



**Coatings and Corrosion Control:
Materials and Applications
(CP-6605-V)**

This highly interactive course is designed to provide a sound assessment of the latest developments in corrosion protection by coatings, application methods, coating and process selection. The focus will be on protective coatings function(s), coating durability, service life assessment, case histories, and troubleshooting approaches. In addition, the properties of both coatings and substrates, the design of high performance and environmentally compliant coating will be presented.

WHO SHOULD ATTEND?

Coating users and suppliers; product manufacturers dealing with decorative and protective coatings and corrosion prevention technology; process, design, design and specification engineers; quality control, chemists, and technical service and sales personnel. The course is appropriate for personnel with limited to very good knowledge of coatings operations who need or want to learn fundamentals, current trends, and new technologies in corrosion control.

WHAT YOU WILL LEARN:

- Develop an overall understanding of coatings and corrosion prevention methods and processes.
- How to select coatings and become familiar with their properties, application methods and cost.
- The *Rational Formulation* approach to develop corrosion resistant coatings.
- Gain insight into the durability of coatings and how to improve long term performance.
- Receive unbiased technical opinions on what works, what does not, and why.

Virtual Course Outline

- How coatings control corrosion.
- Up-to-date surface preparation processes.
- Methods of promoting and maintaining adhesion.
- Cathodic, anodic, and resistance inhibition coatings.
- Factors affecting the corrosion protection ability of coatings.
- Formulating for corrosion control.
- Durability and service life assessment methodologies.

Virtual Course Details

- The virtual course will be presented live via Zoom Media. Participants may attend from either home or office, and will require a computer with a microphone and webcam.
- Participants must attend 100% of all sessions to receive an electronic/printed certificate of completion.
- Scheduled course times are Eastern Standard Time (EST).
- Private questions/consulting sessions maybe scheduled by attendees during the designated hours.
- All training materials (slides) will be available for download.