

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

Print Form

EFD 17-06

DEPARTMENT Civil Engineering

EFFECTIVE SESSION Fall 2007

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                      |

<b>PROPOSED:</b>		<b>EXISTING:</b>		<b>TERMS OFFERED</b> Check All That Apply:	
Subject Abbreviation _____	Subject Abbreviation CE	<input type="checkbox"/> Summer	<input checked="" type="checkbox"/> Fall	<input type="checkbox"/> Spring	
Course Number _____	Course Number 456	<b>CAMPUS(ES) INVOLVED</b>			
Long Title Water and Wastewater Management Treatment		<input type="checkbox"/> Calumet	<input type="checkbox"/> N. Central	<input type="checkbox"/> Cont Ed	<input type="checkbox"/> Tech Statewide
Short Title Water & Wastewater		<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)					

<b>CREDIT TYPE</b>		<b>COURSE ATTRIBUTES: Check All That Apply</b>			
1. Fixed Credit: Cr. Hrs. _____		1. Pass/Not Pass Only	<input type="checkbox"/>	7. Registration Approval Type	Department _____
2. Variable Credit Range: _____		2. Satisfactory/Unsatisfactory Only	<input type="checkbox"/>	8. Variable Title	Instructor _____
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>		3. Repeatable	<input type="checkbox"/>	9. Remedial	
Maximum Cr. Hrs. _____		Maximum Repeatable Credit: _____		10. Honors	
3. Equivalent Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>		4. Credit by Examination	<input type="checkbox"/>	11. Full Time Privilege	
4. Thesis Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>		5. Designator Required	<input type="checkbox"/>	12. Off Campus Experience	
		6. Special Fees	<input type="checkbox"/>		

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)	Cross-Listed Courses	
_____	_____	_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____	_____	_____		
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_____	_____	_____	_____	_____	_____	_____		

**COURSE DESCRIPTION (INCLUDE REQUISITES):**  
Sem. 1. Class 3, cr. 3  
Prerequisites: CE 350 or equivalent with consent of instructor.  
Fundamental concepts and design procedures for the treatment of municipal and industrial water and wastewaters. Problem assessment; determination of water and wastewater characteristics, biological, physical, and chemical treatment methods, process design, and disposal of residues.

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 _____
Central Department Head _____ Date _____	North Central Chancellor _____ Date _____
West Lafayette Department Head <i>MK Bonds</i> 3/28/07	West Lafayette College/School Dean <i>Michael J. ...</i> 4/04/07
	West Lafayette Registrar <i>Sandra Schaffer</i> 4/12/07

4112107  
Jan

RECEIVED  
APR 16 2007  
ENGINEERING  
ADMINISTRATION

November 20, 2006

**TO:** Engineering Faculty  
**FROM:** The Faculty of the School of Civil Engineering  
**RE:** Changes in Undergraduate Level Course CE 456 prerequisites

The faculty of the School of Civil Engineering has approved the following change in prerequisites for an undergraduate level course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**From:** **CE 456 Water and Wastewater Treatment**  
Sem. 1. Class 3, cr. 3  
Prerequisites: CE 352, CE 353. Authorized equivalent courses or consent of instructor may be used in satisfying course pre-requisites.

Fundamental concepts and design procedures for the treatment of municipal and industrial water and wastewaters. Problem assessment; determination of water and wastewater characteristics, biological, physical, and chemical treatment methods, process design, and disposal of residues.

**To:** **CE 456 Water and Wastewater Treatment**  
Sem. 1. Class 3, cr. 3  
Prerequisites: CE 350 or equivalent with consent of instructor.

Fundamental concepts and design procedures for the treatment of municipal and industrial water and wastewaters. Problem assessment; determination of water and wastewater characteristics, biological, physical, and chemical treatment methods, process design, and disposal of residues.

**Reason:** CE 350 provides sufficient technical background for students to take CE 456, which is a senior-level design class. This modification will enable more civil engineering undergraduates to include this important infrastructure design class in their technical elective program of study.

**APPROVED FOR THE FACULTY  
OF THE SCHOOLS OF ENGINEERING  
BY THE COMMITTEE ON  
FACULTY RELATIONS**

\_\_\_\_\_  
M. Katherine Banks, Professor and Head  
School of Civil Engineering

CFR Minutes 14  
Date 1/25/06  
Chairman CFR M. Katherine Banks

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the implementation of data-driven decision-making processes. It provides examples of how data analysis can be used to identify trends, forecast future performance, and optimize resource allocation.

4. The final part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that the data-driven approach remains effective and relevant in a rapidly changing business environment.