



Student Learning Outcomes Plan

Effective Communication - Fall 2017

Page 1: Welcome

Q1

First, please tell us a little about yourself:

Your name:

Barry

The name of your program

CNC Machinist Program

Q2

We are in the process of getting external accreditation.

Is your program externally accredited?

Page 2: Plan to improve student outcomes - part 1 (R/U)

Q3

Please list your chosen CLSO and associated course number as they appear in the MCO. This first one should be emphasized early in a student's program and center on students' ability to Remember/Understand (R/U) concepts/attitudes/skills. Students demonstrate effective communication at this level by: Reading and listening analytically with understanding and openness toward other points of view; writing and speaking clearly, accurately, fluently and with a sense of continuity.

Course #

CNCM 102

SLO

Identify how people from diverse backgrounds and cultures have integrated into this trade

Q4

How will you assess this first CSLO?

Test/Quiz,

Describe the improvements in students' skill or understanding you hope to see on this assessment::

I hope to see understanding that the Machine Shop workplace has changed to a workplace which welcomes all peoples as co-workers

Q5

What will you change to improve student learning on this CSLO?

Reinforce The lesson with a quiz

Q6

How will these results affect your teaching/program?

It will allow us to measure the impact of our lesson

Page 3: Plan to improve student outcomes - part 2 (A/A)

Q7

Please list your second chosen CLSO and associated course number as they appear in the MCO. This second one should be emphasized mid-way through a student's program and center on students' ability to Analyze/Apply (A/A) concepts/attitudes/skills. Students demonstrate effective communication at this level by: Recognizing academic and personal obstacles to learning and demonstrating strategies to overcome them; showing respect for self and others; communicating needs and making decisions.

Course #

CNCM 113

SLO

Use and apply suitable "G" and "M" codes

Q8

How will you assess this second CSLO?

Test/Quiz,

Describe the improvements in students' skill or understanding you hope to see on this assessment::

I hope to see students who truly understand how the various RS274 (G&M codes) work together in creative ways

Q9

What will you change to improve student learning on this CSLO?

I am adding three projects to lessen the steepness of the learning curve on our Failsafe Pin with Assigned Radius project

Q10

How will these results affect your teaching/program?

Rather than presenting all of the learning on a very complex project then expecting the student to perform this task, I am cutting it into smaller chunks to increase the overall conceptual understanding

Page 4: Plan to improve student outcomes - part 3 (C/E)

Q11

Please list your third chosen CLSO and associated course number as they appear in the MCO. This third one should be emphasized late in a student's program and center on students' ability to Create/Evaluate (C/E) concepts/attitudes/skills. Students demonstrate effective communication at this level by: Articulating and setting priorities; making ethical decisions; working independently as well as cooperatively to develop awareness of and sense of responsibility for the wider community.

Course #

CNCM 114

SLO #

Coordinate system setting and tool setting errors

Q12

How will you assess this third CSLO?

Project,

Describe the improvements in students' skill or understanding you hope to see on this assessment::

The students have had one time initial exposure to the concepts and practice of setting Work Coordinate Systems. Now they will have drills to reinforce deeper comprehension and command of the concepts

Q13

What will you change to improve student learning on this CSLO?

We are adding a whole new project for advanced students which will be a practice exercise for beginning students

Q14

How will these results affect your teaching/program?

Some students learn more fully with repetitive exercise than from one time exposure.
