

# Design of Structures Training 3 | Multimedia Courseware

Global Positioning Systems (GPS) - W11602-AB04XEN-E1

Objective 1: Describe the Function of a Global Positioning System

Type Dependent Functions of GPS

Range-Pole Mounted GPS 1 of 3

The function of the GPS also depends on the type of GPS used.

A range-pole mounted GPS would be used for extreme accuracy.

A mobile GPS is used for tracking a moving vehicle, and a handheld unit is used for recreational use.

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## Structural Engineering eLearning: M11602

Design of Structures 3 eLearning (M11602) covers the basic surveying principles and equipment and how they are used to perform surveys and read maps, as well as global positioning system applications. More detailed examples of learning topics include: how to operate the level-transit; how to perform a boundary survey; how to obtain a plat; and how to use GPS to perform or verify surveys.

### Teach Hands-On Skills

#### Maintenance and Troubleshooting Training

The course of surveying introduces surveying fundamentals, surveying applications, mapping, and global positioning systems (GPS). Fundamental skills and objectives include level-transit operation and level-transit application techniques. Surveying applications include concepts such as basic level-transit applications, tape measures, surveying process, and trigonometric survey applications. Mapping concepts include an introduction to maps, topographical maps, and plats. Global Positioning Systems (GPS) includes the basics, application, and using GPS in surveying. This course allows the learner to experience the basics including a broad range of surveying fundamentals.

#### Design of Structures 3 eLearning | Interactive Multimedia Format

Amatrol's [unmatched multimedia](#) utilizes text, audio, and stunning 3D animations that engage learners in both theoretical knowledge and hands-on skills. This thorough, exceptionally detailed curriculum is built to begin with the basics and steadily advance to more complex concepts and skills. Through partnerships with key industry leaders and leading edge educators, Amatrol developed the right balance of knowledge and applied skills needed to train learners to work in their chosen field.

### Additional Info

- **Additional Requirements**

- Computer: [See requirements](#)
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