

08-80



Minnesota State University, Mankato HOLD and CLEAR buttons only compatible with Acrobat V. 4 and 5 Curriculum Proposal



Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

(Check all that apply):		Proposal #	209
College: Science, Engineering and Technology	<input checked="" type="checkbox"/> Undergraduate	Effective Date of Change:	
Department: Automotive and Manufacturing Engineering	<input type="checkbox"/> Graduate	Academic Year	07-08
Program: Manufacturing Engineering Technology	CIP #	(For Office Use Only)	
Type of Change	COURSE PROPOSALS	Course Designator and Number	Number of Credits
Proposed:	Change in Course—Other	MET 407	4
Title Current:	Manufacturing Resource Planning and Control		
Title Proposed:	same		
24-Char. Abbrev:	same		(if applicable)

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):
Strategic plant resource management for global manufacturing applications through hard and soft technology integrated supply chain management. Approaches examine and practice continuous improvements to the value stream related to design integration, production scheduling, staffing, facilities planning, and material flow. Pre: Junior status in program of discipline, or basic manufacturing and design knowledge in industry sector discipline and background in elementary statistics.

Rationale or Justification for change:

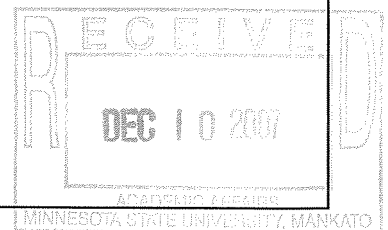
More concise course description length. Update in program based pre-requisites.

*****For General Education or Cultural Diversity Courses Only*****

General Education Course:		Cultural Diversity Course:
GE Category #	GE Category Name (Maximum of 3 Categories)	(Please check one.)
N/A		<input type="checkbox"/> Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)
N/A		<input type="checkbox"/> Related (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)
N/A		
? For Writing Intensive Courses, attach a description of the kind and quantity of writing. ? For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.		
Attach paper copies of the following:		
a. Syllabus or course outline.		
b. Course's student learning outcomes associated with each GE competency or CD designation.		
c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.		

*****For New Courses*****

(Check all that apply):	Instructional Type: Lecture	Course will be offered:
<input type="checkbox"/> Course is an elective.	Grading Format: <input type="checkbox"/> Grade <input type="checkbox"/> P/N	<input type="checkbox"/> Fall Semester
<input type="checkbox"/> Course is required for program		<input type="checkbox"/> Spring Semester
<input type="checkbox"/> Pre- or Co-requisites:		<input type="checkbox"/> Summer Session
<input type="checkbox"/> Other courses are being changed or eliminated. (Explain.)		
<input type="checkbox"/> Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)		
Attach paper copies of the following:		
a. Syllabus or course outline.		
b. Course's student learning outcomes.		
c. A list of resources required to offer and support this course.		
d. A description of how teaching this course will affect department staffing.		
e. If 400/500 level course, an explanation of added expectations of graduate students.		





Minnesota State University, Mankato
Curriculum Proposal

Signature Page

Department

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

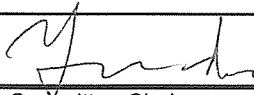
 10/19/07

 Department Chair Date

Comments:

College Curriculum Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

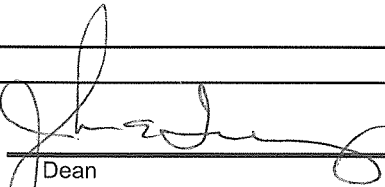
 12/7/07

 Committee Chair Date

Comments:

College Dean

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 12/8/07

 Dean Date

Comments:

General Education Subcommittee

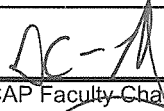
Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 General Education Subcommittee Chair Date

Comments:

Undergraduate Curriculum and Academic Policy Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 3/2/08

 UCAP Faculty Chair Date

Comments:

Faculty Association Graduate Committee

Recommended
 Not Recommended

 Faculty Association Graduate Chair Date

Comments:

Graduate Dean

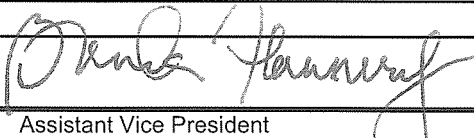
Recommended
 Not Recommended

 Graduate Dean Date

Comments:

Academic Affairs Council

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

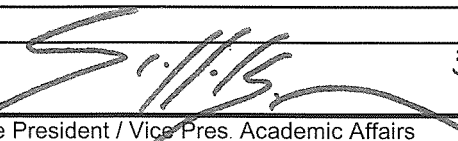
 3/14/08

 Assistant Vice President Date

Comments:

Senior Vice President and Vice President for Academic Affairs

Approved (Category/ies _____)
 Not Approved (Category/ies _____)

 3/14/08

 Sr. Vice President / Vice Pres. Academic Affairs Date

Comments:

CURRENT**MET 407 (4) Manufacturing Resource Planning and Control**

Planning and control of plant resources in globally competitive manufacturing environments. Studies hard and soft technology assets applied to systematic resource management in the manufacturing supply chain. Approaches to manufacturing layout, material flow, and inventory issues are examined. Evaluation of demand patterns and product mix are discussed in selection and application of traditional, contemporary or mixed production and inventory control methods. Examines arrangement and layout of physical facilities and modern techniques for efficient utilization of production space. Decision making tools and techniques to engage employees in product production improvement are studied and applied through a variety of simulation methods.

Pre: MET 245 and MET 277

NEW**MET 407 (4) Manufacturing Resource Planning and Control**

Strategic plant resource management for global manufacturing applications through hard and soft technology integrated supply chain management. Approaches examine and practice continuous improvements to the value stream related to design integration, production scheduling, staffing, facilities planning, and material flow. Pre: Junior status in program of discipline, or basic manufacturing and design knowledge in industry sector discipline and background in elementary statistics.

Rationale or Justification:

More concise course description length and terminology to reflect heighten global supply chain applications. Updated program based pre-requisites to serve the order of course offerings for MET undergraduate majors, and meet the preparation required for other major and industry student to be successful with course content.