South Central College

CIM 1208  Applications I

Common Course Outline

Course Information

Description  This course is designed to give hands on experience. The student will use the saw, drill press, mill, and lathe. The projects will be used in the final assembly of an advanced project. (Prerequisites: CIM 1106 - Machine Tool Theory I)

Total Credits  2.00
Total Hours  64.00

Types of Instruction

Instruction Type  Credits/Hours
Lab  2/64

Pre/Corequisites

Prerequisite  CIM 1106 - Machine Tool Theory I

Institutional Core Competencies

Analysis and inquiry: Students will demonstrate an ability to analyze information from multiple sources and to raise pertinent questions regarding that information.

Critical and creative thinking: Students will develop the disposition and skills to strategize, gather, organize, create, refine, analyze, and evaluate the credibility of relevant information and ideas.

Teamwork and problem-solving: Students will demonstrate the ability to work together cohesively with diverse groups of persons, including working as a group to resolve any issues that arise.

Written and oral communication: Students will communicate effectively in a range of social, academic, and professional contexts using a variety of means, including written, oral, numeric/quantitative, graphic, and visual modes of communication.

Course Competencies

1  Demonstrate use of tools.
   Learning Objectives
   Perform draw filing.
   Perform deburring.

2  Demonstrate machine clean up and maintenance.
   Learning Objectives
Clean machine on a regular basis.
Lubricate machines.

3 Demonstrate quality craftsmanship.
Learning Objectives
Grind square to print.
Grind parallels to print.

4 Demonstrate ability to meet deadlines.
Learning Objectives
Develop employable attendance habits.
Develop employable punctuality habits.

5 Exhibit lab safety.
Learning Objectives
Choose safe methods, such as appropriate speeds and feeds.
Illustrate proper dress code and eye protection.

6 Apply trade math.
Learning Objectives
Use angle plate.
Use sine vise.

7 Use precision indicators.
Learning Objectives
Indicate hole.
Use edge finder.

8 Troubleshoot surface finish problems.
Learning Objectives
Dress grinding wheel.
Analyze surface finish requirements.

SCC Accessibility Statement
If you have a disability and need accommodations to participate in the course activities, please contact your instructor as soon as possible. This information will be made available in an alternative format, such as Braille, large print, or cassette tape, upon request. If you wish to contact the college ADA Coordinator, call that office at 507-389-7222.

Disabilities page http://southcentral.edu/academic-policies/disability-rights.html