Clackamas Community College

Online Course/Outline Submission System

☑ Show changes since last approval in red　　| Print | | Edit | | Delete | | Back |

| Reject | | Publish |

Section #1 General Course Information

Department: Manufacturing

Submitter

First Name: Mike
Last Name: Mattson
Phone:　　　3322
Email:　　　mattsonm

Course Prefix and Number: MFG - 104

 # Credits: 2

Contact hours

Lecture (# of hours): 24
Lec/lab (# of hours):
Lab (# of hours):
Total course hours:　24

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Print Reading

Course Description:

Introduction to basic print reading. Students will use the principles of orthographic projection and current industry standards as they apply this knowledge to interpreting manufacturing prints.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Manufacturing Technology AAS, Computer-Aided Manufacturing AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. visualize a 3D part from an orthographic representation,
2. identify Notes and Revision information,
3. extract dimensional information and finish information,
4. utilize basic print reading terminology used in industry,
5. effectively discuss the represented part or assembly,
6. demonstrate the care and handling of prints.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. What is a Print.
2. The Alphabet of Lines.
3. Multi View Drawings.
4. Auxiliary Views.
5. Section Views.
6. Threads and Fasteners.
7. Dimensioning.
8. Tolerancing.
9. Machining Specifications.
10. Surface Quality.
11. Introduction to GD&T Symbols.
12. Detail Drawings.
13. Assembly Drawings.
14. Pictorial Drawings.
15. Title Blocks.
16. List of Materials.
17. Drawing Notes.
18. Revisions.
19. Welding Prints.

20. Sheet Metal Prints.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

First term to be offered:

Next available term after approval
: