University of California - Berkeley

Course Outline - Construction Safety Management

Extension - EXSP 8710-CA - 3 Units

Instructor: Peter Furst March 23 – June 8, 2009

Mondays 6:30 – 9:30 PM

Course Description/ Requirements

This course is intended to be a survey course that provides an overview of safety management principles, with an emphasis on running a safe project. We will discuss safety management techniques as it applies to the project management staff, the company safety director, as well as senior management. The intent of this course is not to cover the minimal OSHA standard, but to explore innovative methods of management that can be applied to the safety process so as to achieve optimal results in production as well as safety. The text book will serve as the starting point of our journey toward excellence.

We will look at innovative management tools such as lean thinking, six sigma, the balanced scorecard, etc and their applicability to the safety management process. We will explore elemental psychological concepts and their applicability to managing employee behavior and its effect on safe work practices. We will address the integration of the safety process into company operations as well as its alignment with business goals and objectives.

This course is designed to offer practical techniques that can be used in real-life-situations, cover all the vital aspects of safety supervision, and to provide useful insights to management tool to achieve outstanding results.

A. Course Outline & assignment

Class	Date		Assignment	
1.	3/23		Introduction to safety management	-----
2.	3/30		Part 1 – How safety saves lives & money	Ch.1 - 4
3.	4/6		Part 2 – The roll of the chief executive (Task 1)	Ch 5 – 8
4.	4/13		Part 3 – The job-site manager (Task 2)	Ch 9 – 15
xxxxx	4/20		No class - planned per schedule – work on project	------
5.	4/27		Lecture - (**Mid-Term** Ch 1-15)	------
6.	5/4		Part 4 - Line mgt	Ch 16 - 19
7.	5/11		Part 5 – The safety professional (Task 3)	Ch 20 - 25
8.	5/18		Part 6 - Buying safe construction	Ch 26 – 29
9.	5/28	****	Part 7 - New Directions – lecture on innovation	Ch 30 – 31
xxxxx	6/1		No class - Work on project	-----
10.	6/8		***FINAL + project due*** (Task 4)	

******* **Thursday Class** **xxxxx No Class**

B. Method of instruction & Evaluation

1. Instruction
   a. Lecture
   b. Class work
   c. Handouts
2. Grading

a. Class attendance & participation	10 %
b. Assignement	20 %
b. Quizzes	20 %
c. Midterm	20 %
d. Final	30 %
	100 %

You must achieve 70% in your grade to pass the class

B. Testing and quiz schedule

Quizzes - will be unscheduled and based on the reading assignments. Read in preparation for each evening's class. Quizzes can only be made up before the following session – you must call and make arrangements to take the quiz before the next session!

You must read the assignments (about 25-40 pages per week) Read prior to coming to class. Be prepared to discuss the material or be tested on it by a Pop Quizzes!

Tests

Class	Date	test	Chapters
1.	4/27	Midterm	Lectures, handouts, and Ch. 1 - 15
2.	6/8	Final	covers **All material** – greater emphasis on Ch 16 -31

If you have a problem attending on test dates – you must let me know and make alternate arrangements!

Participation – is important – your view of the reading material and its application to your job may be valuable to others in the class; so it is vital that you be here. Also much of the lecture information will not be in the reading material and some of it will be in the test questions, so your attendance is vital. Attendance counts as 10% of your grade**. If you can not come** – you must let me know, peter.furst@gamil.com for an excused absence.

C. Text

Construction Safety Management by Levitt & Samelson, Published by John Wiley & Sons Inc. NY.