PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION,
OR REVISION OF A COURSE

EFD
SCHOOL DOCUMENT NO. 70-00

GRADUATE COUNCIL DOCUMENT NO. _____

DEPARTMENT Agricultural + Biological Engineering   DATE SUBMITTED 5/9/01   DATE EFFECTIVE Summer '01

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

PURPOSE

1. Deletion of a course
2. New course with supporting documents
3. Add existing course offered at another campus
4. Change in course number at same level
5. Downgrading of course level
6. Upgrading of course level
7. ✔ Change in course title

8. Change in semesters offered
9. Change in course credit/type
10. Change in course attributes
11. Change in instructional hours
12. Change in prerequisites
13. ✔ Change in description of course content
14. Transfer of course from one dept. to another

EXISTING:	PROPOSED:	SEMESTERS OFFERED

EXISTING:
Subject Abbreviation ABE
Course Number 320

PROPOSED:
Subject Abbreviation ABE
Course Number 320

SEMESTERS OFFERED
Check All That Apply.
Summer   Fall ✔   Ag Winter   Spring

Proposed Title Solid Modeling, Dynamic Simulation, and Analysis
Variable Title   Yes ___   No ✔

Abbreviated Title Sld Mod Dyn Sim Analys
Abbreviated title will be entered by the Office of the Registrar if omitted.   (22 CHARACTERS ONLY)

CROSS LISTED COURSES

CREDIT TYPE
1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:
   Minimum Cr. Hrs _____
   (Check One) To ___ Or ___
   Maximum Cr. Hrs. _____
3. Equivalent Credit: Yes ___ No ___
4. Thesis Credit: Yes ___ No ___

COURSE ATTRIBUTES: Check All That Apply.
1. Pass/Not Pass Only
2. Repeatable for Credit
3. Available for Credit by Examination
4. Designator Required
5. Special Fees
6. Approval Required for Enrollment
   Department
   Instructor

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	CAMPUS(ES) INVOLVED
Primary	1		Auto-tutorial			Thesis			Calumet
Secondary			Ind. Study			Observation			Fort Wayne
Laboratory	4		Clinic			Matls Based			Indianapolis
Lab. Prep.			Experiential						North Central
									West Lafayette ✔
									Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):
Sem. 1. Class 1, lab. 4, cr. 3. Prerequisite: CE 273 and MA 262. Corequisite: ME 274.
Introduction to parametric, feature-based solid modeling; dimensioned 2D and 3D engineering drawings; tolerancing; mechanical dynamic simulation; kinematic models, analysis and simulation of simple linkages and complex systems; mechanism design and evaluation; visualization and animation of results; interfacing of computer aided engineering software. Projects involving industrial parts and assemblies will be discussed and assigned.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date

Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor	Date
				Appr. for Faculty C.D. Sutton, Chair	#944 2/14/01

Indianapolis Department Head	Date	Indianapolis School Dean	Date	Undergrad Curriculum Committee	Date
		Carl A. Bracelt 5/10/01 North Central Vice-Chancellor Dean-Ag			

North Central Department Head	Date		Date	Date Approved by Graduate Council	
Kumar B 5-9-01					

West Lafayette Department Head	Date	West Lafayette School Dean - Engr	Date	Graduate Council Secretary Debra Sheets 5/30/01	Date

Graduate Area Committee Convener	Date	Graduate Dean	Date	West Lafayette Registrar	Date

OFFICE OF THE REGISTRAR