

Irvine Institute of Technology, 8659 Research Drive, Irvine, CA 92618 - www.irvine-institute.org - 949-585-9137

C.V. Chelapati, Ph.D., P.E., F. ASCE., President

NCEES PE (Mechanical) License Seminar, Two times a year - Jan- Apr and Aug - October - 12 weeks - Wednesdays - 6:30-9:30pm

Session	Date	Subject Matter	HVACR	MSM	TFS	Instructor	
1	1-Aug-12	Mechanical Systems	Breadth	Breadth	Breadth	Brett Williams, PhD., P.E., Raytheon, El Segundo, CA	
2	8-Aug-12	Materials				Kurt Krause, M.S., Raytheon SAS, El Segundo, CA	
3	15-Aug-12	Thermal Systems	Breadth	Breadth	Breadth	Jalal Torabzadeh. Ph.D., P.E., Professor of Mechanical Engineering, CSULB	
4	22-Aug-12	Fluid Systems					
5	29-Aug-12	HVAC and Refrigeration	Breadth	Breadth	Breadth	Hank Bagheri, Ph.D., P.E., Goss Engineering, Inc. Principal Engineer, Corona, CA	
6	5-Sep-12	HVAC and Refrigeration					
7	12-Sep-12	Mechanical Systems	Depth			Brett Williams, PhD., P.E., Raytheon, El Segundo, CA	
8	19-Sep-12	Materials				Kurt Krause, M.S., Raytheon SAS, El Segundo, CA	
9	26-Sep-12	Thermal Systems		Depth		Jalal Torabzadeh. Ph.D., P.E., Professor of Mechanical Engineering, CSULB	
10	3-Oct-12	Fluid Systems					
11	10-Oct-12	HVAC and Refrigeration			Depth	Hank Bagheri, Ph.D., P.E., Goss Engineering, Inc. Principal Engineer, Corona, CA	
12	17-Oct-12	HVAC and Refrigeration					
Eight Evenings		2 4 Hours	\$445.00	\$445.00	\$445.00	30 hours \$540.00	36 hours \$640.00

Required Manuals for Semianrs

Volume	Sections	Subject	Contributor	Price
I	1	Mechanics of Materials	C.V. Chelapati, Ph.D., P.E.	\$89.95 - 10% discount with seminar
	2	Machine Design	Dipen Gokhale, M.S., P.E.	
	3	Fluid Mechanics	Bodh Subherwal, M.S., P.E.	
	4	Heat Transfer	Bodh Subherwal, M.S., P.E.	
II	5	Dynamics and Vibrations	Bruce J. Torby, Ph.D., P.E.	\$89.95 - 10% discount with seminar
	6	Management of Productions	Bodh Subherwal, M.S., P.E.	
	7	Thermodynamics	Ed Miller, D. Engr, P.E.	
	8	HVAC Systems and Controls	Mahinder Sood, Ph.D., P.E.	
	9	Energy Conversion Systems and Power Plants	Feng S. Ku, M.S., P.E.	

Total Fees \$445.00 for 24 hour seminar, \$540.00 for 30 hour semianr and \$640.00 for 36 hour seminar. \$59.95 for Engineering Economics Archives and Manual. 10% discount for PEDP Books with simultaneous seminar registration

NCEES Fall 2012 Exam - October 26, 2012

Teaching Schedule	First Half - 1hr 30 min	Theory and problems from Manuals
	second half 1 hr 15 min	NCEES Problems from Sample Examples

Textbooks	PEME Manuals Volumes I	PEDP	www.irvine-institute.org
	PEME Manuals Volumes II	PEDP	www.irvine-institute.org
	PEME Sample Problems and Solutions	NCEES	order directly from www.ncess.org

Breadth and Depth Areas	AM portion of the exams is the breadth portion where all the subjects will be covered. The morning problems may be little easier than the depth area problems. One has to specify one of the three areas as depth area for PM. Depth area problems will be much harder than the breadth problems. So the minimum number of hours for the seminar is 24 (3 breadth areas 18 hours plus one depth area 6 hours). Depending on ones background, one may add one another depth area for 30 hours at \$540.00 or take the whole seminar for 36 hours at \$640.00
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Engineering Economics	This is a general subject - There could be 3 to 5 problems on Engineering economics. It is recommended that those who need background on this subject take PE (Civil) Economics Module with a Section 16 manual for \$59.95
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