

## **GLOBALLY HARMONIZED SYSTEM LESSON PLAN**

**Course Length: 120 Minutes**

**Course Description** This two hour course is intended to education company employees of the basics of the Global harmonization system and the modifications that OSHA implemented in the Hazards Communication Standard. Participants will receive a course certificate upon successful completion of this course.

### *Step 1: Planning the Lesson*

**Instructional Materials:**

- PowerPoint Presentation
- Student Handouts
- Instructional Notes
- Audio-visual Equipment
- Sample SDS
- Chemical Label Wallet Card
- Flip charts
- Markers

**Participant Handouts:**

- Hand out #1: Presentation Booklet
- Hand out #2: Print of the GHS Purple Book
- Handout #5: Sample Safety Data Sheet (MSDS)
- Hand out #4: Chemical Label Wallet Card

**Learning Objectives: Participants will:**

- Define the background of the Global Harmonization System, GHS
- Explain how the GHS will be applied
- Describe OSHA's modifications to the Hazard Communication Standard, HCS
- Identify OSHA's timeline for GHS implementation
- Compare, Contrast & Identify OSHA GHS Labeling and Warning systems
- Distinguish the differences between the MSDS & the GHS Safety Data Sheet, SDS

## Step 2: Presenting the Lesson

### **Introduction: (10 minutes)**

- Introduce yourself
  - Include name, title, experience and credentials
  - Start the lesson with an ice breaker:
    - Have everyone give their name and offer any information they would like to share about the GHS. (Since this is an introduction, there are no wrong answers and no penalty for duplicate answers.) Encourage students to participate.
    - Make a list of these on a flip chart, white board, etc.

### **Class PowerPoint Presentation and Activities: (80 Minutes Total; table top drill activity should be 30 minutes, depending on time.)**

- Introduction to the Global Harmonization System
  - a. Reference identified GHS information listed during the ice breaker as a reference.
  - b. Thoroughly review each slide and answer all participant questions
  - c. Slide 19, Pictogram & hazards quiz will be executed via the Clicker system. Questions will be administered to the group, recorded & be automatically given a percentage of correct / incorrect answers. Answers to the questions will be reviewed.
  - d. Show the video and upon completion precede to the classroom activity
- **Classroom Participant Activity: Summary of the class & the video (30-40 Minutes)**
  - Instructor will divide class into groups, accordingly to the size of the class.
  - Each team will receive an easel & a marker
  - Team members will brainstorm and list GHS bullets reviewed in the video
  - Team will also list any topics not covered in the video that was covered in class
  - Each team will present their conclusions to the class

### **Course Summary & Evaluation: (15 Minutes)**

- Review the objectives on the summary slide
- Evaluation: Monitor participant non-verbal and verbal reactions during summary and previous class discussions.

### **Participant Critiques & Share References: (10 Minutes)**

- Student will complete a course critiques
- **References:**
  - GHS: The Purple Book, Retrieved from:
    - <https://www.osha.gov/dsg/hazcom/ghs.html>
  - Modification of the Hazard Communication Standard (HCS) to conform with the United Nations' (UN) Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Retrieved from:
  - <https://www.osha.gov/dsg/hazcom/hazcom-faq.html>