

CE 408

ISSUES IN PROFESSIONAL ENGINEERING PRACTICE

Tentative Schedule - Fall 2002

Instructor: Dr. Juan B. Valdés, P.E.

All lectures are held in Room CE 201 from 5:00 - 6:15 PM on Tuesdays and Thursdays except as noted below.			
Date	Topic	Lecturer	Reading*
27-Aug-02	Introduction, professions and professionalism	Dr. Juan B. Valdés, PE	(6) 286-315; 327-328 (9)
29-Aug-02	Types of companies, organization charts, income expenses, profits.	Dr. E. A. Nowatzki, PE URS Corp.	(6) 14-31; 63-69; 89-91 (11)
3-Sep-02	Defining markets, market share, SOQs, public sector QBS, selection process RFQ/SOQ/RFP SOQ project presentation	Mr. Mick Mathieu, PE AMEC Infrastructure	(6) 25-48; 316-329 (12)
5-Sep-02	SOQ project workshop	SAEEMA, Lynn Jager	
10-Sep-02	Profit and loss, communications, project overruns, collecting accounts receivable	Mr. Stan Turney, PE Terracon Consultants	(4) 15-16
12-Sep-02	Types of contracts, general conditions, contractual obligations, contract language, clauses, and pitfalls	Dr. Blaine Reely, PE Golder Associates	(6) 92-112; 244-249 (2); (3)
17-Sep-02	Being sued	Mr. Roger Turk, PE	(4) 17-19; 26-28
19-Sep-02	Alternate dispute resolution methods	Mr. T. McGovern, PE MMLA	(6) 187-213
24-Sep-02	Insurance, general and professional, limitation of liability, loss prevention techniques	Mr. Larry Stuckey, CLU, CPCU Stuckey & Associates	(6) 112-169 (5); (4) 47-52
26-Sep-02	Ethics in Engineering Practice	Dr. E.A. Nowatzki, PE URS Corp.	(8); (1); (13); (14)
1-Oct-02	Proposal - Introduction	Mr. M. Mathieu, PE AMEC Infrastructure	
4-Oct-02	Mid-term Exam		
8-Oct-02	SOQs Due Before Start of Class, room CE206C FE Review - Surveying	Mr. Jack Buchanan,	NOTE
10-Oct-02	FE Review - Water Supply & Waste Water Treatment	Dr. Wendell Ela, PE	Students enrolled in CE 408 at all of the FE Exam review sessions this Fall. Each session is scheduled (3) hours, but individual instructors may vary in length that long to cover all of the review topics.
15-Oct-02	FE Review - Hydrology	Dr. Kevin Lansey, PE	
17-Oct-02	FE Review - Transportation Engineering + Pavement Design	Dr. Mark Hickman, PE	
22-Oct-02	FE Review - Structural Analysis & Design (Steel and Concrete)	Dr. Mo Ehsani, PE	
24-Oct-02	FE Review - Soil Mechanics	Dr. Scott Merry, PE	
26-Oct-02	FE EXAM		
29-Oct-02	Proposal Seminar	Mr. M. Mathieu, PE Dr. Juan Valdes, PE	
31-Oct-02	TQM, value engineering, "partnering," permitting, project closure, client follow-up	Mr. Raul Pina, PE; Collins Pina Mr. James de Groot, City of Marana	(7) Chapter 9
5-Nov-02	Project management - a contractor's perspective	Mr. Gabe Rico J.R. Filanc	
* Numbers in parentheses refer to reference numbers in the attached List of References			

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Date	Topic	Lecturer	Reading*
7-Nov-02	Panel discussion on engineering in public agencies and the private sector (large and small consulting firms)	Mr. David Bell, PE City of Tucson SWM; Mr. Dwight Lind, PE Land Engineering;	Ms. Claudia Perchinelli, PE Structural Grace Dr. Naresh Samtani, PE URS
12-Nov-02	Proposal workshop	SAAEMA	
14-Nov-02	Civil Engineering in the Private Sector (Consulting)	Mr. David Perkins PE Kimley Horne	
19-Nov-02	Civil Engineering in the Public Sector	Mr. Chris Leverenz, PE City of Tucson SWM	
21-Nov-02	Introduction to reading plans and specifications(1)	Dr. E. A. Nowatzki, PE URS Corp.	
26-Nov-02	Introduction to reading plans and specifications (2)	Dr. E. A. Nowatzki, PE URS Corp.	
28-Nov-02	Thanksgiving Holiday		
2-Dec-02	Proposals due by 3pm in room CE206C		
3-Dec-02	Professional registration	Dr. Fred Goldman, PE Goldman, Toy & Assoc.	
4-Dec-02	Proposal presentations	Review Panel TBD	Each group has 25 minutes minutes for its presentation and question/answer period.
5-Dec-02	Proposal presentations	Review Panel TBD	There will be a 5 minute break between groups.
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