

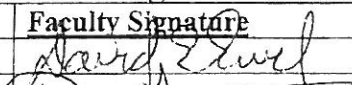

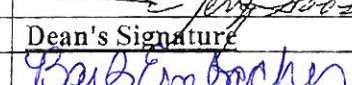
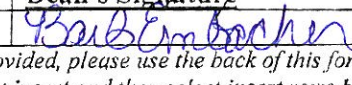
Appendix B

New Course or Course Change Proposal Form

Date of Proposal: October 1, 2013						
Author: David Ewel						
Proposal Type:	<input checked="" type="checkbox"/> New Course	<input type="checkbox"/> Modify Course		<input type="checkbox"/> Delete Course		
Contact for the Course: David Ewel, Doug Laven						
Course Designator, Number and Title: MECA 1223, Mechanical Systems I						
Number of Credits: 3						
Prerequisites: PHYS 101 or equivalent. MATH 0085 or score of 56 or higher on arithmetic portion of the Accuplacer Test.						
<p>Course Description:</p> <p>This course includes an introduction to mechanical drawings, Geometric Dimensioning & Tolerancing and simple machines. The student will study the application and kinematic motion of simple machines elements. In addition, lab work will emphasize the safe use of hand tools, portable power tools and mechanical measuring tools and instruments. Troubleshooting of mechanical systems will be emphasized. Technical writing skills and safety procedures will be implemented throughout the course.</p>						
Grading Method:	<input checked="" type="checkbox"/> Grade (x)			<input type="checkbox"/> Pass/Fail		
Scheduling:	<input checked="" type="checkbox"/> Fall	<input type="checkbox"/> Spring	<input type="checkbox"/> Summer	<input type="checkbox"/> Alternate Years	<input type="checkbox"/> Variable	<input type="checkbox"/> On Demand
Instructional Type:	<input checked="" type="checkbox"/> Lecture (2)	<input type="checkbox"/> Lab (1)	<input type="checkbox"/> Lecture/Lab	<input type="checkbox"/> Internship	<input type="checkbox"/> Seminar	
(*)Class Maximum: (For New Courses Only) / All Unlimited faculty members of a program or discipline must sign.						
Faculty Name	Faculty Signature		Class Max	Date		
David Ewel	<i>David Ewel 10/4/13</i>		24	October 4, 2013		
Doug Laven	<i>Doug Laven</i>		24	October 4, 2013		
<i>Jerry Soost</i>	<i>Jerry Soost</i>		<i>24</i>	<i>11-13-13</i>		
Dean's Name	Dean's Signature			Date		
<i>X BARB EMBACHER</i>	<i>Barb Embacher</i>			<i>10/21/13</i>		
If there is not enough space provided, please use the back of this form for additional signatures or click on a row with the right button of the mouse, select insert and then select insert rows below to add rows to the table.						
Is this Course Proposed as a Liberal Arts Course:				<input type="checkbox"/> Yes	<input type="checkbox"/> No (x)	
If Yes, Which MnTC Area/Area(s) Will it Fulfill (http://www.mntransfer.org)?						
Is This Course a Requirement/Elective for a Specific Program or Programs?				<input type="checkbox"/> Yes	<input type="checkbox"/> No (x)	
If Yes, Which Program(s)?						
Describe What is Changing/Being Added, and the Rationale:						
Modifications have been made to this course so it can be implemented into the new 60 credit program plan.						
What Impact Will This New Course or Change Have on Other Programs or Areas? These changes will enhance the Mechatronics program by allowing the students to have a better understanding Mechanical Systems.						

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New Course or Course Change Proposal Form

Date of Proposal: October 1, 2013						
Author: David Ewel						
Proposal Type:		(*)New Course		Modify Course		Delete Course
Contact for the Course: David Ewel, Doug Laven						
Course Designator, Number and Title: MECA 2123, Mechanical Systems II						
Number of Credits: 3						
Prerequisites: MECA 1223 Mechanical Systems I						
<p>Course Description:</p> <p>This course includes an introduction to mechanical drives, bearing mechanisms, shaft alignment, shaft coupling, clutches and brakes. Also included is an introduction to industrial rigging using slings, hoists, cranes, scaffolds and ladders. Troubleshooting of mechanical systems will be emphasized. Technical writing skills and safety procedures will be implemented throughout the course.</p>						
Grading Method:		Grade (x)		Pass/Fail		
Scheduling:	Fall	Spring	Summer	Alternate Years	Variable	On Demand
Instructional Type:	Lecture (2)	Lab (1)	Lecture/Lab	Internship	Seminar	
(*)Class Maximum: (For New Courses Only) / All Unlimited faculty members of a program or discipline must sign.						
Faculty Name		Faculty Signature		Class Max	Date	
David Ewel				24	October 1, 2013	
Doug Laven				24	October 1, 2013	
Jerry Soost				24	October 1, 2013	
Dean's Name		Dean's Signature			Date	
X BARB EMPACHER					Oct 2, 13	
<p><i>If there is not enough space provided, please use the back of this form for additional signatures or click on a row with the right button of the mouse, select insert and then select insert rows below to add rows to the table.</i></p>						
Is this Course Proposed as a Liberal Arts Course:					Yes	No (x)
If Yes, Which MnTC Area/Area Will it Fulfill (http://www.mntransfer.org)?						
Is This Course a Requirement/Elective for a Specific Program or Programs?					Yes	No (x)
If Yes, Which Program(s)?						
Describe What is Changing/Being Added, and the Rationale:						
This course has been added so it can be implemented into the new 60 credit program plan.						
What Impact Will This New Course or Change Have on Other Programs or Areas? These changes will enhance the Mechatronics program by allowing the students to have a better understanding of advanced Mechanical Systems.						