



## ***Waterborne and Sustainable Coatings: Technologies, Formulation and Application (CP-6628-V)***

This highly interactive course focuses on the most important aspects of waterborne technology and sustainable materials, processes, their formulation and properties, and application. The raw material chemistries, properties and selection used in architectural, industrial, automotive, and related areas will be discussed. The course will also discuss material classification, properties and starting point formulation using the most recent approaches for each industry, and performance criteria will be explained.

### **WHO SHOULD ATTEND?**

This course is designed to provide technical information for paint formulators and manufacturers, industry suppliers, and users of coatings and paint at all levels. It is specifically recommended for chemists, formulators, raw material suppliers, processes, design and specification engineers, and product users.

### **WHAT YOU WILL LEARN:**

- Gain an overall understanding of water-based resin and coating chemistries, technologies, and applications.
- Become familiar with the concepts and applications of sustainable materials, processes, and approaches.
- Strategies for developing sustainable processes and coatings without compromise.
- Receive unbiased technical information on properties of raw materials, resins, and coatings.
- Obtain the latest technical information and learn about future trends in materials.

### **Virtual Course Outline**

- Waterborne resin chemistries, types, and properties.
- Guidelines and materials selection for architectural, industrial, and automotive coatings
- Bio-based and sustainable approaches to coating formulation and application
- Emulsion polymerization technologies, latex resin varieties and properties
- Film formation and cure of waterborne coatings
- Formulation guidelines for architectural, industrial, maintenance, and automotive coatings
- Durability and performance of waterborne coatings.

### **Virtual Course Details**

- The virtual course will be presented through live Microsoft Teams sessions. 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 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.**