

## GBC Class/Course Assessment Report

**Course Prefix, Number, and Title:** MTT 230 Computer Numerical Control 1  
**Section Number(s):**  
**Department:** Manufacturing Machining Technology

**Instructor:** Eric Andersen  
**Academic Year:** 2024  
**Semester:** Spring  
**Is this a GenEd class?** Yes \_\_\_ No X

Complete and submit your assessment report electronically to your department chair. As needed, please attach supporting documents and/or a narrative description of the assessment activities. You may use as many or as few outcomes as necessary.

Class/Course Outcomes	Assessment Measures	Assessment Results	Outcome Results Analysis
In the boxes below, summarize the outcomes assessed in your class or course during the last year. If this is a GenEd class, include the appropriate GenEd objectives.	In the boxes below, summarize the methods used to assess course outcomes during the last year. Include the criterion you'll use to judge whether or not students have achieved the expected outcome.	In the boxes below, summarize the results of your assessment activities during the last year. Include your judgement as to whether or not the criterion for student achievement has been met.	In the boxes below, please reflect on this outcome's results and summarize how you plan to use the results to improve student learning.
Outcome #1: Read and Write CNC code.	Assessment Measure: Individual instruction and observation of each student while they write and complete g-code assignments  Criterion for achievement: Completion of homework and quizzes >60%	Results: All students were instructed and have shown acceptable proficiency with reading and writing cnc code  Criterion Met: Yes/No	1. Results Analysis: Outcome achieved  2. Action Plan: No action needed
Outcome #2: upload and download cnc programs	Assessment Measure: Individual instruction and observation of each student while they are completing assignments to upload and download programs to CNC machines and from computers  Criterion for achievement: Completion of homework and quizzes >60%	Results: All students have achieved minimum proficiency with uploading and downloading cnc programs  Criterion Met: Yes/No	1. Results Analysis: Outcome achieved  2. Action Plan: No action needed

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<p>Outcome #3: Edit CNC programs at the CNC machine controller</p>	<p>Assessment Measure: Individual instruction and observation of each student while editing CNC programs at the control</p> <p>Criterion for achievement: Completion of homework and quizzes &gt;60%</p>	<p>Results: All students showed proficiency in editing CNC programs</p> <p>Criterion Met: Yes/No</p>	<p>1. Results Analysis: Outcome achieved</p> <p>2. Action Plan: No action needed</p>
<p>Outcome #4: Set-up and operate CNC machines</p>	<p>Assessment Measure: : Individual instruction and observation of each student while they set-up and operate a CNC milling machine</p>	<p>Results: Each student showed proficiency in the set-up and operation of a CNC mill</p> <p>Criterion Met: Yes/No</p>	<p>1. Results Analysis: Outcome achieved</p> <p>2. Action Plan: No action needed</p>
<p>Outcome #5:</p>	<p>Assessment Measure:</p>	<p>Results:</p> <p>Criterion Met: Yes/No</p>	<p>1. Results Analysis:</p> <p>2. Action Plan:</p>

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**Reflections: This next academic year I will be implementing more online course material for this condensed class. I feel that I can add a lot of online content that will enrich the effectiveness of this course.**

I have reviewed this report:

\_\_\_\_\_  
Department Chair

Date \_\_\_\_\_

\_\_\_\_\_  
Dean

Date \_\_\_\_\_

\_\_\_\_\_  
Vice President of Academic Affairs and Student Services

Date \_\_\_\_\_