MFGT 468 -- Manufacturing Tooling [4 units]  

PREREQUISITES:  MFGT 218, MFGT 360 and MFGT 458

COURSE TIME SCHEDULE:
- Lecture – Monday 5:30 to 8:20 pm Langdon 119B
- Lab – Wednesday 5:30 to 8:20 pm Langdon 120

INSTRUCTOR:  Leonard Fallscheer
E-Mail  lfallscheer@csuchico.edu
OFFICE:  O’Connell 425
          Office Phone:  898-5320
          Department Phone:  898-5346
          Home Phone:  891-4945

OFFICE HOURS:  Mon 12 – 1, Tues 2 – 4, Wed 12 – 2

COURSE OBJECTIVES:
This course is designed to familiarize the student with tool design concepts in manufacturing that promote increased production while maintaining quality and lowering costs. The course will include units on cutting tools, machine tools, jigs and fixtures, gaging and inspection, and dies for cutting and forming. Break-Even calculations and tooling for the polymer manufacturing industries will also be covered.

CATALOG DESCRIPTION:
Students design, fabricate, test, and evaluate production tooling used in the manufacture or assembly of metal or plastic parts in their capstone projects.

            Machinery’s Handbook  (any edition)

COSTS DURING TERM OF COURSE:
- Lab Fee:  $20.00  [required]
- Safety Glasses:  [required – MUST be worn at all times in the labs]

LAB SAFETY POLICIES and PROCEDURES:
Read and understand the Department’s Lab Safety Policies and Procedures
Fill out the Acknowledgement of Lab Safety Policies and Procedures form, sign it and turn it in for filing.

EVALUATION PROCEDURE:
- Laboratory exercises and homework  35%
- Technical paper and/or presentation  15%
- Midterm exam  15%
- Final exam  20%
- Spot tests  10%
- Field trip report  5%

-----------  
100%