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Industrial Education Safety (IES) 1066 Introduction to Machinery and Machine Guarding O 7100 (.5 Unit)
[Formerly Industrial Education Safety 62]

Prerequisite: None

Total Hours: 8 hours lecture

Catalog Description: The main focus of this course is to increase the participant's knowledge and skill in proper machine safeguarding techniques, and to highlight the benefits of guarding various types of machinery. It is the employer's responsibility to identify and select the safeguard necessary to protect employees and others in the work area, as well as provide appropriate training in safe work practices. Knowing when and how to properly safeguard machinery can reduce or eliminate the potential for accidents and injuries. This course is offered on a Pass/No Pass basis with the option to receive a letter grade.

Type of Class/Course: Degree Credit

Textbook: OSHA Training Institute. *Introduction to Machinery and Machine Guarding*. Washington D.C.:US Dept of Labor. Print.

Additional Required Instructional Materials: None

Course Objectives:

By the end of the course, a successful student will be able to

1. explain the hazardous actions and motions of selected machinery and relate these movements to applying the proper safeguards,
2. identify methods of safeguarding representative pieces of machinery, (drill press, grinder, power press, shear, horizontal metal cutoff saw and bandsaw, and a conveyor) including the use of a variety of tools that are available to assist in safeguarding efforts, and
3. match identified safeguards with the applicable OSHA standards.

Course Scope and Content:

Unit I Introduction to Machinery and Machine Safeguarding

Unit II Basics of Machine Safeguarding

Unit III Methods of Safeguarding

Unit IV Management Responsibilities

Learning Activities Required Outside of Class: None

Methods of Instruction:

1. Lecture



2. Group exercises in class

Methods of Evaluation:

1. Written final exam