Student Outcomes and Performance Indicators – Faculty Assessment
Department of Engineering & Engineering Technology
College of Professional Studies
Metropolitan State University of Denver

MET 4080

COMPUTER AIDED MANUFACTURING

Semester/year

Specific, Measurable Student Behavioral Learning Objectives:
Upon completion of this course the student should be able to:

1. Examine modem manufacturing techniques.
2. Maintain management control over manufacturing functions such as schedules, purchasing, production control and inspection documentation.
3. Create engineering drawing control changes and storage using computer software.
4. Create effective decisions and assume a management role in Production/Operations Management.
5. Apply analytical methods and system concepts to production operations.
6. Apply PERT in critical path scheduling.
7. Examine techniques to determine shop loads and schedules.
8. Computerize production planning, scheduling and control systems using SMARTCAM.

ABET	**Competency Area**	**Data Collection**
f	an ability to identify, analyze, and solve broadly-defined engineering technology problems	
g	an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature	

ADDITIONAL COMMENTS:

PLEASE:

1. MAKE SURE ALL REFERENCES ARE IN Y DRIVE;
2. SAVE THIS FILE UNDER THE COURSE NUMBER, FOR EXAMPLE: CET1000 SPRING 2018.DOC;
3. SEND YOUR REPORT TO LINDA;

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<*Name*> <Date>

Following tables define the Performance Indicators for each of the Student Outcomes a through k

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ABET f: an ability to identify, analyze, and solve broadly-defined engineering technology problems				
	Unsatisfactory	Developing	Satisfactory	Exemplary
Identify and describe technical problems	Unable to understand problem	Understand the problem but unable to provide solutions	Some solutions or ideas in solving the problem	Proper solution obtained
Recognize standard procedures in solving specific technical problem	Unaware of standard procedures	Realize standard solution procedures but unable to implement	Some solutions are obtained	Properly use standard solution procedure or provide alternate ways of solutions
Manage information and solve technical problems	Unable to gather information needed	Unaware of the importance of managing and documenting information	Some management and documentation of information	Proper documentation and management of information

ABET g: an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature				
	Unsatisfactory	Developing	Satisfactory	Exemplary
Use proper format and grammar in written and oral communications	Unaware of the need of communications in engineering technology practice	Unable to use format and grammar for effective communication	Able to communicate in technical environment	Present properly to both non-technical and technical audience
Use appropriate graphics in oral and written presentations	No understanding of importance of graphics	Unable to produce all graphics needed	Some applications of graphics in presentation	Presentation with proper graphical aids
Paraphrase technical and non-technical literature satisfactorily	Unaware of the need in technical literature	Unable to identify and research for proper literature	Some literature research	Present properly to both non-technical and technical audience