EICC COURSE DEVELOPMENT MODEL (CDM)

CATALOG COURSE NUMBER: MFG-186

Originating College: Initiating Faculty Mem	CCC	□MCC □ SCC		Effective Term/Year		2014 dinator: Ben Ketterin	ıa
initiating raculty Mem	ibei. i	Refine the Dannouy		initiating Departmen	11 0001	dinator. Den Netterin	9
Reason for submission New Course If yes A&S		eck all that apply of course:					
To be part of an A	. & S C	eneral Education? ☐ Yes Concentration? ☐ Yes					
□CTE Program Title: □General Education or I		Required Elective	ation of	f an inactive course.	3 Makin	a course inactive	
□Changing course; plea	ase exp		allon oi	an mactive course	∍iviakiii	g course mactive	
□Other; please explain:	_						
Contact Hours/Distribu	ution o	of Contact Hours					'
Lecture Hours		Lab Hours		Clinical Hours		Coop Hours	
Hours per Week: 1	.00	Hours per Week:	0	Hours per Week:	0	Hours per Week:	0
Number of Weeks: 1	6.50	Number of Weeks:	16.50	Number of Weeks:	16.50	Number of Weeks:	16.50
**Note: If offering a co	ourse	for the full fall or spr	ring sei	mester, the number o	of weel	ks is 16.5	
Total Lecture Hrs: 1	9.80	Total Lab Hrs:	0	Total Clinical Hrs:	0	Total Coop Hrs:	0
Semester Hours Credit: 1.00 if variable credit, give range: Allow repeat* for credit: Yes No If yes, total course repeats allowed: If yes, total credits: *Note that repeat for credit means a student can pass the course and then repeat it for additional credit. An internship course is an example of a course that could be set up as repeatable for additional credit							
Course or courses this	s CDM	l replaces, if any:					
catalog course D industrial application. St of the manufacturing industrial will be covered.	udents	s will develop the basic	c skills a	and knowledge necess	sary to v	work safely within all as	spects
RECOMMENDED ENTI	RY LE	VEL SKILLS/KNOWL	EDGE:				
PRE-REQUISITE COUR	RSES						
		IRSE TITI E					$\overline{}$
		JIVOL TITLL					
CO-REQUISITE COUR	SES						
		IDCE TITI E					
COIV#		JNOL TITLE					
PUBLISHED MATERIA Roland Meyer, Machine						leely, Warren White, ar	nd
CCN# CO-REQUISITE COURS CCN#	SES COL					leely, Warren White, ar	nd

In general it is expected that source material will be dated within 5 years of this CDM date. If all materials/ textbooks cited above are older than this, please explain:

GENERAL COURSE GOALS

Upon successful completion of this course the student should be able to:

Use safe practices when working in an industrial setting and operating equipment.

TOPICAL OUTLINE

- 1. Safety Basics
- 2. Safety for Chemical Health Hazards
- 3. Electrical Safety
- 4. Forklift Operations Safety
- 5. Shop Safety

COURSE OBJECTIVES

Upon successful completion of the course, a student should be able to:

- 1. Safety Basics
 - a. Describe the causes of on-the-job accidents.
 - b. Identify why good housekeeping can prevent accidents.
 - c. Describe why it is important to follow all company safety policies.
 - d. Describe typical personal protective equipment.
 - e. Identify why it is important to report all on-the-job accidents and near misses.
 - f. Explain when and why each type of equipment is used.
- 2. Safety for Chemical Health Hazards
 - a. Describe common work place chemical hazards.
 - b. Describe rules and guidelines for working safely around hazardous substances.
 - c. Identify how fires start.
 - d. Describe two types of respirators.
 - e. Describe common fire prevention practices.
 - f. Describe how to properly select and use chemical-resistant clothing.
 - g. Identify hazards associated with using solvents.
 - h. Describe the term physical hazard.
 - I. Describe the term health hazard.
 - j. Identify examples of physical hazard.
 - k. Identify examples of health hazard.
- 3. Electrical Safety
 - a. Identify what an electrical shock is.
 - b. Describe the factors that affect the severity of an electrical shock.
 - c. Describe how to give aid to an electrical shock victim.
 - d. Describe how to safely respond to an electrical fire.
 - e. Describe the general hazards associated with electrical maintenance.
 - f. Describe general aspects of working safely around electrical equipment.
 - g. Describe how to safely respond to an electrical fire.
- 4. Forklift Operation Safety
 - a. Describe general safety considerations associated with forklift operations.
 - b. Identify the major features of a forklift.
 - c. Describe how to operate a typical forklift.
 - d. Describe general guidelines for handling loads safely with a forklift.
 - e. Identify the basic principles of forklift stability.
 - f. Describe how basic principles of forklift stability affect forklift operations.
- 5. Shop Safety
 - a. Identify common shop hazards.
 - b. Identify and use common shop safety equipment.
 - c. Describe the safety practices in using the equipment particular to their program of study.
 - d. Identify the shop rules.

RECOMMENDED METHODS OF INSTRUCTION: Check all appropriate methods of instruction to facilitate student learning of course objectives.

□Case Studies □Class Discussions
□Computer lab work □Computer-assisted tools

□Computer-assisted writing □Demonstration or modeling □Field observation □Field observation □Guest speaker □In-class writing or editing workshops □Lecture □Model building □Readings □Service learning □Student and instructor conferences □Student presentation □Student projects □Writing assignments/exercises (graded or not) □Other (please list specifics): Videotapes, Mill Project							
RECOMMENDED EVALUATION METHODS: Check all appropriate methods of evaluation to assess student achievement of course objectives. UClass workshops UClassroom discussions/participation UClassroom di	f						
ATTENDANCE: Policies on attendance will be formulated by the instructor and communicated to the students on the course syllabus. ACADEMIC DISHONESTY: Policies on academic dishonesty can be found in the EICC student code of conduct							
published in the student handbook. CDM CREATION/REVIEW/REVISION INFORMATION							
Originally Written by: Date:							
Department Chair, Comments, & Date:							
Does similar curriculum exist at other EICC Colleges? □CCC □MCC □SCC □No							
If yes, Counterparts Consulted, College, Comments & Date:							
CDM Review or Revision Date:							
Faculty member(s) & College:							
Does similar curriculum exist at other EICC Colleges? □CCC □MCC □SCC □No							
Changes made to course which will require further review steps:							
□ Making course inactive □ Credit hours □ Contact hours □ Course Description	ī						

□ 25% or more of course objectives □ Other minor revisions or no revisions				
Dean Review, Comments & Date:				
If changes made require further review and approval:				
College Curriculum Committee Sign-off & Date:				
IC Review Subcommittee Sign-off & Date:				
Instructional Council Approval:				