



# American Galvanizers Association *Galvanize It!* Seminar Program Outline



## 1-Hour Core Seminar (HSW Credit) (Scheduled – Classroom)

- I. Introduction and Learning Objectives**
  - a. Structural Steel: Strong & Sustainable
  
- II. Hot-Dip Galvanizing (HDG) Process**
  
- III. What is Zinc?**
  - a. Zinc – Natural, Essential, Common
  - b. Other Zinc Coatings
  
- IV. Why Hot-Dip Galvanizing**
  - a. Corrosion Protection
    - i. Barrier protection
    - ii. Cathodic Protection
    - iii. Zinc Patina
  - b. Durability
    - i. Abrasion Resistance
    - ii. Uniform Protection
    - iii. Complete Coverage
  - c. Longevity
    - i. In Atmosphere
    - ii. In Soil
    - iii. Moisture Rich Environments
    - iv. In Concrete
    - v. In Other Environments
  - d. Availability & Versatility
    - i. Abundant
    - ii. Efficiency
    - iii. Safety
  - e. Aesthetics
    - i. Modern, Natural Appearance
    - ii. Duplex Systems
  - f. Sustainability
    - i. Environmental Advantages
    - ii. Economic Advantages
  
- V. Design and Specification**
  
- VI. Summary**

Revised: October 2016