South Central College

CIM 1201 Interpreting Engineering Drawings II

Common Course Outline

Course Information
Description: This course expands on the introductory-level information about prints and drawings and provides more experiential learning opportunities for students to work with symbols, notations, and GD&T feature control frames. (Prerequisite: CIM 1101 - IED I Application)

Total Credits: 2.00
Total Hours: 48.00

Types of Instruction

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Pre/Corequisites
Prerequisite: CIM 1101 - IED I Application

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.

Course Competencies

1. Explain a variety of symbols and notations used on machining prints.
   Learning Objectives
   - Identify different nomenclature of engineering drawings.
   - Differentiate between symbols and notations and their meaning.

2. Interpret usage of tolerances.
   Learning Objectives
   - Compare bilateral and unilateral tolerances.
   - Identify limit tolerances.
   - Formulate appropriate application of Maximum Material Condition (MMC).

3. Use planning methods that ensure quality.
   Learning Objectives
4 Identify project specifications through blueprint creation.
   Learning Objectives
   Utilize appropriate symbols and notations to create drawings.
   Construct prints based on project requirements.

5 Construct drawings that consider class of fit.
   Learning Objectives
   Devise class of fit for a project.
   Apply class of fit appropriately on engineering drawings.

6 Practice reading multifaceted drawings.
   Learning Objectives
   Explain location of print components.
   Identify meaning of various elements of blueprints.
   Summarize project specifications after consulting drawings.

7 Apply engineering drawing specifics to projects.
   Learning Objectives
   Utilize information to determine steps of project.
   Develop a plan based on print components.
   Consult drawing to create part.

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