

Course Name: Measurement

Hours to complete: 1.00

CEUs: 0.10

Description:

In this course, learners will be introduced to the concepts of measurement, which are based in arithmetic and systems of measurement in SAE and Metric measures. They will discover that the practice of consistent and accurate measurement is a combination of technique and innovation on the part of the technician doing the measurement. Learners will review the guiding principles of measurement and will review case studies of measurement fails. Use of rulers and scales, calipers and outside micrometers are demonstrated.

Audience:

This program is designed for ride owners/operators, maintenance, inspectors and other amusement personnel who require continuing education and training for maintaining their certification to work in their respective positions per AHJ regulations and/ or company policies. This program is also ideal for individuals wishing to remain current on latest industry trends, standards and best practices applicable to their day to day job duties as it relates to their role.

Specific target audience includes:

Ride device, water slide, water attractions, trampoline and adventure course inspectors, maintenance personnel , owner/ operators, management.

Amusement manufacturers for ride devices, water slides, water attractions, trampoline and adventure courses

Prerequisites:

Participants enrolling in this course:

- Must have access to a mobile device or computer with connectivity to the internet for viewing the content within the learning management system.
- Must log in with their unique email and password credentials to access their course materials.
- Must have access to a stable, high speed Internet connection for optimal viewing of the content to minimize potential for buffering of multimedia in learning programs.

Evaluation:

Successful course completion includes:

- Review of the module content in its entirety
- Successful completion of the module quiz
- Completion of the module course evaluation survey.

Upon successful completion of all modules, participants must complete the course survey and then will have access to download their credentials and any associated CEUs.

Outcomes:

Participants in this course will:

1. Review a brief history of measurement.

2. Understand purpose of measurement accuracy.
3. Compare Metric and US measurement systems.
4. Learn the six guiding principles of measurement.
5. Review case studies of measurement fails.
6. Understand how to read calipers and micrometers.

Expectations:

Students will watch a learning module of content from the AIMS 2020 Safety Seminar video series and complete the assessment quiz at the end of the module.