

DEPARTMENT OF MECHANICAL ENGINEERING
MANUFACTURING LAB
MR. ZICARELLI
OU BUILDING ROOM OU-118 – (305) 348-6557
zicarell@fiu.edu
<http://web.eng.fiu.edu/zicarell/>

SYLLABUS

Sessions 1-3 (Level-2)

Welcome to Manufacturing Lab. This is a Level-2 lab course, and should be taken only after completing the Level-1 course. The course objective is to give you a deeper understanding of both manual and automated machine usage, in order to help prepare you to use the equipment in the Student Machine Shop for your upcoming Senior Design projects. Safety is taught, practiced, and enforced throughout the course. Please note that a flash-drive, and closed toed shoes will be required for this course.

GRADING

This is a “HANDS ON” course. Grading for this class is broken down as follows:

The FOUR components that make up YOUR total grade are:

- Quizzes 100 pts (2 quizzes @ 50 points each, not counting final quiz)
- PROJECTS 100 pts (Mastercam CAD/CAM Project mold)
- FINAL QUIZ 100 pts

TOTAL: 300 points

GRADE SCALE

A = 275-300 pts
B = 225-274 pts
C = 200-224 pts
D = 175-199 pts
F = 174 and below

Attendance: On-line

Homework: Must be 100 % complete and turned in by DUE date, or you will fall behind, and fail the course. Homework is to be done on YOUR time not class time.

****Put YOUR name and Panther ID on your work in order to get credit. ****

Projects: Must be 100 percent completed to get full credit points.

Weekly Lab requirements

LAB WEEK# 1

- **KNEE MILL SET-UP INTRO, TOOL CHANGE, SPINDLE RPM CHANGE (2-videos)**
- **Quiz L2-Quiz-1**

LAB WEEK# 2

- **Setting a part origin (1-video)**
- **Quiz L2-Quiz-2**

LAB WEEK# 3

- **Homework #3 Watch all videos for this assignment, and complete the assignment in Mastercam**

LAB WEEK# 4

- **Final Quiz**