

Table 10:

Comparisons of epistemic beliefs, pedagogic beliefs and instructional practices by department

ANOVA							
Factor: Department		Sum of Squares	df	Mean Square	F	Sig.	
1	Innate/Fixed Ability	Between Groups	34.445	7	4.921	1.153	.338
		Within Groups	392.715	92	4.269		
		Total	427.160	99			
2	Learning Effort/Process	Between Groups	89.459	7	12.780	3.022	.007
		Within Groups	389.051	92	4.229		
		Total	478.510	99			
3	Criticizing Authority (Authority/Expert Knowledge)	Between Groups	18.052	7	2.579	1.281	.268
		Within Groups	185.188	92	2.013		
		Total	203.240	99			

4	Certainty Knowledge	Between Groups	28.587	7	4.084	.734	.644
		Within Groups	511.973	92	5.565		
		Total	540.560	99			
5	Constructivist Conception	Between Groups	29.490	7	4.213	.949	.473
		Within Groups	408.350	92	4.439		
		Total	437.840	99			
6	Traditional Conception	Between Groups	66.430	7	9.490	1.555	.159
		Within Groups	561.360	92	6.102		
		Total	627.790	99			
7	Standard Contemporary Practice	Between Groups	67.951	7	9.707	2.688	.014
		Within Groups	332.239	92	3.611		
		Total	400.190	99			

		Between Groups	48.429	7	6.918	1.779	.101
8	Focused Instruction	Within Groups	357.811	92	3.889		
		Total	406.240	99			
		Between Groups	75.753	7	10.822	2.682	.014
9	Flexible Grouping Practice	Within Groups	371.237	92	4.035		
		Total	446.990	99			
