Exploratory factor analysis (appendix 1)

Correlation Matrix[a]

		Resilience_1	Resilience_2	Resilience_3	Resilience_4	Resilience_5	Resilience_6	Resilience_8	Resilience_9	Resilience_10	Resilience_11	Resilience_12	Resilience_14
Correlation	Resilience_1	1.000	.415	.485	.386	.467	.376	.174	.282	.339	.312	.308	
	Resilience_2	.415	1.000	.441	.530	.434	.426	.311	.389	.307	.559	.306	
	Resilience_3	.485	.441	1.000	.469	.542	.348	.272	.276	.363	.528	.325	
	Resilience_4	.386	.530	.469	1.000	.491	.323	.238	.261	.380	.493	.261	
	Resilience_5	.467	.434	.542	.491	1.000	.498	.352	.324	.322	.414	.358	
	Resilience_6	.376	.426	.348	.323	.498	1.000	.540	.392	.243	.446	.273	
	Resilience_8	.174	.311	.272	.238	.352	.540	1.000	.488	.137	.339	.293	
	Resilience_9	.282	.389	.276	.261	.324	.392	.488	1.000	.363	.321	.258	
	Resilience_10	.339	.307	.363	.380	.322	.243	.137	.363	1.000	.330	.213	
	Resilience_11	.312	.559	.528	.493	.414	.446	.339	.321	.330	1.000	.400	
	Resilience_12	.308	.306	.325	.261	.358	.273	.293	.258	.213	.400	1.000	
	Resilience_14	.503	.491	.571	.480	.508	.468	.296	.268	.368	.583	.489	
Sig. (1-tailed)	Resilience_1		.000	.000	.000	.000	.000	.008	.000	.000	.000	.000	
	Resilience_2	.000		.000	.000	.000	.000	.000	.000	.000	.000	.000	
	Resilience_3	.000	.000		.000	.000	.000	.000	.000	.000	.000	.000	
	Resilience_4	.000	.000	.000		.000	.000	.000	.000	.000	.000	.000	
	Resilience_5	.000	.000	.000	.000		.000	.000	.000	.000	.000	.000	
	Resilience_6	.000	.000	.000	.000	.000		.000	.000	.000	.000	.000	
	Resilience_8	.008	.000	.000	.000	.000	.000		.000	.029	.000	.000	
	Resilience_9	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	
	Resilience_10	.000	.000	.000	.000	.000	.000	.029	.000		.000	.002	
	Resilience_11	.000	.000	.000	.000	.000	.000	.000	.000	.000		.000	
	Resilience_12	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000		
	Resilience_14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	

a. Determinant = .009

Communalities		
	Initial	Extraction
Resilience_1	1.000	.481
Resilience_2	1.000	.519
Resilience_3	1.000	.600
Resilience_4	1.000	.539
Resilience_5	1.000	.538
Resilience_6	1.000	.611
Resilience_8	1.000	.777
Resilience_9	1.000	.562
Resilience_10	1.000	.328
Resilience_11	1.000	.547
Resilience_12	1.000	.310
Resilience_14	1.000	.647
Extraction Method: Principal Component Analysis.		

Total Variance Explained									
	Initial Eigenvalues	Extraction Sums of Squared Loadings	Rotation Sums of Squared Loadings						
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.261	43.843	43.843	5.261	43.843	43.843	4.116	34.303	34.303
2	1.198	9.980	53.823	1.198	9.980	53.823	2.342	19.520	53.823
3	.898	7.484	61.307						
4	.782	6.513	67.820						
5	.763	6.360	74.180						
6	.593	4.945	79.125						

7	.554	4.614	83.739						
8	.526	4.381	88.120						
9	.426	3.546	91.666						
10	.364	3.030	94.696						
11	.338	2.820	97.515						
12	.298	2.485	100.000						
Extraction Method: Principal Component Analysis.									

Rotated Component Matrix[a]

	Component	
	1	2
Resilience_1	.684	.117
Resilience_2	.631	.347
Resilience_3	.759	.154
Resilience_4	.722	.132
Resilience_5	.645	.349
Resilience_6	.360	.694
Resilience_8	.090	.877
Resilience_9	.210	.720
Resilience_10	.561	.114
Resilience_11	.657	.339
Resilience_12	.466	.304
Resilience_14	.769	.237
Extraction Method: Principal Component Analysis. Rotation Method:		

Varimax with Kaiser Normalization.[a]	
a. Rotation converged in 3 iterations.	

Bivariate results (appendix 2)

Table 1: Pearson correlation between all continuous variables

	Self-assuredness	Drive	Resilience	2015 course performance	2016 course performance
2016 course performance#	.027	.212**	.130	.741**	1
Self-assuredness#	1	-.004	.817**	-.082	.027
Drive#	-.004	1	.558**	.248**	.212**
RS-14	.817**	.558**	1	.056	.130
2015 course performance#	-.082	.248**	.056	1	.741**

#z scores; ** correlation is significant at the 0.01 level (2-tailed)

Independent samples t-test

Table 2: Independent samples t-test comparing male and female students

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
2016 course performance#	F (1,158)=.461,p=.498	-.448	158	.655	-.066	.147	-.357	.225
2015 course performance#	F (1,158)=.874,p=.351	.502	158	.616	.072	.142	-.210	.353
resilience	F (1,158)=.077,p=.782	.133	158	.894	.242	1.813	-3.340	3.823
Self-assuredness#	F (1,158)=.871,p=.352	1.173	158	.243	.196	.167	-.134	.527
Drive#	F (1,158)=.335,p=.564	-1.594	158	.113	-.257	.162	-.576	.062

#z scores