

**2019-2020 PASSOUT**

Course Code	Subject	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2
FE101	Engineering Mathematics I	2.51	2.44	2.48	2.56	2.00							2.56	2.51	2.00
	Direct Internal														
	Direct External	1.50	1.40	1.45	1.58	1.00							1.57	1.50	1.00
	Direct Total	1.70	1.61	1.66	1.78	1.20							1.77	1.70	1.20
	Indirect Course Feedback	0.43	0.43	0.43	0.43	0.42							0.43	0.43	0.42
FE102	Engineering Physics	1.79	1.72	1.76	1.85	1.38							1.85	1.79	1.38
	Total CO ATT														
	Direct Internal	2.76	2.78	2.81	2.82	2.77					2.84		2.81	2.77	
	Direct External	2.29	2.27	2.40	2.40	2.22					2.50		2.33	2.33	
	Direct Total	2.38	2.37	2.48	2.48	2.33					2.57		2.43	2.42	
FE103	Engineering Fundamentals of Programming Languages I	0.42	0.42	0.42	0.42	0.42							0.42	0.42	
	Total CO ATT	2.33	2.32	2.40	2.41	2.28					2.48		2.36	2.35	
	Direct Internal	3.00	3.00	3.00	3.00	3.00						3.00	3.00	3.00	3.00
	Direct External	3.00	3.00	3.00	3.00	3.00							3.00	3.00	3.00
	Direct Total	3.00	3.00	3.00	3.00	3.00							3.00	3.00	3.00
FE104	Basic Electrical Engineering	0.43	0.43	0.44	0.43	0.43							0.43	0.43	0.43
	Total CO ATT	2.83	2.83	2.84	2.83	2.83							2.83	2.83	2.83
	Direct Internal	2.63	2.63	2.63	2.62	2.85					2.50		2.73	2.63	
	Direct External	2.67	2.64	2.64	2.60	2.67					2.33		2.43	2.67	
	Direct Total	2.66	2.64	2.64	2.60	2.71					2.36		2.49	2.66	
FE105	Basic Civil and Environmental Engineering	0.42	0.42	0.42	0.42	0.41							0.42	0.42	
	Total CO ATT	2.55	2.53	2.53	2.50	2.58					2.31		2.41	2.55	
	Direct Internal	2.81	2.89	2.89	2.89	2.77					2.77	2.89	2.84		
	Direct External	2.86	3.00	3.00	3.00	3.00					3.00	3.00	2.80		
	Direct Total	2.85	2.98	2.98	2.98	2.95					2.95	2.98	2.81		
FE106	Engineering Graphics I	0.43	0.43	0.43	0.42	0.41							0.43	0.43	
	Total CO ATT	2.71	2.82	2.81	2.81	2.77					2.77	2.81	2.68		
	Direct Internal	2.66	2.66	2.69	2.66	2.67					2.66	2.66	2.66	2.62	3.00
	Direct External	2.33	2.33	2.38	2.33	2.29					2.33	2.33	2.33	2.14	3.00
	Direct Total	2.40	2.40	2.44	2.40	2.37					2.40	2.40	2.40	2.24	3.00
FE107	Workshop Practice	0.43	0.43	0.43	0.43	0.43							0.43	0.43	
	Total CO ATT	2.35	2.35	2.39	2.35	2.32					2.35	2.35	2.35	2.22	2.83
	Direct Internal	2.71	3.00	2.89	3.00	3.00					3.00	3.00	2.83		
	Direct External														
	Direct Total	2.71	3.00	2.89	3.00	3.00					3.00	3.00	2.83		
FE107	Indirect Course Feedback	0.44	0.44	0.43	0.44	0.44							0.44	0.44	
	Direct Total	2.71	3.00	2.89	3.00	3.00					3.00	3.00	2.83		



<b>FE108</b>	Engineering Mathematics II	Total CO ATT	2.60	2.84	2.75	2.84	2.75	2.84	2.75	2.83	2.70	2.76	2.83	2.70	2.70	3.00	3.00	3.00		
		Direct Internal	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00						3.00	3.00	3.00	3.00	
		Direct External	2.17	2.17	2.15	2.10	2.10	2.10	2.10	2.10						2.17	2.14	2.17	2.17	
		Direct Total	2.34	2.34	2.32	2.28	2.28	2.28	2.32	2.28						2.34	2.31	2.34	2.34	
		Indirect Course Feedback	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42						0.43	0.42	0.43	0.43	
		Total CO ATT	2.29	2.29	2.28	2.25	2.25	2.25	2.28	2.25						2.29	2.27	2.29	2.29	
<b>FE109</b>	Engineering Chemistry	Direct Internal	2.37	2.42	2.47	2.68	2.47	2.68	2.47						2.50					
		Direct External	2.50	2.60	2.63	3.00	2.63	3.00	2.63						3.00					
		Direct Total	2.47	2.56	2.60	2.94	2.60	2.94	2.60						2.90					
		Indirect Course Feedback	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43						0.43				
		Total CO ATT	2.41	2.48	2.51	2.78	2.51	2.78	2.51	2.78						2.75				
		Total CO ATT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00		3.00	3.00	3.00	3.00	
<b>FE110</b>	Fundamentals of Programming Languages II	Direct Internal	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00		3.00	3.00	3.00	3.00		
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00		3.00	3.00	3.00	3.00		
		Direct Total	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00		3.00	3.00	3.00	3.00	
		Indirect Course Feedback	0.43	0.43	0.43	0.42	0.43	0.42	0.43	0.42			0.43	0.43		0.43	0.43	0.42	0.43	
		Total CO ATT	2.83	2.83	2.83	2.82	2.83	2.82	2.83	2.83			2.83	2.83		2.83	2.83	2.82	2.83	
		Total CO ATT	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39			2.40	2.36		2.45	2.45	2.45	2.31	
<b>FE111</b>	Engineering Mechanics	Direct Internal	2.17	2.17	2.17	2.20	2.17	2.20	2.17			2.25	2.00		2.00	2.00	2.00	2.00		
		Direct External	2.21	2.21	2.21	2.24	2.21	2.24	2.21			2.28	2.07		2.09	2.09	2.09	2.06		
		Direct Total	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43			0.43	0.43		0.43	0.43	0.43	0.44	
		Indirect Course Feedback	2.20	2.20	2.20	2.22	2.20	2.22	2.20	2.22			2.26	2.09		2.11	2.11	2.11	2.09	
		Total CO ATT	2.79	2.82	2.84	3.00	2.84	3.00	2.84	3.00			2.84	2.84		2.75	2.81			
		Total CO ATT	2.67	2.40	2.50	3.00	2.50	3.00	2.50	3.00			2.50	2.50		2.50	2.71			
<b>FE112</b>	Basic Electronics Engineering	Direct Internal	2.69	2.48	2.57	3.00	2.57	3.00	2.57			2.57	2.07		2.55	2.73				
		Direct External	0.41	0.41	0.42	0.40	0.42	0.40	0.42	0.40			0.41	0.41		0.41	0.41			
		Direct Total	2.57	2.40	2.47	2.80	2.47	2.80	2.47	2.80			2.47	2.47		2.45	2.59			
		Indirect Course Feedback	2.56	2.58	2.50	2.79	2.50	2.79	2.50	2.79			2.11	2.66		2.57				
		Total CO ATT	2.53	2.46	2.50	3.00	2.50	3.00	2.50	3.00			2.40	2.40		2.50				
		Total CO ATT	2.54	2.48	2.50	2.96	2.50	2.96	2.50	2.96			2.45	2.45		2.51				
<b>FE113</b>	Basic Mechanical Engineering	Direct Internal	0.44	0.44	0.43	0.44	0.43	0.44	0.44			0.44	0.43		0.44					
		Direct External	2.46	2.42	2.43	2.80	2.43	2.80	2.43	2.80			2.40	2.40		2.45				
		Direct Total	2.17	2.13	2.12	2.11	2.12	2.11	2.12	2.11			2.17	2.33		2.17	2.33	2.00		
		Indirect Course Feedback	2.17	2.13	2.12	2.11	2.12	2.11	2.12	2.11										
		Total CO ATT	2.54	2.50	2.46	2.54	2.46	2.54	2.46	2.54			2.53	2.62		2.62	2.62	2.52	2.52	
		Total CO ATT	2.17	2.13	2.12	2.11	2.12	2.11	2.12	2.11										
<b>FE114</b>	Engineering Graphics II	Direct Internal	2.17	2.13	2.12	2.11	2.12	2.11	2.12			2.17	2.33		2.17	2.33	2.00			
		Direct External	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43						0.43	0.43	0.44		
		Direct Total	2.17	2.13	2.12	2.11	2.12	2.11	2.12	2.11						2.17	2.29	2.04		
		Indirect Course Feedback	2.17	2.13	2.13	2.11	2.13	2.11	2.13	2.11						2.17	2.29	2.04		
		Total CO ATT	2.54	2.50	2.46	2.54	2.46	2.54	2.46	2.54			2.53	2.62		2.62	2.62	2.52	2.52	
		Total CO ATT	2.17	2.13	2.12	2.11	2.12	2.11	2.12	2.11										



**PRINCIPAL**  
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<b>CE201</b>	Discrete Mathematics	1.93	1.94	2.00	2.07	1.94	2.00	1.75	2.00	2.00
	Direct Total	2.05	2.05	2.09	2.16	2.06	2.02	1.91	2.12	2.10
	Indirect Course Feedback	0.41	0.41	0.41	0.41	0.41	0.42	0.41	0.42	0.41
	Total CO ATT	2.05	2.05	2.09	2.15	2.06	2.04	1.94	2.12	2.10
	Direct Internal	1.90	1.93	1.91	1.75	1.75		1.88	1.95	1.83
<b>CE202L</b>	Digital Electronics and Logic Design	2.83	2.81	2.81	2.83	2.83		2.80	2.83	2.77
	Direct Total	2.64	2.63	2.63	2.61	2.61		2.62	2.65	2.58
	Indirect Course Feedback	0.42	0.42	0.42	0.42	0.42		0.42	0.42	0.42
	Total CO ATT	2.53	2.52	2.52	2.51	2.51		2.51	2.54	2.48
	Direct Internal	1.98	2.00	2.03	2.00	2.02		2.01	2.02	2.02
<b>CE203L</b>	Data Structures and Algorithms	2.89	2.87	2.87	2.91	2.90		2.90	2.86	2.87
	Direct Total	2.71	2.70	2.70	2.73	2.72		2.72	2.69	2.70
	Indirect Course Feedback	0.42	0.42	0.42	0.42	0.42		0.42	0.42	0.42
	Total CO ATT	2.58	2.57	2.58	2.60	2.60		2.59	2.57	2.58
	Direct Internal	2.79	2.78	2.79	2.80	2.77				2.79
<b>CE204</b>	Computer Organization and Architecture	2.63	2.33	2.65	2.71	2.78				2.71
	Direct Total	2.66	2.42	2.68	2.73	2.78				2.73
	Indirect Course Feedback	0.41	0.42	0.42	0.42	0.41				0.42
	Total CO ATT	2.54	2.35	2.56	2.60	2.64				2.60
	Direct Internal	2.01	2.10	2.09	2.17	2.02		2.04	2.02	2.01
<b>CE205L</b>	Object Oriented Programming	2.38	2.53	2.33	2.19	2.33		2.30	2.33	2.33
	Direct Total	2.31	2.44	2.28	2.19	2.27		2.25	2.27	2.27
	Indirect Course Feedback	0.42	0.42	0.42	0.42	0.42		0.42	0.42	0.42
	Total CO ATT	2.26	2.37	2.25	2.17	2.23		2.22	2.23	2.23
	Direct Internal						2.30	2.56	2.33	2.36
<b>CE206</b>	Soft Skills									
	Direct Total									
	Indirect Course Feedback						0.42	0.42	0.42	0.42
	Total CO ATT						2.26	2.47	2.28	2.31
	Direct Internal	2.29	2.29	2.29	2.29	2.29				2.29
<b>CE207</b>	Engineering Mathematics III	1.67	1.67	1.62	1.67	1.67				1.67
	Direct Total	1.79	1.79	1.75	1.79	1.79				1.79
	Indirect Course Feedback	0.42	0.42	0.42	0.42	0.42				0.42
	Total CO ATT	1.85	1.85	1.82	1.85	1.85				1.85
	Direct Internal	2.40	2.38	2.38	2.33	2.33		2.37	2.32	2.41
<b>CE208L</b>	Computer Graphics	2.65	2.67	2.67	2.54	2.64		2.76	2.86	2.43
	Direct Total	2.60	2.61	2.61	2.50	2.58		2.68	2.75	2.42
	Indirect Course Feedback									
	Total CO ATT									
	Direct Internal									





CE312	Technical Communication	Direct Total	1.94	2.67	1.50	2.27	1.82	2.13	1.29	2.25			2.00	2.67	2.00		
		Indirect Course Feedback	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.44			0.44	0.44	0.44	
CE401	High Performance Computing	Total CO ATT	1.99	2.57	1.64	2.25	1.89	2.14	1.47	2.24			2.04	2.57	2.04		
		Direct Internal	2.50	2.63	2.54	2.63	2.54	2.55						2.55	2.50		
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00						3.00	3.00		
		Direct Total	2.90	2.93	2.91	2.93	2.91	2.91						2.91	2.90		
		Indirect Course Feedback	0.43	0.43	0.43	0.43	0.43	0.43						0.43	0.43		
CE402	Artificial Intelligence and Robotics	Total CO ATT	2.75	2.77	2.76	2.77	2.76	2.76	2.76				2.76	2.76	2.75		
		Direct Internal	2.54	2.54	2.54	2.53	2.53	2.56					2.50	2.50	2.56		
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00					3.00	3.00	3.00		
		Direct Total	2.91	2.91	2.91	2.91	2.91	2.91					2.90	2.90	2.91		
		Indirect Course Feedback	0.44	0.44	0.44	0.44	0.44	0.44					0.44	0.44	0.44		
CE403	Data Analytics	Total CO ATT	2.76	2.76	2.76	2.76	2.76	2.77					2.76	2.76	2.77		
		Direct Internal	2.39	2.50	2.91	2.56	2.49					3.00	2.49	2.54	2.56	2.49	
		Direct External	2.67	2.47	2.67	2.50	2.38					2.00	2.40	2.47	2.56	2.50	
		Direct Total	2.61	2.48	2.72	2.51	2.40					2.20	2.42	2.48	2.56	2.50	
		Indirect Course Feedback	0.44	0.45	0.45	0.45	0.45					0.45	0.45	0.45	0.44	0.45	
CE404D	Elective I- Data Mining and warehousing	Total CO ATT	2.53	2.43	2.62	2.46	2.37						2.21	2.38	2.43	2.49	2.45
		Direct Internal	2.43	2.41	2.41	2.41	2.33					2.33		2.33	2.33	2.33	
		Direct External	2.67	2.63	2.63	2.45	2.50					2.50		2.50	2.50	2.50	
		Direct Total	2.62	2.59	2.59	2.44	2.47					2.47		2.47	2.47	2.47	
		Indirect Course Feedback	0.45	0.45	0.45	0.45	0.45					0.45		0.45	0.45	0.45	
CE404B	Elective I- Software Architecture and Design	Total CO ATT	2.55	2.52	2.52	2.40	2.42						2.42	2.42	2.42		
		Direct Internal	2.54	2.54	2.54	2.54	2.52							2.37	2.52	2.54	
		Direct External	2.64	2.64	2.64	2.64	2.67							3.00	2.70	2.64	
		Direct Total	2.62	2.62	2.62	2.62	2.64							2.87	2.66	2.62	
		Indirect Course Feedback	0.00	0.00	0.00	0.00	0.00							0.00	0.00	0.00	
CE405B	Elective II- Software Testing & Quality Assurance	Total CO ATT	2.10	2.10	2.10	2.10	2.11						2.30	2.13	2.10		
		Direct Internal	2.60	2.60	2.60	2.60	2.59							2.48	2.60	2.54	
		Direct External	3.00	3.00	3.00	3.00	3.00							3.00	3.00	3.00	
		Direct Total	2.92	2.92	2.92	2.92	2.92							2.90	2.92	2.91	
		Indirect Course Feedback	0.44	0.44	0.44	0.44	0.45							0.45	0.44	0.44	
CE406	Laboratory Practice I	Total CO ATT	2.78	2.78	2.78	2.78	2.78						2.76	2.78	2.77		
		Direct Internal	3.00	3.00	3.00	3.00	3.00						3.00	3.00	3.00		
		Direct External	3.00	3.00	3.00	3.00	3.00						3.00	3.00	3.00		
		Direct Total	3.00	3.00	3.00	3.00	3.00						3.00	3.00	3.00		
		Indirect Course Feedback															



<b>CE407</b>	Laboratory Practice II	Total CO ATT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
		Direct Internal	2.33	2.36	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
		Direct External	2.83	2.79	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
		Direct Total	2.73	2.70	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
		Indirect Course Feedback																			
<b>CE408</b>	Machine Learning	Total CO ATT	2.73	2.70	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.71
		Direct Internal	2.78	2.73	2.76	2.78	2.81	2.74	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.73
		Direct External	2.29	2.35	2.31	2.31	2.25	2.33	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.43
		Direct Total	2.39	2.43	2.40	2.40	2.36	2.41	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.49
		Indirect Course Feedback	0.44	0.45	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	
<b>CE409</b>	Information and Cyber Security	Total CO ATT	2.36	2.39	2.36	2.37	2.33	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.44
		Direct Internal	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct External	2.80	2.81	2.75	2.83	3.00	2.83	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.74
		Direct Total	2.84	2.85	2.80	2.86	3.00	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.74
		Indirect Course Feedback	0.44	0.44	0.44	0.44	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	
<b>CE410C</b>	Elective III-ERTOS	Total CO ATT	2.72	2.72	2.68	2.74	2.85	2.52	2.74	2.68	2.74	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
		Direct Internal	2.62	2.55	2.87	2.88	3.00	3.00	3.00	2.57	2.77	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	3.00
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Total	2.92	2.91	2.97	2.98	3.00	3.00	3.00	2.91	2.95	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	3.00
		Indirect Course Feedback	0.45	0.45	0.45	0.45	0.45	0.46	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	
<b>CE410D</b>	Elective III- Soft Computing and Optimization Algorithms	Total CO ATT	2.79	2.78	2.83	2.83	2.85	2.84	2.83	2.86	2.78	2.81	2.86	2.78	2.81	2.71	2.71	2.71	2.71	2.71	2.86
		Direct Internal	2.58	2.63	2.61	2.80	2.75	2.74	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
		Direct External	2.83	2.82	2.81	2.85	2.79	2.78	2.78	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
		Direct Total	2.78	2.78	2.77	2.84	2.78	2.77	2.77	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
		Indirect Course Feedback	0.45	0.45	0.45	0.45	0.45	0.46	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	
<b>CE412</b>	Laboratory Practice III	Total CO ATT	2.67	2.67	2.66	2.72	2.67	2.67	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64
		Direct Internal	1.67	1.67	1.67	1.67	1.67	1.69	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.64
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Total	2.73	2.73	2.73	2.73	2.73	2.74	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
		Indirect Course Feedback																			
<b>CE413</b>	Laboratory Practice IV	Total CO ATT	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
		Direct Internal	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Total	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Indirect Course Feedback																			
		Total CO ATT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Internal	2.75	2.69	2.83	2.87		2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
		Direct External																			
		Direct Total																			



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CE411D	BI	Direct External	2.83	2.83	2.89	3.00												2.83	2.50	3.00	
		Direct Total	2.81	2.80	2.88	2.97													2.81	2.51	3.00
		Indirect Course Feedback	0.45	0.45	0.45	0.45													0.45	0.45	0.45
		Total CO ATT	2.70	2.69	2.75	2.83													2.70	2.46	2.85
CE411B	HCI	Direct Internal	2.75	2.75	2.93														2.75		
		Direct External	2.83	2.83	3.00														2.83		
		Direct Total	2.81	2.81	2.99														2.81		
		Indirect Course Feedback	0.45	0.45	0.45														0.45		
CE415	PSW-I	Total CO ATT	2.70	2.70	2.84														2.70		
		Direct Internal																			
		Direct External	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Total	3.00	3.00	3.00														3.00	3.00	3.00
CE414	PSW-II	Indirect Course Feedback																			
		Total CO ATT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		Direct Internal	1.40	1.33	1.35	1.29	1.29	1.33	1.29	1.38	1.29	1.38	1.29	1.38	1.29	1.35	1.31	1.35	1.35	1.35	1.35
		Direct External	2.67	2.73	2.65	2.71	2.65	2.67	2.65	2.69	2.65	2.69	2.65	2.69	2.65	2.65	2.69	2.65	2.69	2.65	2.65
		Direct Total	2.42	2.45	2.39	2.43	2.38	2.40	2.38	2.43	2.38	2.40	2.38	2.43	2.38	2.41	2.39	2.41	2.39	2.39	
		Indirect Course Feedback																			
		Total CO ATT	2.42	2.45	2.39	2.43	2.38	2.40	2.38	2.43	2.38	2.40	2.38	2.43	2.38	2.41	2.39	2.41	2.39	2.39	



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