MACH 210 - Machine Technology 3 Course Outline

Approval Date: 05/08/2007
Effective Date: 01/16/2018

SECTION A

Unique ID Number	CCC000276651
Discipline(s)	Machine Tool Technology
Division	Career Education and Workforce Development
Subject Area	Machine Tool Technology
Subject Code	MACH
Course Number	210
Course Title	Machine Technology 3
TOP Code/SAM Code	0956.30 - Machine Tool Technology/Machinist* / B - Advance Occupational
Rationale for adding this course to the curriculum	Last course update 2007
Units	7

SECTION B

Typical classroom assessment techniques

Quizzes --
Lab Activities --
Final Exam --
Mid Term --

Additional assessment information:

Students will be given written weekly quizzes covering assigned reading and weekly lectures. (example: quizzes consisting of identification and multiple choice questions).
Students will be given a written midterm exam and a written final exam. (example: a midterm and a final exam consisting of multiple choice and identification questions).
Students will complete weekly lab assignments. (example: lab assignment #1, machining of a diametral pitch spur gear).

Letter Grade or P/NP

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments
   1. Students will be required to read their notes from lab lectures in order to perform their lab assignments (example: notes on lecture regarding lab assignment #1, machining of a diametral pitch spur gear).
   2. Students will be required to read weekly assignments from the textbooks in preparation for lectures and for lab assignments (example: section on gear calculations, "Machine Tool Practices", Kibbe, et al. textbook).
B. Writing Assignments
   1. Students will be required to read the assigned portions of the textbook to determine the correct procedure for machining a part(example: section on gear cutting, "Machine Tool Practices", Kibbe, et al. textbook).
   2. Students will be required to take notes on the procedures for completion of lab assignments (example: notes on lecture regarding lab assignment #1, machining of a diametral pitch spur gear).
   3. Students will analyze the drawings given to them and formulate a strategy for machining the assigned part (example: drawing for machining a diametral pitch spur gear).
C. Other Assignments
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7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author:	Kibbe, Neely, Meyer, & White
Title:	Machine Tool Practice
Publisher:	Prentice-Hall
Date of Publication:	2015
Edition:	10th

Book #2:

Author:	Oberg, Jones, Horton, & Ryffel
Title:	Machinery's Handbook
Publisher:	Industrial Press
Date of Publication:	2016

Edition: 30th

B. Other required materials/supplies.