Kentucky CTE

Advanced Manufacturing: Introduction to Surveying (For CAD) 480104 (2026–2027)

Demonstrate and practice safe work habits in the lab area. 1

1 Demonstrate and practice safe work habits in the lab area. 1

Identify surveying methods and notations of measurements. 2

2 Identify surveying methods and notations of measurements. 2

Analyze correction of error. 3

3 Analyze correction of error. 3

Identify surveying instruments. 4

4 Identify surveying instruments. 4

Identify various methods of leveling. 5

5 Identify various methods of leveling. 5

Explain methods of traverse calculations and area computation. 6

6 Explain methods of traverse calculations and area computation. 6

Analyze computer calculations and omitted measurements. 7

7 Analyze computer calculations and omitted measurements. 7

Identify various types of surveys. 8

8 Identify various types of surveys. 8

Explain Global Positioning System and Geographic Information Sy

9 Explain Global Positioning System and Geographic Information Systems. 9

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Identify volumes and horizontal and vertical curves. 10

10 **Identify volumes and horizontal and vertical curves.** 10