

Fundamentals of AIR ELECTROMAGNETIC WARFARE TRAINING

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 within military operations. The course will cover the fundamentals of EW with an emphasis on air power.

THE BENEFITS OF THIS COURSE

This course teaches:

- Essential elements of electromagnetic physics
- EW doctrinal terms
- Operational utility and tactical EW
- Battlespace Spectrum Management
- 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 to encourage attendee participation using multiple media types. Operational techniques are demonstrated via simple visual aids and interactive models. Learning is supported by live access to Inzpire's virtual learning environment.



ewcourse@inzpire.com

www.inzpire.com



DATES: 11 - 15 Nov 2024

PRICE: £999 per person (inc VAT)

INZPIRE TRAINING ACADEMY

WHO SHOULD STUDY ON THIS COURSE

- Military and civilian personnel with a role in the design, development, acquisition or operation of EW capabilities.
- Those with an active interest in the topic, such as those working in journalism and academia.
- Corporate sales, marketing or business development personnel responsible for EW or Electromagnetic Spectrum Operations functions, but without a military background in the topic.

Please note, technical study will take place at GCSE / O-Level mathematics standard.

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.

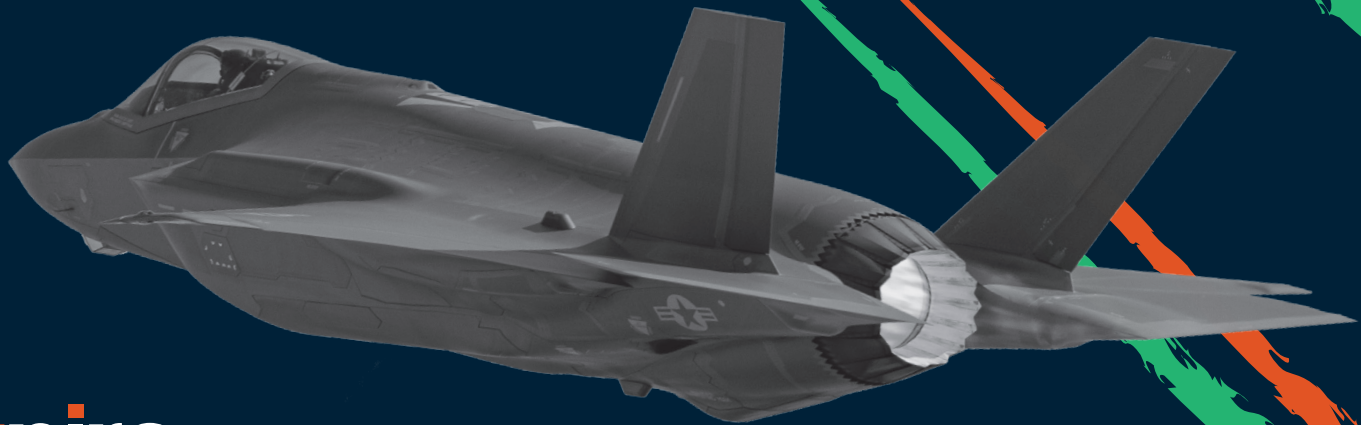
BOOKING AND ENQUIRIES

Please note the final date for booking on to this course is **1 November 2024**.

Please contact ewcourse@inzpire.com.

COURSE LESSONS

- 01 Introduction to the Electromagnetic Environment (EME)
- 02 EW 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



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