Office of the Registrar
FORM 40 REV. 9/06

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

EFD 31-11

DEPARTMENT: Mechanical Engineering
EFFECTIVE SESSION: Summer Spring 2011

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

- [ ] 1. New course with supporting documents
- [ ] 2. Add existing course offered at another campus
- [ ] 3. Expiration of a course
- [ ] 4. Change in course number
- [ ] 5. Change in course title
- [ ] 6. Change in course credit/type
- [ ] 7. Change in course attributes (department head signature only)
- [ ] 8. Change in instructional hours
- [ ] 9. Change in course description
- [x] 10. Change in course requisites
- [ ] 11. Change in semesters offered (department head signature only)
- [ ] 12. Transfer from one department to another

PROPOSED:		EXISTING:	
Subject Abbreviation		Subject Abbreviation	ME
Course Number		Course Number	27400
Long Title	Basic Mechanics II		
Short Title	Basic Mechanics II		

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

TERMS OFFERED
Check All That Apply:
[x] Summer [x] Fall [x] Spring

CAMPUS(ES) INVOLVED
- [ ] Calumet
- [ ] Cont Ed
- [ ] Ft. Wayne
- [ ] Indianapolis
- [ ] N. Central
- [ ] Tech Statewide
- [x] W. Lafayette

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. Satisfactory/Unsatisfactory Only [ ]
3. Repeatable [ ]
Maximum Repeatable Credit: [ ]
4. Credit by Examination [ ]
5. Designator Required [ ]
6. Special Fees [ ]
7. Registration Approval Type
Department [ ] Instructor [ ]
8. Variable Title [ ]
9. Remedial [ ]
10. Honors [ ]
11. Full Time Privilege [ ]
12. Off Campus Experience [ ]

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture	50	3	15		Syn	Live
Recitation						
Presentation						
atory						
rep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

ME 27400 Basic Mechanics II
Sem. 1 and 2 SS. Class 3, cr. 3.
Prerequisite: ME 27000 or equivalent and ENGR 13200. Concurrent Prerequisite: MA 26200 or MA 26600
Review and extension of particle motion to include energy and momentum principles. Planar kinetics of rigid bodies. Kinetics for planar motion of rigid bodies including equations of motion and principles of energy and momentum. Introduction to three-dimensional kinematics of rigid bodies. Introduction to linear vibrations with emphasis on single-degree-of-freedom systems.

	Date		Date
Calumet Department Head		Calumet School Dean	
Fort Wayne Department Head		Fort Wayne School Dean	
Indianapolis Department Head		Indianapolis School Dean	
North Central Department Head		North Central Chancellor	
West Lafayette Department Head	11/2	West Lafayette College/School Dean	2/16/11
		West Lafayette Registrar	2/23/11

OFFICE OF THE REGISTRAR

2/22/11

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FORM 40 REV. 9/06

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EFD 3 1 - 11

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EFFECTIVE SESSION: Spring 2011

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Prerequisite: ME 27000 or equivalent and ENGR 13200. Concurrent Prerequisite: MA 26200
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West Lafayette Department Head	11/2	West Lafayette College/School Dean	2/16/11
		West Lafayette Registrar	

OFFICE OF THE REGISTRAR

TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: **ME 274**00 Prerequisite Changes

The Faculty of the School of Mechanical Engineering has approved the following prerequisite change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

ME 27400 **Basic Mechanics II**

Sem. 1, 2, & 3 Class 3, cr. 3
Prerequisite: ME 27000-Basic Mechanics I or equivalent
Concurrent Prerequisite: MA 26200-Linear Algebra and Differential Equations

Review and extension of particle motion to include energy and momentum principles. Planar kinetics of rigid bodies. Kinetics for planar motion of rigid bodies including equations of motion and principles of energy and momentum. Introduction to three-dimensional kinematics of rigid bodies. Introduction to linear vibrations with emphasis on single-degree-of-freedom systems.

To:

ME 27400 **Basic Mechanics II**
Sem. 1, 2, & 3 Class 3, cr. 3
Prerequisite: ME 27000-Basic Mechanics I or equivalent and ENGR 13200-Transforming Ideas to Innovation II
Concurrent Prerequisite: MA 26200-Linear Algebra and Differential Equations or MA 266-Ordinary Differential Equations

Review and extension of particle motion to include energy and momentum principles. Planar kinetics of rigid bodies. Kinetics for planar motion of rigid bodies including equations of motion and principles of energy and momentum. Introduction to three-dimensional kinematics of rigid bodies. Introduction to linear vibrations with emphasis on single-degree-of-freedom systems.

Reason: The added prerequisite of ENGR 13200 is needed because of the course change in the First-Year Engineering program.

James D. Jones

James D. Jones, Associate Professor and Associate Head
School of Mechanical Engineering

APPROVAL FOR THE SCHOOL OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE
ECC Minutes #10
Date 2/2/2011
[illegible] ECC R. Cipra

Engineering Faculty Document 31-11
November 22, 2010

TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: **ME 274**00 Prerequisite Changes

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