

Understanding Electromagnetics

2 Day Course

Why attend?

Electromagnetics (EM) is the underpinning physics that defines all electronic engineering. It is traditionally thought of as difficult and the mathematical approach traditionally taken can be off-putting. For these reasons it is given less attention in many modern undergraduate degree courses.

This course is designed to take the mystery out of the subject by presenting it in an applications oriented manner, with explanations through word, pictures and through experiments supported by the maths where necessary.

Who should attend?

Engineers needing to have a basic understanding of the electromagnetic phenomena encountered in their workplace.

Your programme includes:

The course comprises a basic introduction to electromagnetics, which can inform other studies on topics such as antennas, propagation, EMC and related topics. It also serves as an introduction to studies of electromagnetic numerical modelling and covers the following subjects:

- Electric and magnetic fields and their sources
- Faraday's Law and time varying fields
- Electromagnetics and Maxwell's equations
- Electromagnetic waves in free space and other media
- Electromagnetic wave polarisation
- Aperture antennas
- Wave reflection and transmission at boundaries

Available: On Request

Would you prefer an in-house or bespoke course?

Here at Eurofins York we can deliver most of our courses on-site and even tailor courses to your own personal requirements.



Key Benefits

12
CPD HOURS

- Understanding of EM fields and sources
- Simple explanations of complex subject
- Baseline knowledge for working use of EM

