

## **FOCE: Fundamentals of Corrosion for Engineers.**

**Provided by The Institute of Corrosion (ICorr).**

### **What is the course format?**

An intensive, one week, classroom based course with an examination on the final day.

### **What will I learn from the course?**

You will gain a general knowledge of the underlying processes which result in many common types of corrosion.

Understanding of the corrosion mechanisms and local conditions related to common metals including: steel, stainless steel, copper, aluminium and zinc.

Insight into the principles of corrosion processes and causes which are specific to a range of common industries including: concrete, coatings, water, cathodic protection, etc.

The role of the corrosion engineer; failure investigation; testing and design issues.

### **How will the FOCE course benefit my career in corrosion?**

A basic understanding of corrosion in a wide range of industries which may offer career growth to an engineer or to anyone who wants to investigate potential job opportunities in corrosion or related fields.

Passing the exam allows personnel with relatively limited work experience in corrosion to apply for Professional Membership of the Institute of Corrosion.

Similarly for people with experience but who are without either a relevant degree or sufficient proven corrosion training, passing the FOCE exam will be accepted as a suitable corrosion qualification for application for Professional Membership.

### **Is the FOCE course relevant for structural, civil and other engineers?**

The course will provide relevant training / knowledge upgrade for all engineers: civil, process; construction, etc, who use metals, mixed metals, etc, leading to an understanding of why corrosion occurs at particular locations on a structure and introducing mitigating strategies based on that knowledge.

Provides valuable background for anyone managing or involved with structures, buildings, manufacturing, etc which includes metals and the environment.

**What benefit will my employer / company gain?**

Companies gain corrosion knowledge through their employees and associates, which can be used to:

Sales people understand the corrosion problems and needs of their customers by enabling relevant technical conversations with clients regarding corrosion;

Solve technical challenges within your company, for example in design or production. Ensure any corrosion testing used is relevant;

Provide confidence with bids / proposals / product quotations, etc, based on an underlying knowledge of how the product will perform and how it may be of benefit with respect to corrosion;

**When and where is the next course?**

The next course will be held between 13<sup>th</sup> and 17<sup>th</sup> September 2021 in Aberdeen.

**What does the course cost and how do I book my place?**

The cost for attending the course, the exam, printed course notes, lunch and tea/coffee each day is £1050.00 + VAT.

To book on the course, please download and complete the attached application form and send it to [admin@icorr.org](mailto:admin@icorr.org).