

Minnesota State College Southeast

BIKE 2080: Safety and PPE

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the personal protective equipment and safety procedures necessary to protect workers engaged in the design and development of bicycles. Emphasis is placed on the importance of training on the safe use of tools and equipment and to raise awareness of hazards. Knowledge of different types and classes of PPE and how to select the most appropriate protection depending on application and conditions of use. Understand how to don, size, and adjust PPE correctly. Understand the expected function and limitations of PPE. Understand how to interpret and respond to material safety data sheets (MSDS) when exposed to such materials and substances. Be knowledgeable of OSHA workplace regulations that govern safety requirements. Historical perspective of workplace safety. (Prerequisite: none) (1 credits)

B. COURSE EFFECTIVE DATES: 02/27/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Safe use and hazards of tools and equipment
2. Selection, types, and classes of PPE
3. Correct use of PPE
4. Limitations and performance of PPE
5. OSHA safety guidance
6. Understanding MSDS sheets
7. History of workplace safety

D. LEARNING OUTCOMES (General)

1. Awareness of machine hazards and measures to prevent or reduce injuries
2. Knowledge of types of PPE and how to select appropriate protection
3. Ability to correctly size and adjust PPE
4. Knowledge on how to inspect and properly clean or dispose of PPE
5. Understanding of protection limitations of PPE
6. Understand how to utilize MSDA sheets and how to mitigate potential hazards when working around these materials
7. Knowledge of OSHA regulations governing requirements for PPE
8. Knowledge of history of workplace safety
9. Exhibit safe work practices

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted