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## **PRINCIPLES OF CORROSION FOR ENGINEERS, FORMULATORS, AND SCIENTISTS**

This course is designed for professionals interfacing the field of corrosion engineering or science and need a practical overview of this dynamic field. **No prior corrosion experience or knowledge is required.** This course is also great for professionals who interact with key personnel so that they may interface with them more efficiently and effectively. Emphasis will be placed on vocabulary, corrosion processes, typical equipment used by corrosion professionals, and practical applications and examples. **There is very little math used and all theories are kept to general principles. Past participants have included professionals responsible for customer service, packaging, product development, marketing, parts and accessories, line management, quality assurance, and manufacturing.**

### **Participants in this course will learn:**

- ❖ **Corrosion terminology:** The field of corrosion has its own spin on the vocabulary used to describe various processes and activities. An overview gives everyone a shared understanding of the definitions used in this unique area.
- ❖ **Basics of corrosion engineering and science:** No difficult math or theories, just useful, applicable basic knowledge to help you understand why and how things corrode.
- ❖ **Types of corrosion:** Corrosion isn't just rust. Find out about the other forms corrosion can take.
- ❖ **Corrosion prevention and control:** There's no need to abandon a system that is corroding because corrosion can be prevented and controlled in a number of different ways.
- ❖ **Measuring and predicting corrosion:** Tests are available to measure and predict the corrosion rates for various metals interacting with various solutions. What are these tests based on and how do you do them?
- ❖ **Failure analysis:** So your products, equipment or packages have corroded. Now what? (Participants are encouraged to bring samples of their own corrosion problems to share in class. We promised to be sufficiently impressed.)

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for more information about this course**