

INZPIRE TRAINING ACADEMY

Fundamentals of Air Electronic Warfare (EW)

Based on customer feedback, our experts are delighted to offer a week-long training course for individuals looking to increase their knowledge on the subject of EW.

Delivered by highly experienced ex-military experts, the course provides students with an understanding of the electromagnetic environment and its application via EW and electromagnetic warfare within military operations. The course will cover the fundamentals of EW with an emphasis on air power.

DATES: 13 – 17 May 2024

PRICE: £999 per person (inc VAT)

THE BENEFITS OF THIS COURSE

This course teaches essential elements of electromagnetic physics, EW doctrinal terms, operational utility and tactical EW, Battlespace Spectrum Management and the synchronisation of physical kinetic effects with EW and cyber operations.

Attendees will learn about complex radar techniques and their application in integrated air defence systems and remote sensing within Intelligence, Surveillance and Reconnaissance. The course will present the counter to military radars via electronic attack, and the enduring electronic counter-measure challenge against radar and infrared threats. Electronic protection measure techniques and battlefield awareness via electronic surveillance will also be covered.

The course is designed around multiple media types, encourages attendee participation and attempts to demonstrate operational techniques via demonstration with simple visual aids and models. Learning is supported via live access to Inzpire's virtual learning environment.

COURSE LESSONS

- 01** Introduction to the Electromagnetic Environment (EME)
- 02** Electronic / Electromagnetic Warfare Terms and Doctrine Including Military Electromagnetic Spectrum Operations
- 03** Decibels - the 'Maths' of EW
- 04** Physics of EW
- 05** Radar System Techniques and Operation
- 06** Radar Weapons
- 07** Infra-Red Weapon Technology
- 08** Integrated Air Defence Systems and Engagement Cycles
- 09** Electronic Attack
- 10** Electronic Surveillance
- 11** Electronic Defence
- 12** Cyber and Electromagnetic Activities
- 13** Navigation Warfare
- 14** Intelligence, Surveillance and Reconnaissance within the EME

WHO SHOULD STUDY ON THIS COURSE

Military and civilian personnel with a role in the design, development, acquisition or operation of EW capabilities would be well-suited to this course. It is also suitable for those with an active interest in the topic, such as those working in journalism and academia. Technical study will take place at GCSE/O-Level mathematics standard.

Additionally, corporate sales, marketing or business development personnel responsible for EW or Electromagnetic Spectrum Operations functions but without a military background in the topic are likely to benefit from the experience.

COURSE LOCATION

The course will be hosted at Lincoln College (Lincoln Business College, Lincoln College, Monks Road, Lincoln, LN2 5HQ).

The college provides easy access to the railway station, car parks, restaurants, supermarkets, shops, hotels and attractions within Lincoln city centre.

Students will be responsible for their own travel and accommodation. Tea / coffee will be provided during the morning and afternoon breaks.

BOOKING AND ENQUIRIES

Please note the final date for booking on to this course is 26 April 2024.

Please contact ewcourse@inzpire.com for booking details or if you have any further questions.