



**Course Title:** Combustible Dust Hazards: Dust Explosions

<b>Course ID:</b>	<b>Course Type:</b>
CH034	Instructor-led (classroom) Course
<a href="http://www.aiche.org/ch034">http://www.aiche.org/ch034</a>	

**Course Schedule**

1. Introduction to explosions and their effects
2. A dust explosion case study
3. Dust explosion statistics
4. Propagation of dust explosions
5. Explosion Prevention and Protection
  - a. Oxygen/Fuel Control
  - b. Ignition Control
  - c. DPC
  - d. Deflagration Venting
  - e. Deflagration Suppression/Isolation
6. OSHA NEP
7. Hazard Communication
8. Effects and consequences of dust explosions
9. Overview of publicly available protection and prevention standards
10. Dust explosion hazard tests
11. Potential adverse effects of dust explosion protection systems (examples from venting, inerting and suppression)
12. Tools for vulnerability/consequence analysis and incident investigation