

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.

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

PROPOSED: Subject Abbreviation: <input type="text"/> Course Number: <input type="text"/> Long Title: <u>Basic Mechanics II</u> Short Title: <u>Basic Mechanics II</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)</small>	EXISTING: Subject Abbreviation: <u>ME</u> Course Number: <u>27400</u>	TERMS OFFERED Check All That Apply: <input checked="" type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring CAMPUS(ES) INVOLVED <input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis
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CREDIT TYPE 1. Fixed Credit: Cr. Hrs. <u>3</u> 2. Variable Credit Range: <input type="text"/> Minimum Cr. Hrs. <input type="text"/> (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs. <input type="text"/> 3. Equivalent Credit: Yes <input type="checkbox"/> No <input type="checkbox"/> 4. Thesis Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>	COURSE ATTRIBUTES: Check All That Apply 1. Pass/Not Pass Only <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input type="checkbox"/> 3. Repeatable <input type="checkbox"/> Maximum Repeatable Credit: <input type="text"/> 4. Credit by Examination <input type="checkbox"/> 5. Designer Required <input type="checkbox"/> 6. Special Fees <input type="checkbox"/> 7. Registration Approval Type <input type="checkbox"/> Department <input type="checkbox"/> Instructor <input type="checkbox"/> 8. Variable Title <input type="checkbox"/> 9. Remedial <input type="checkbox"/> 10. Honors <input type="checkbox"/> 11. Full Time Privilege <input type="checkbox"/> 12. Off Campus Experience <input type="checkbox"/>
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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						

OFFICE OF THE REGISTRAR
 RECEIVED
 2011 FEB 1 AM 9:19
 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.

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

James D. Jones 11/2: *[Signature]* 2/16/11 *[Signature]* 2/23/11

2/22/11
J

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REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
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EFD 31-11

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Spring 2011

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

EXISTING: Subject Abbreviation ME Course Number 27400

TERMS OFFERED
Check All That Apply:
 Summer Fall Spring

CAMPUS(ES) INVOLVED

<input type="checkbox"/> Calumet	<input type="checkbox"/> N. Central
<input type="checkbox"/> Cont Ed	<input type="checkbox"/> Tech Statewide
<input type="checkbox"/> Ft. Wayne	<input checked="" type="checkbox"/> W. Lafayette
<input type="checkbox"/> Indianapolis	

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

CREDIT TYPE		COURSE ATTRIBUTES: Check All That Apply	
1. Fixed Credit: Cr. Hrs. <u>3</u>	2. Variable Credit Range: <u> </u>	1. Pass/Not Pass Only <input type="checkbox"/>	7. Registration Approval Type <input type="checkbox"/>
Minimum Cr. Hrs. <u> </u>	(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>	2. Satisfactory/Unsatisfactory Only <input type="checkbox"/>	Department <input type="checkbox"/> Instructor <input type="checkbox"/>
Maximum Cr. Hrs. <u> </u>		3. Repeatable <input type="checkbox"/>	8. Variable Title <input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>		Maximum Repeatable Credit: <u> </u>	9. Remedial <input type="checkbox"/>
4. Thesis Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>		4. Credit by Examination <input type="checkbox"/>	10. Honors <input type="checkbox"/>
		5. Designator Required <input type="checkbox"/>	11. Full Time Privilege <input type="checkbox"/>
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Lab Prep						
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Distance						
Clinic						
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Pract/Observ						

Cross-Listed Courses

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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
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.

Calumet Department Head _____	Date _____	Calumet School Dean _____	Date _____
Fort Wayne Department Head _____	Date _____	Fort Wayne School Dean _____	Date _____
Indianapolis Department Head _____	Date _____	Indianapolis School Dean _____	Date _____
North Central Department Head _____	Date _____	North Central Chancellor _____	Date _____
West Lafayette Department Head _____	Date _____	West Lafayette College/School Dean _____	Date _____

James D. Jones
11/2/10

[Signature]
2/16/11

West Lafayette Registrar _____ Date _____

TO: The Engineering Faculty
FROM: The Faculty of the School of Mechanical Engineering
RE: **ME 27400** 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

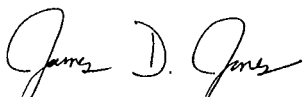
Sem. 1, 2, & 3 Class 3, cr. 3

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, Associate Professor and Associate Head
School of Mechanical Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes #10

Date 2/2/2011

Approved ECC R. Cipra

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To:

ME 27400 Basic Mechanics II

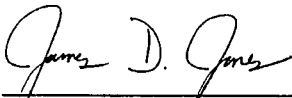
Sem. 1, 2, & 3 Class 3, cr. 3

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

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, Associate Professor and Associate Head
School of Mechanical Engineering

