Office of the Registrar FORM 40 REV. 11/09

PURDUE UNIVERSITY REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (10000-40000 LEVEL)

EFD 22-10

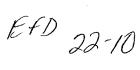
DEPARTMENT Division of Construction Engineering and Management	EFFECTIVE SESSION: Spring 2010 (201020) 20//					
INSTRUCTIONS: Please check the items below which describe the purpose	of this request.					
1. New course with supporting documents	7. Change in course attributes (department head signature only)					
 2. Add existing course offered at another campus 	8. Change in instructional hours					
 3. Expiration of a course 	9. Change in course description					
. 4. Change in course number	10. Change in course requisites					
5. Change in course title	11. Change in semesters offered (department head signature only)					
6. Change in course credit/type	12. Transfer from one department to another					
PROPOSED: EXISTING:	TERMS OFFERED					
Subject Abbreviation CEM Subject Abbreviat	Line I am					
20100	Summer ✓ Fall Spring CAMPUS(ES) INVOLVED					
Course Number 32400 Course Number	Calumet N. Central					
Long Title Human Resource Management In Construction	Cont Ed Tech Statewide					
Long Title Human Resource Management in Construction	Ft. Wayne W. Lafayette					
Short Title Human Resource Mgm/tt in Constr	Indianapolis					
Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHA	RACTERS ONLY)					
CREDIT TYPE	COURSE ATTRIBUTES: Check All That Apply					
	6 Registration Approval Type					
1. Fixed Credit Cr. Hrs. 3.0 11. Pass/Not Pass Only 2. Variable Credit Range: 2. Satisfactory/Unsatisfo						
Minimum Cr. Hrs 3. Repeatable	7 Variable Title					
(Check One) To Or Maximum Repea	table Credit: 8 Honors					
Maximum Cr. Hrs 4. Credit by Examination	n 9 Full Time Privilege					
3. Equivalent Credit: Yes No 🗸 5. Special Fees	10 Off Campus Experience					
Schedule Type Minutes Meetings Per Weeks % of Ci	edit					
Per Mig Week Offered Alloca						
	100					
Recitation Presentation						
Laboratory						
Lab Prep						
Studio						
Clinic						
Experiential						
Research Ind. Study						
Pract/Observ						
COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):						
Prerequisite: CEM 29100 Construction Internship II						
l	rement of people in engineering and construction organizations in the U.S.					
Introduce a broad set of fundamental topics regarding management relationar worker metivate	tion, productivity, and training; roles and practices of managers; construction					
	ion, productivity, and duming, roles and pressures of management					
safety; management of quality. *COURSE LEARNING OUTCOMES						
Students will enhance communication skills and understand t	nanagerial aspects of the engineering and construction industry.					
Upon successful completion of this course, students will gain	knowledge in:					
* the background, principal laws and practices concerning la	bor-management relations for union and nonunion jobs.					
* current management practices involving worker supply an	d demand, workforce training, EEO and workforce diversity, professional					
lethics and construction safety.	•					
* how to become an effective manager in engineering and co	Instruction organizations.					
Calumet Department Head Dete Calumet School Dean	Date					
Calumet Department Head Date Calumet School Dean						
	an Date					
Fort Wayne Department Head Date Fort Wayne School Dea	III Date					
Indianapolis Department Head Date Indianapolis School De	an Date					
North Central School Deah Date	Page Andomia Affaira					
North Central Vice Cha	ncellor/for Academic Affairs					
118 July 14 14 1910 Mishall	1/10 Jon of 1/19/10					
West Lafayette Department Head Date West Lafayette Ollege	/School Bean Date West Lafayette Registrar Date					

OFFICE OF THE REGISTRAR

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PURDUE UNIVERSITY REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (10000-40000 LEVEL)



DEPARTMENT	DMs	on of Construc	tion Engineer	ing and Management	EFFECTIV	E SESSION	Spring 24	010 (201020)	2011	
INSTRUCTIONS:	Please	check the Iter	ns below whi	ch describe the purpose of t	his request.					
	. Nev . Add . Exp . Cha	v course with	n supporting urse offered course se number			8. 9. 10.	Change in Change in Change in	instructional hours course description course requisites		
│ □ 6	. Cha	inge in cours	e credit/type	•		12.	Transfer fo	om o ne departme	nt to another	
PROPOSED: Subject Abbreviation	PROPOSED: EXISTING: TERMS OFFERED									
Course Number			3240	O Course Number				CAN Catumet	MPUS(ES) INVOLVED N. Central	
Long Title Hu	man F	esource M	anagemen	t In Construction				Cont Ed	Tech States W. Lafayett	
		esource M		NST Registrar Komitted, (30 CHARACT	ERS ONLY)			Indianapolis		
<u></u>		TYPE	A ale culton of an	T		COURSE AT	TDIBI ITES: (Check All That Apply		
1. Fixed Credit Cr. H 2. Verlable Credit Ra Minimum Cr. H (Check One) Maximum Cr. I 3. Equivalent Credit	irs. nge: irs To	3.0	Y Y	1. Pass/Not Pass Only 2. Sallefactory/Unsallefactory 3. Repeatable Maximum Repeatable 4. Credit by Examination 5. Special Fees	Only		Registration A	pproval Type irtment	Instructor	
Schedule Type		Minutes	Meetings Per	Weeks % of Credit					Cross-Listed Courses	
Lecture Recitation Presentation Laboratory Lab Prep Studio Distance Clinic Experiential Research Ind. Study Prect/Observ COURSE DESCRIPTI Prerequisite: C Introduce a bros	EM 2	9100 Const	truction inte	nons): ernship II	int of people	in engine	ering and c	construction org	anizations in the U.S.	
Subjects include safety; managei			ent relation	is; worker motivation,	productivity	, and traini	ng; roles a	no practices of	managers, construction	
*COURSE LEA! Students will en Upon successfu * the backgrour * current mana ethics and consi	RNING hance I com id, prin ageme tructio	communice pletion of the properties of the prope	ation skills his course, and praction s involving	and understand mana students will gain knot ces concerning labor-r worker supply and de ngineering and constr	wledge in: nanagemen mand, work	it relations force traini	for union a	and nonunion joi	bs.	
Calumet Department H	ead	,	Dete	Calumet School Dean		Date				
ort Wayne Departmen	tHead		Date	Fort Wayne School Dean		Date				
ndianapolis Departmen	t Head	· ·	Date	Indianapolis School Dean		Date				
North Centrel School D	W	4 12	pate page	North Central Vice Chanceller	Thin	4/4/	6			Date
Vest Lafaverie Departi	HALL HOS	Ø	Date	West Lafayette Obliege/School	i Gean	Date	West	Lafayette Registrar		U ditt

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TO:

The Faculty of the College of Engineering

FROM:

Division of Construction Engineering and Management

RE:

New Undergraduate Course CEM 32400

Human Resource Management in Construction

The Faculty of the Division of Construction Engineering and Management (CEM) has approved the following new course listed below. This action is now submitted to the Engineering Faculty with recommendation for approval.

CEM 32400 Human Resource Management in Construction

Sem. 1, Lecture 3, cr.3.

Prerequisite: CEM 29100 - Construction Internship II and

CEM 30100 - Project Control & Life Cycle Execution of Constructed Facilities

or Department Permission

Description: Introduce a broad set of fundamental topics regarding management of people in engineering and construction organizations in the U.S. Subjects include labor-management relations (laws, regulations and practices affecting construction workers and organizations); worker motivation, productivity, and training; roles and practices of managers; construction safety; management of quality.

Reason: This course will be taught in fulfillment of the Construction Engineering (CNE) degree requirements and will serve as a key component of the Construction Engineering undergraduate curriculum. This course is being taught as CEM 49700 and will continue to be offered in the Fall semester. The syllabus for the proposed course is attached. CEM majors must enroll in this course to fulfill degree requirements.

Makarand Hastak, Professor and Head

Division of Construction Engineering and Management

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

ECC Minutes

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Chairman ECC

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CEM 497 -005: HUMAN RESOURCE MANAGEMENT IN CONSTRUCTION COURSE SYLLABUS, FALL 2009

Class at 12:30-1:20 P.M. Civl 3153 Monday, Wednesday, Friday

Instructor: Victor Gervais, P.E.
Office: Rm. CIVL 1233; Ph: 494-0642; email: vgervais@purdue.edu

Office hours: by appointment, schedule on office door

Teaching Assistant: Eun Ho (Daniel) Oh

Office: Rm. CIVL 1255; Ph: 494-0696; Email: ohe@purdue.edu

Office Hours: TBA

A. COURSE DESCRIPTION, CEM 497 -005

Introduce a broad set of fundamental topics regarding management of people in engineering and construction organizations in the U.S. Subjects include labor-management relations (laws, regulations and practices affecting construction workers and organizations); worker motivation, productivity, and training; roles and practices of managers; construction safety; management of quality.

B. REQUIRED TEXTS

- 1. Sloan, Arthur and Witney, Fred Labor Relations, 13th Edition (2010), Prentice Hall, Upper Saddle River, N.J.
- 2. Carpenter, Mason Managing Effectively Through Tough Times, (2010), Prentice Hall, Upper Saddle River, N.J.
- 3. Kouzes, James and Posner, Barry The Leadership Challenge, 4th Edition (2007), John Wiley, San Francisco, C.A.

Note: Textbooks 1 and 2 are bundled together for a single price.

C. Supplementary References

- 1. Mincks, William R. and Johnston, Hal, 2nd Edition (2004), Delmar Learning, Clifton Park, N.Y.
- D. Vista Blackboard section CEM 497-005 is set up for this course. Lecture notes are available there.

E. OBJECTIVES FOR THE COURSE

- 1. Understand managerial aspects of the engineering and construction industry.
- 2. Know the background and the principal laws and practices concerning labor-management relations for union and nonunion jobs.
- 3. Know current management practices involving worker supply and demand, workforce training, EEO and workforce diversity, professional ethics and construction safety.

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- 4. Gain basic knowledge to help you become an effective manger in engineering and construction organizations.
- 5. Enhance communication skills.

F. STUDENT REQUIREMENTS -- ATTENDANCE AND CONDUCT

Attendance: Students are expected to be present for every meeting of class. In CEM 497 -005 attendance will be taken. You are expected to have **NO MORE THAN TWO UNEXCUSED ABSENCES.** Three unexcused absences will result in a course grade reduction of one letter grade. Four unexcused absences will result in a grade of "F" or "I".

You must request my approval in advance for any excused absence from class, except in case of a bona fide emergency. To gain approval for an excused absence, submit to me a written or e-mailed memorandum. The request should state the day of and the reason for the absence and attach any supporting information. If you will be absent, you must arrange to obtain any handouts distributed in class on the day of absence.

Quizzes, team assignments, exams and other graded work, which is missed due to unexcused absence, cannot be made up.

G. GRADING

	Percentage
Homework	15
Quizzes	15
Exam I	20
Exam II	20
Exam III	20
Leadership Project	10
TOTAL	100

Grade requirements:

H. LEADERSHIP PROJECT

Teams will be assigned to represent management.

Teams will be assigned to represent the a Local of an International Union.

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Each management team and each Local negotiating committee will negotiate a project collective bargaining agreement.

I. HOMEWORK

Timeliness: Homework is due at the beginning of class on the date due. Late homework not turned in by class period but by 5:00 p.m. that same day will receive up to 80 percent of the assigned value. Homework turned in within three class days of the due date will be further devalued at 10 percent per day. Homework more than three days late will receive a maximum of 50 percent of assigned value. Homework will be given a zero after 1 week.

Formats: A written homework paper must constitute an independent, "stand-alone" document when submitted. A statement of the problem or question should appear first, followed by the student's complete response or answer. Properly written homework papers can be read by a third party, for analysis or grading, without reference to any text, assignment sheet or other information. Paper torn from spiral-bound notebooks will not be accepted at any time.

- * Essay-type papers: see Attachment A.
- * Point Papers: see Attachment B.

Word processing: Students are expected to be competent at word processing, including spell-checks. Thorough proofreading of each hand-in assignment is expected.

References: Your written work, where not your original work, must be referenced. Example of a CORRECT reference:

"...the Court concluded, 'We think there is no question that the charges were adequately supported.' [Boilermakers vs. Hardeman, 123 U.S. 516 (1971)]" (1)

References:

(1) Mills, Daniel Q. (1994) Labor-Management Relations, McGraw-Hill, New York, NY. p. 193.

Example of an incorrect reference: "...according to the text, the charges were adequately supported."

ATTACHMENT A. FORMAT FOR ESSAY-TYPE WRITTEN ASSIGNMENTS, CEM 497 -005

Written, essay-type assignments will be submitted with a memorandum heading. This format is commonly practiced in the engineering and construction industry. Use the format below in this course.

MEMORANDUM

TO:

Victor P. Gervais

FROM:

Constant A. Lerner, CEM 497 -005 (initialed)

DATE:

November 15, 2009

SUBJECT:

Current Events in Construction Labor Activities

ALWAYS STATE THE QUESTION OR PROBLEM FIRST.

The SUBJECT statement (above) should be concise – use the fewest words needed to identify the subject clearly.

The student should format the body of the memorandum (the essay) according to good writing practice and to the nature of the subject and the problem statement. Avoid the common error of excessively lengthy paragraphs.

For most essay assignments, a summary and conclusion paragraph is appropriate and necessary.

To produce a written essay of the best quality, I encourage you to ask someone to review your draft or proposed final text and recommend improvements. From a "second set of eyes" you can improve the content, analysis, and logic of your writing, as well as your presentation (grammar, syntax, etc.)

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ATTACHMENT B. POINT PAPERS

The Point Paper is used for a specific purpose: to convey concisely (always one page in this course) the facts and the writer's conclusion about a single issue or topic. Usually the Point Paper is a condensation of considerably more information and analysis known by the writer. It provides a means of communicating to the busy reader a credible, logically supported conclusion with concise supporting background and rationale.

The format for Point Papers in this course follows:

SUBJECT:

Format for Point Papers

FROM:

Constant A. Lerner (initialed)

DATE:

November 15, 2009

BACKGROUND

- "Bullet format" (very short sentences, one thought per point) is used in a Point Paper.
- Background includes all salient facts necessary for understanding the issue.
- Writer provides the most efficient written communication possible; no relevant facts are omitted, no excessive words are used.
- Background normally requires 1/4 to 1/3 page.

DISCUSSION

- Discussion provides writer's analysis of the facts.
- A cogent, logical series of concise observations that support the conclusion should be provided.
- Discussion normally requires 1/3 to 1/2 page.
- After Conclusion is written, check that it is fully supported in Discussion.

CONCLUSION(S)

- Normally a single subject; rarely more than one sentence.
- More than one line may be used if more than one independent conclusion is appropriate.

RECOMMENDATION

- For CEM 497 -005, normally NO "Recommendation" will be appropriate.
- In "Real world" Point Papers, a "Recommendation" is essential.

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		ASSIGNED READINGS/IMPORTANT
WEEK	LECTURE TOPIC	DATES
WEEK 1	Course introduction & administration	Sloane & Whitney
	Organized labor, U.S. industrial	
	relations system	Chapter 1
WEEK 2	History of Unions	Chapter 2,3
	Introduction to labor law	
WEEK 3	Union structure	Chapter 3,4
	Union organization, NLRB	Quiz 1
WEEK 4	Labor contracts	Chapter 5
		Labor-Management Relations
	Collective bargaining	(PDF)
WEEK 5	Grievances, arbitration	Chapter 6
	Workforce motivation & incentives	Quiz 2
WEEK 6	Workforce motivation	EXAM 1
WEEK 7	Nonunion employers, wages, benefits	Chapter 7
		Making Davis-Bacon Work
		(PDF)
WEEK 8	Benefits and administrating the	•
	agreement	Chapter 8,9
		Quiz 3
WEEK 9	Collective Bargaining Exercise	
	(Leadership Project)	
WEEK 10	Diversity, Hiring rules	Chapter 10
		Kouzes & Posner
WEEK 11	Leadership, management skills	Chapter 1 - 4
		Quiz 4
WEEK 12	Leadership, management skills	Chapter 5 - 9
		EXAM 2
WEEK 13	Leadership, management skills	Chapter 10 - 13
		Safety and Health
WEEK 14	Management of Construction safety	Instructional Module (PDF)
		Quiz 5
WEEK 15	Quality Management in construction	
WEEK 16	Guest Speaker (Construction CEO)	
	Ethics in engineering	Ethics Handout (PDF)