neutralise adversarial use of the electromagnetic spectrum.
Weapon Systems and Aircraft	MC008	This course offers a foundational understanding of modern weapons systems and aircraft, focusing on their design, capabilities, and operational integration
Human Factors (HF)	MC009	This course introduces the principles of human factors and ergonomics, focusing on how human capabilities and limitations influence the design and operation of systems, environments, and technologies.
Open-Source Intelligence (OSINT)	MC010	This course introduces open-source intelligence principles, investigative preparation, and advanced collection methodologies, including the OSINT lifecycle and how to process, exploit, and disseminate actionable intelligence using real-world frameworks and tools.
Treating Disinformation	MC011	This course provides and introduction to the core concepts, tools, and emotional tactics behind disinformation campaigns, including building, planning, and assessing counter-disinformation strategies to protect information integrity
Operational Security (OPSEC)	MC012	This course provides an introduction to the principles of Operational Security (OPSEC) and how to protect critical information from adversaries, including the OPSEC cycle, identifying vulnerabilities, and applying effective countermeasures to mitigate adversary exploitation
Space Domain Awareness (SDA)	MC013	This course provides a comprehensive introduction to the principles and practices of monitoring, understanding, and managing activities in the space environment, including the evolution of SDA, its critical role in supporting defence operations, and the challenges posed by the increasingly congested and contested nature of space.
Contested Space	MC014	This course explores the evolving challenges and threats in the space domain, emphasizing its significance for modern military operations and critical infrastructure, including defining contested space, learning to identify natural and man-made threats to satellites and ground systems, and understanding the principles of space control, electronic attack, and electronic protection.
Space-based Intelligence, Surveillance & Reconnaissance (ISR)	MC015	This course provides a comprehensive overview of the principles, technologies, and operational applications of space-based intelligence, surveillance, and reconnaissance (ISR) systems, including Electro Optic sensors in the ultraviolet, visible, infrared bands, radar, and signals intelligence (SIGINT), and how their unique capabilities support defence operations, environmental monitoring, and global security.
Space Cyber	MC016	This course introduces participants to the essential concepts and challenges of cybersecurity in the space domain, including hacking, jamming, malware, and social engineering, highlighting the evolving risk landscape for both military and civilian space operations.
Satellite Communications (SATCOM)	MC017	This course provides a comprehensive overview of military and allied satellite communications systems, focusing on their principles, operational use, and evolving technologies, including structure and function of SATCOM, the use of electromagnetic spectrum and advantages of various orbits and waveform technologies.
Position, Navigation, and Timing (PNT) and Global Navigation Satellite Systems (GNSS)	MC018	This course provides a comprehensive introduction to the principles and applications of PNT systems and GNSS, with a focus on military and civilian contexts. Participants gain foundational knowledge of how PNT underpins modern navigation and timing, supporting critical operations across air, land, and maritime domains.