

MTOM AAS

14/15 Program Assessment Report

BASELINE YEAR

Course Assessment Benchmark Faculty	Outcome 1	Outcome 2	Outcome 3	Outcome 4	Outcome 5	Comments
Course: MFGT1110 Assessment: FINAL GRADE Benchmark: C or higher Faculty: BARKER Date: WEEK 15, SPRING SEMESTER	90% of students met benchmark 28 students					ALL ENGINEERING STUDENTS COMPLETE THE MANUFACTURING PROCESSES COURSE, SUGGESTED TO BE FIRST SEMESTER IN ALL PROGRAMS. STUDENTS PRACTICE A VARIETY OF ORGANIZATION SKILLS (GRADED NOTEBOOK AND CANVAS ACTIVITIES), WORK IN BOTH INDIVIDUAL AND TEAM PROJECTS, ARE RECOGNIZED FOR GOOD ATTENDANCE, PRACTICE SAFETY IN VARIOUS MANUFACTURING SETTINGS, AND ARE EXPOSED ON AN INTRODUCTORY LEVEL, TO 15 VARIOUS MANUFACTURING PROCESSES AND MATERIALS.
Course: MFGT1010 Assessment: MIDTERM GRADE Benchmark: C or higher Faculty: BARKER Date: WEEK 8, FALL SEMESTER		92.8% (13/14) of students met benchmark 14 students				STUDENTS WORK WITH A VARIETY OF DOCUMENTS IN MANUFACTURING. THIS COURSE PRESENTS ANSI STANDARD BLUEPRINTS AND THEIR INTERPRETATION . SKILLS EVALUATED INCLUDE MATH, COMMUNICATION, AND TIME MANAGEMENT.
Course: MFGT1550 Assessment: FINAL GRADE Benchmark: 90% PASS Faculty: BARKER Date: WEEK 15, SPRING SEMESTER			100 % of students met benchmark 5 students			THIS WAS THE FIRST TIME TO RUN THIS NEW COURSE. STUDENTS WERE ABLE TO GET INSTRUCTION IN SESSIONS FOR 1 OR 2 PEOPLE. THEY WERE ABLE TO BUILD CONFIDENCE IN SETTING UP. LOADING AND PERFORMING MINOR PROGRAM EDITS, AND RUNNING CNC MACHINES. THIS COURSE IS ENHANCED WITH A CMM MACHINE PURCHASED THROUGH THE TAACT GRANT, AS WELL AS A CNC LATHE PURCHASED BY THE FOUNDATION. TO IMPROVE THE COURSE, A WORK STUDY POSITION HAS BEEN IMPLEMENTED TO SUPPORT EQUIPMENT MAINTENANCE, AS WELL AS GENERAL HOUSEKEEPING AND PREPARATION..
Course: ENRD2150 Assessment: FINAL EXAM Benchmark: C OR HIGHER Faculty: BARKER Date: WEEK 15, SPRING SEMESTER				93.75% of students met benchmark 32 students		STUDENTS WERE ABLE TO SUCCESSFULLY INTERPRET A PART MODEL AND CREATE A 3 VIEW, DIMENSIONED PRINT, ACCORDING TO ANSI STANDARDS.
Course: MFGT2010 Assessment: MIDTERM EXAM Benchmark: C or higher Faculty: BARKER					100% of students met benchmark 14 students	ALL STUDENTS DEMONSTRATED THE ABILITY TO DESIGN AND FABRICATE A PROTOTYPE MODEL TO SOLVE A MANUFACTURING PROBLEM, AS WELL AS CALCULATE COST, SAVINGS, AND BREAK EVEN POINTS FOR THEIR TOOLING SOLUTION.

Date: WEEK 8 SPRING SEMESTER						
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THERE IS NO DATA ON THE SECOND YEAR CURRICULUM OF THE DEGREE AS THIS IS A NEW PROGRAM.