**PROPOSAL SUMMARY AND ROUTING FORM**

**Proposal Title:** Delete MECH 340 as a prerequisite course requirement for WELD 412.

**Initiating Unit or Individual:** Welding Engineering Technology  
**Contact Person's Name:** Jeff Carney  
**e-mail:** carneyj@ferris.edu  
**phone:** x2952  
**Date or Term of Proposal Implementation:** Fall 2011

- Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV - Off-Campus Programs

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* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

**To be completed by Academic Affairs**

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<th>President (Date Approved)</th>
<th>Board of Trustees (Date Approved)</th>
<th>President's Council (Date Approved)</th>
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**VPAA**  
MAY 18 2010  
PROVOST
1. Proposal Summary

(Summary is generally less than one page. Briefly state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)

A previous curriculum proposal effective in Spring 2008 removed MECH 340 from the Welding Engineering Technology BS degree curriculum. During the processing of that proposal MECH 340 was overlooked and not removed as a prerequisite for WELD 412 – Computer Aided Weldment Design. This proposal is being submitted to correct this error.

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:
Prefix    Number    Title

b. Courses to be Deleted From FSU Catalog:
Prefix    Number    Title

c. Existing Course(s) to be Modified:
Prefix    Number    Title
WELD 412 Computer Aided Weldment Design

d. Addition of existing FSU courses to program
Prefix    Number    Title

e. Removal of existing FSU courses from program
Prefix    Number    Title

*Contact Senate Secretary or UCC Chair if spaces for additional courses are needed.
MODIFY COURSE
Course Data Entry Form

FORM F

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:
1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
2. If either prefix or number is being changed, use ‘Delete Course’ and ‘Create New Course’ forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below): Remove MECH 340 as a prerequisite for WELD 412 (p); Revise catalog description to reflect prerequisite change (m).

b. Term Effective (6 digit code only): 201108 Examples: 200801(Spring), 200805(Summer), 200808(Fall)
Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix: WELD
b. Number: 412

LECTure □ LAB □ INDependent Study – Check (x) ☐
Practicum: □ Seminar: □

d. Course Title: WELD 412 – Computer Aided Weldment Design

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix: WELD
b. Number: 412

c. Enter Contact Hours per week in boxes.

LECTure □ LAB □ INDependent Study – Check (x) ☐
Practicum: □ Seminar: □

d. Course Title: (Limit to 30 characters/spaces.)

e. College Code: □ f. Department Code: □

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: □ Variable □ Fixed h. Maximum Credit Hours □ i. Minimum Credit Hours □

j. May Be Repeated for Added Credit: Check (x) Yes □ No

k. Levels: Check (x) □ Undergraduate □ Graduate □ Professional

l. Grade Method: Check (x) □ Normal Grading □ Credit/No Credit only (Pass/Fail)

m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.
Application of computer aided drafting, material selection, and finite element analysis software and hardware to facilitate the process of designing weldments. Mechanical and shape properties of materials utilized to determine and analyze weldment design functionality. Design approach methods and programs are addressed. Engineering economic methods are applied to weldment design and processes selection. Students will be required to solve several weldment design problems. Prerequisite: WELD 393. Typically Offered Fall Only

n. Term(s) Offered: (See instructions for listing.)
o. Max. Section Enrollment: □

p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces. Prerequisite: WELD 393

UCC Chair Signature/Date: __/__/____ Academic Affairs Approval Signature/Date: __/__/____

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
□ Basic Skill (BS) □ General Education (GE) □ Occupational Education (OC) □ G.E. Codes

Office of the Registrar use ONLY

Date Rec’d: ____ Date Completed: ____ Entered: SCACRSE _ SCADETL _ SCARRES _ SCAPREQ _