

Critical Thinking 2007							Critical Thinking 2008					
	Pretest 07			Posttest 07				Pretest 08			Posttest 08	
	N	Mean	SD	Mean	SD	Diff*	N	Mean	SD	Mean	SD	Diff
<b>All Students</b>												
Percentile (0-100)	82	51.94	25.61	57.72	24.60	5.78*	95	55.32	26.81	56.81	27.40	1.49
Total (0-34)	82	16.96	4.25	18.11	4.33	1.15*	95	17.59	4.55	17.95	4.63	0.36
Analytic (0-7)	82	4.70	1.30	4.70	1.30	0.00	95	4.68	1.45	4.79	1.33	0.11
Inference (0-16)	82	7.63	2.30	8.40	2.40	0.77*	95	7.82	2.19	8.21	2.60	0.39**
Evaluation (0-11)	82	4.63	1.89	5.01	2.05	0.38*	95	5.09	1.98	4.95	1.95	-0.14
Induction (0-17)	82	9.88	2.35	10.37	2.48	0.49*	95	10.22	2.78	10.32	2.49	0.10
Deduction (0-17)	82	7.09	2.71	7.74	2.68	0.66*	95	7.36	2.52	7.63	2.90	0.27
<b>60-hour students</b>												
Percentile (0-100)	52	54.90	27.61	63.31	26.04	8.41*	60	55.22	26.59	58.15	27.19	2.93
Total (0-34)	52	17.40	4.70	19.13	4.78	1.73*	60	17.57	4.35	18.18	4.64	0.61
Analytic (0-7)	52	4.67	1.42	4.87	1.36	0.20	60	4.68	1.50	4.82	1.41	0.14
Inference (0-16)	52	7.85	2.49	8.77	2.51	0.92*	60	7.90	2.04	8.28	2.63	0.38
Evaluation (0-11)	52	4.88	1.92	5.50	2.15	0.62*	60	4.98	1.84	5.08	1.93	0.10
Induction (0-17)	52	10.17	2.45	10.98	2.76	0.81*	60	10.33	2.55	10.58	2.46	0.25
Deduction (0-17)	52	7.23	2.94	8.15	2.88	0.92*	60	7.23	2.48	7.60	3.00	0.37
<b>30-hour students</b>												
Percentile (0-100)	30	46.80	21.18	48.03	18.57	1.23	35	55.09	27.77	57.03	27.48	1.94
Total (0-34)	30	16.20	3.26	16.33	2.63	0.13	35	17.57	4.96	17.91	4.57	0.34
Analytic (0-7)	30	4.73	1.08	4.40	1.16	-0.33	35	4.66	1.37	4.80	1.18	0.14
Inference (0-16)	30	7.27	1.91	7.77	2.08	0.50	35	7.71	2.47	8.20	2.55	0.49
Evaluation (0-11)	30	4.20	1.79	4.17	1.55	-0.03	35	5.20	2.25	4.91	1.93	-0.29
Induction (0-17)	30	9.37	2.11	9.30	1.39	-0.07	35	10.06	3.14	10.14	2.37	0.08
Deduction (0-17)	30	6.83	2.31	7.03	2.16	0.20	35	7.51	2.65	7.77	2.78	0.26

\*Indicate significance at  $p < 0.05$

\*\*Indicate trend at  $p < 0.10$