

Table 9:

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

ANOVA							
Factor: Position		Sum of Squares	df	Mean Square	F	Sig.	
1	Innate/Fixed Ability	Between Groups	25.689	3	8.563	2.048	.112
		Within Groups	401.471	96	4.182		
		Total	427.160	99			
2	Learning Effort/Process	Between Groups	34.577	3	11.526	2.492	.065
		Within Groups	443.933	96	4.624		
		Total	478.510	99			
3	Criticizing Authority (Authority/Expert Knowledge)	Between Groups	4.977	3	1.659	.803	.495
		Within Groups	198.263	96	2.065		
		Total	203.240	99			

4	Certainty Knowledge	Total	203.240	99			
		Between Groups	13.983	3	4.661	.850	.470
		Within Groups	526.577	96	5.485		
		Total	540.560	99			
5	Constructivist Conception	Between Groups	40.710	3	13.570	3.280	.024
		Within Groups	397.130	96	4.137		
		Total	437.840	99			
		Between Groups	9.403	3	3.134	.487	.692
6	Traditional Conception	Within Groups	618.387	96	6.442		
		Total	627.790	99			
		Between Groups	21.069	3	7.023	1.778	.156
		Within Groups	379.121	96	3.949		
7	Standard Contemporary Practice	Within Groups					

		Total	400.190	99			
		Between Groups	14.554	3	4.851	1.189	.318
8	Focused Instruction	Within Groups	391.686	96	4.080		
		Total	406.240	99			
		Between Groups	60.769	3	20.256	5.035	.003
9	Flexible Grouping Practice	Within Groups	386.221	96	4.023		
		Total	446.990	99			
