


TO: The Faculty of the College of Engineering
FROM: The Faculty of the Division of Construction Engineering and Management
RE: New Course - CEM 48500 Legal Aspects of Construction Engineering

The faculty of the Division of Construction Engineering and Management has approved the following new course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

Course no. CEM 48500 Legal Aspects of Construction Engineering
Semester 1, Lecture 1, Cr. 3
Prerequisite: None

Description: CEM 48500 will cover legal principles and landmark cases relevant to civil and construction engineering. Specific subjects covered include contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, arbitration, patents and copyrights, sureties and ethics.

Reason: CEM 48500 has been offered since the spring of 2010 as CEM 49700 Legal Aspects Construction Engineering. The experimental version has been required and the Faculty has determined the course should be a permanent fixture in the Plan of Study in Construction Engineering.



Makarand Hastak, Ph.D., PE, CCP
Professor and Head of Construction Engineering and Management
Professor of Civil Engineering

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

ECC Minutes 4/29/14

Date 4/29/14

Chairman ECC Jeffrey L. Gray

Tentative Schedule of Topics Covered

August 20:

Overview of the Course; Course administration (e.g. grading, attendance, classroom participation); Engineering ethics; Overview of U.S. judicial system and sources of law.

JTB 2-37

August 27:

Topic: The Engineer's Relationship With His or Her Employer.

JTB 269-304

Handouts from prior week

September 3:

Topic: The Engineer's Professional Liability

JTB 305-369; 312-346

Handouts from prior week

September 10:

Topic: Basic Principles of Contract Law

JTB 56-105

Handouts from prior week

September 17:

Topic: Basic Principles of Contract Law, cont.

JTB 106-140

Handouts from prior week

September 24:

Topic: *Review for Midterm*

October 1:

Midterm Examination

October 8:

No class today – **Fall Break**

October 15:

Topic: Introduction to Construction Contracts

JTB 358-433
Handouts from prior week Construction Contracts

October 22:
Topic: Construction Contracts, cont.

JTB 434-507;
Handouts from prior week

October 29:
MEMORANDUM OUTLINE OF TERM PAPER DUE TODAY
Topic: The Protection of Intellectual Property – Copyrights, Trademarks, Patents, Trade Secrets, Employment Agreements, Covenants Not to Compete

JTB 334-357
Handouts from prior week

November 5:
Topic: Public Contracts: Issues Raised By Spending Public Money

Handouts from prior week

November 12:
Topic: Construction Scheduling: Effects of Delay
Claims and Dispute Resolution

JTB 546-576
Handouts from prior week

November 19: **TERM PAPERS ARE DUE TODAY**

Topic: Insurance & Bonds

JTB 172-187
Handouts from prior week

December 3:
Topic: OSHA and other administrative regulation of the workplace – Review for Final Exam.

Handouts from prior week

December 11:

Finals Week – Date and time of final exam TBA

Assignments and Grading Procedures:

1 Midterm	30%
1 Final Examination (cumulative)	30%
Paper (>20 pgs)	20%
Classroom discussion participation	10%
Classroom presentations	10%

Each student is expected to read all assignments, cases, etc. in advance of class periods, and should be prepared to be called upon in class to debate or lead a discussion related to the assignment.

Guidelines for Term Paper on Case or Legal Topic of Personal Interest

A term paper (maximum 20 pages) should be turned in by the due date. You have a considerable freedom in selecting a topic for this report, but it must be related to a legal issue, and preferably be related to engineering practice. It may be an analysis of selected legal issues related to a specific engineering project, or analysis of recent or emerging government regulations. The paper topic should not concentrate on a single court case, but should focus on policy issues raised by a legal controversy or issue of your choice. These issues may and should be illustrated by two or more example cases, either past cases on which there is a court verdict or pending cases still in litigation. You are required to submit a memo outlining your paper topic and content and secure approval of it before you begin this assignment. You are also encouraged to review drafts of this paper with Mr. Stuckey during the course of the semester.

Late Submission Policy:

No late papers or memoranda will be accepted without prior approval and for good cause shown. You are responsible for managing your schedule so that last-minute emergencies do not prevent you from submitting your work product in a timely fashion.

Selected Due Dates:

Term Paper Outline Submitted for Approval by Instructor: **October 29, 2013**

Term Paper Submittal: **November 19, 2013**

CEM 48500

Office of the Registrar
FORM 40 REV. 5/11

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

201510

EFD 45-14

DEPARTMENT Construction Engineering and Management EFFECTIVE SESSION Fall 2014 (201510)

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

- | | |
|---|---|
| <input checked="" 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 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 CEM

EXISTING:

Subject Abbreviation _____

TERMS OFFERED

Check All That Apply:

- Summer Fall Spring

Course Number 48500

Course Number _____

CAMPUS(ES) INVOLVED

- Calumet N Central
 Cont Ed Tech Statewide
 Ft. Wayne W. Lafayette
 Indianapolis

Long Title Legal Aspects of Construction Engineering

Short Title Legal Aspects Construction Eng

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

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

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. Fees Coop Lab Rate Request
- 6 Registration Approval Type
 Department Instructor
- 7 Variable Title
- 8 Honors
- 9 Full Time Privilege
- 10 Off Campus Experience
- Include comment to explain fee

Schedule Type	Minutes Per Mig	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	150	1	16	100
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

RECEIVED

APR 29 2014

OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Legal principles and landmark cases relevant to civil and construction engineering. Specific subjects covered include contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, arbitration, patents and copyrights, sureties and ethics.

COURSE LEARNING OUTCOMES

Principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligation and responsibilities of engineers. Legal and regulatory concerns relating to the facility acquisition process from an engineer's perspective. Obligations of parties to contracts for professional services, construction and material procurement. Methods of avoiding and resolving disputes between parties to design and construction contracts.

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 Faculty Senate/Chair _____ Date _____ Vice Chancellor for Academic Affairs _____ Date _____

West Lafayette Department Head _____ Date 3/24/14 West Lafayette College/School Dean _____ Date _____

West Lafayette Registrar _____ Date _____

OFFICE OF THE REGISTRAR

[Handwritten signatures and dates]

[Signature] 5/15/2014

LAM 5/1/14