

Engineering

Report Settings																					
Statistics	Overall Average																				
List By	Criterion																				
Dates	Assessed September 25, 2011 to July 31, 2012																				
Groups	All members of "Engineering"																				
Demographic Filters	All Students																				
Assessment Instruments	All Instruments in "Engineering" and its parent groups																				
Multiple Score Option	Use all scores																				
Report Generated	Aug 5, 2014 at 5:09 PM																				
		Sep 25, 2011 to Jul 31, 2012					Sep 25, 2011 to Jul 31, 2012					Aug 1, 2012 to Jul 31, 2013					Aug 1, 2013 to Jul 31, 2014				
assessment instrument name	criteria name	n	mean	mean %	median	standard deviation	n	mean	mean %	median	n	mean	mean %	median	standard d	standard deviation	n	mean	mean %	median	standard deviation
2nd Year Interview	Met/Not Met	16	4	100	4	0	16	4	100	4	13	4	100	4	0	0	22	4	100	4	0
Candidacy Form	Submitted	1	4	100	4	0	1	4	100	4	--	--	--	--	--	--	--	--	--	--	--
Computational Methods C Programming Project	Specifications	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Computational Methods C Programming Project	Readability	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Computational Methods C Programming Project	Reusability	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Computational Methods C Programming Project	Efficiency	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Computational Methods C Programming Project	Delivery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Control Systems Exam	Information	--	--	--	--	--	--	--	--	--	15	4	100	4	0	--	--	--	--	--	--
Control Systems Exam	Assumptions	--	--	--	--	--	--	--	--	--	15	3.93	98	4	0.25	--	34	3.53	88	4	0.65
Control Systems Exam	Theories	--	--	--	--	--	--	--	--	--	15	3.2	80	3	0.65	--	34	3.79	95	4	0.53
Control Systems Exam	Formulas	--	--	--	--	--	--	--	--	--	15	3.6	90	4	0.49	--	34	3.26	82	3	0.78
Control Systems Exam	Diagrams and Curves	--	--	--	--	--	--	--	--	--	15	3.47	87	4	0.72	--	34	3.03	76	3	0.89
Control Systems Exam	Solutions	--	--	--	--	--	--	--	--	--	15	3.4	85	3	0.49	--	34	4	100	4	0
Design Process Paper	Description of Design Process	11	2	50	2	0.43	11	2	50	2	17	3.18	79	3	0.78	0.43	14	4	100	4	0
Dynamics Exam	Problem Formulation: Rigid Bodies, Translation and Rotation	--	--	--	--	--	--	--	--	--	11	2.27	57	2	1.14	--	17	2.35	59	3	1.08
Dynamics Exam	Problem Solving Using Energy Methods	--	--	--	--	--	--	--	--	--	11	2.55	64	2	0.78	--	17	3.12	78	3	0.9
Dynamics Exam	Problem Solving Using Momentum	--	--	--	--	--	--	--	--	--	11	2.45	61	2	0.5	--	17	2.94	74	3	0.94
Dynamics Exam	Vectors	--	--	--	--	--	--	--	--	--	11	2.82	70	3	1.27	--	17	2.94	74	3	1.21
		--	--	--	--	--	--	--	--	--	25	4	100	4	0	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	25	3.52	88	4	0.64	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	25	3.68	92	4	0.55	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	25	3.6	90	4	0.49	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	25	3.64	91	4	0.56	--	--	--	--	--	--
Economics Paper	Content	9	3.33	83	4	0.82	9	3.33	83	4	--	--	--	--	--	0.82	33	2.91	73	3	0.9
Economics Paper	Stewardship	9	2.67	67	4	1.89	9	2.67	67	4	--	--	--	--	--	1.89	33	3.06	77	3	0.98
Economics Paper	Biblical References for Stewardship	9	2.67	67	4	1.89	9	2.67	67	4	--	--	--	--	--	1.89	33	3	75	4	1.3
Economics Paper	Research	9	3.44	86	4	0.83	9	3.44	86	4	--	--	--	--	--	0.83	33	3.06	77	4	1.01
Economics Paper	Organization	9	4	100	4	0	9	4	100	4	--	--	--	--	--	0	33	3.97	99	4	0.17
Economics Paper	Spelling and Grammar	9	3.11	78	3	0.99	9	3.11	78	3	--	--	--	--	--	0.99	33	2.85	71	3	0.89
Economics Paper	Format	9	4	100	4	0	9	4	100	4	--	--	--	--	--	0	33	3.94	98	4	0.34
Economics Paper	Contemporary Issues	9	3.11	78	3	0.87	9	3.11	78	3	--	--	--	--	--	0.87	33	3.33	83	4	0.77
Economics Paper	Broader Impact	9	3	75	3	0.82	9	3	75	3	--	--	--	--	--	0.82	33	3.48	87	4	0.74
Ethics Quiz	Conflict of Interest	9	3	75	4	1.41	9	3	75	4	17	3.71	93	4	0.82	1.41	15	3.73	93	4	0.77
Ethics Quiz	Disclosure	9	3.89	97	4	0.31	9	3.89	97	4	17	3.53	88	4	0.61	0.31	15	2.87	72	4	1.31
Ethics Quiz	Responsibilities of Engineers	9	2.89	72	3	0.31	9	2.89	72	3	17	3.06	76	3	0.64	0.31	15	2.93	73	3	0.85
Exit Interview	Met/Not Met	8	4	100	4	0	8	4	100	4	24	4	100	4	0	0	14	4	100	4	0
Finite Element Analysis Using ANSYS	Software Use	7	3	75	4	1.31	7	3	75	4	11	2.64	66	3	0.64	1.31	--	--	--	--	--
Freshman Interview	Met-Not Met	13	4	100	4	0	13	4	100	4	17	4	100	4	0	0	20	4	100	4	0
Freshman Project Oral Presentation	Speaking and audience engagement	--	--	--	--	--	--	--	--	--	38	3.45	86	3	0.5	--	31	3.19	80	3	0.86

Engineering

assessment instrument name	criterion name	Sep 25, 2011 to Jul 31, 2012					Sep 25, 2011 to Jul 31, 2012					Aug 1, 2012 to Jul 31, 2013					Aug 1, 2013 to Jul 31, 2014				
		n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation
Freshman Project Oral Presentation	Slide Quality	--	--	--	--	--	--	--	--	--	38	3.53	88	4	0.64	--	31	3.71	93	4	0.45
Freshman Project Oral Presentation	Organization of Ideas	--	--	--	--	--	--	--	--	--	38	3.68	92	4	0.52	--	31	3.94	98	4	0.25
Freshman Project Oral Presentation	Technical Content	--	--	--	--	--	--	--	--	--	38	3.79	95	4	0.57	--	31	3.77	94	4	0.42
Freshman Project Oral Presentation/Reflection	Implications for Professional Development	--	--	--	--	--	--	--	--	--	43	3.72	93	4	0.45	--	29	3.34	84	4	0.8
Freshman Project Report	Content	19	3.89	97	4	0.45	19	3.89	97	4	44	3.75	94	4	0.57	0.45	28	3.68	92	4	0.47
Freshman Project Report	Style and Vocabulary	19	3.53	88	4	0.6	19	3.53	88	4	44	3.73	93	4	0.58	0.6	28	3.93	98	4	0.26
Freshman Project Report	Organization	19	3.68	92	4	0.46	19	3.68	92	4	44	3.8	95	4	0.46	0.46	28	3.96	99	4	0.19
Freshman Project Report	Spelling and Grammar	19	3.47	87	4	0.75	19	3.47	87	4	44	3.55	89	4	0.75	0.75	28	3.25	81	3	0.57
Freshman Project Report	Format and Appearance	19	3.37	84	4	0.93	19	3.37	84	4	44	3.55	89	4	0.89	0.93	28	3.04	76	3	1.24
Graphics Exam	Basic Modeling Requirements	--	--	--	--	--	--	--	--	--	41	3.9	98	4	0.48	--	39	3.18	79	3	0.87
Graphics Exam	Use of SolidWorks Feature	--	--	--	--	--	--	--	--	--	41	3.85	96	4	0.57	--	39	2.82	71	3	0.93
Graphics Exam	Dimensioning of Sketches	--	--	--	--	--	--	--	--	--	41	3.41	85	4	0.7	--	39	3	75	3	0
Graphics Exam	Use of specified Features	--	--	--	--	--	--	--	--	--	41	3.9	98	4	0.43	--	39	3.87	97	4	0.33
Graphics Exam	Interpretation of Drawings	--	--	--	--	--	--	--	--	--	41	3.37	84	4	0.79	--	39	2.36	59	2	1.03
Graphics Exam	Appropriate Feature Application and Location.	--	--	--	--	--	--	--	--	--	41	3.71	93	4	0.55	--	39	2.92	73	3	0.89
Initial Resume	Work Experience	28	3.04	76	3	1.09	28	3.04	76	3	55	3.45	86	3	0.53	1.09	40	3.88	97	4	0.33
Initial Resume	Education	28	3.14	79	3	0.58	28	3.14	79	3	55	2.84	71	3	0.37	0.58	40	2.68	67	3	0.47
Initial Resume	Spelling and Grammar	28	3.93	98	4	0.26	28	3.93	98	4	55	3.53	88	4	0.63	0.26	40	3.95	99	4	0.22
Initial Resume	Format	28	3.43	86	3	0.49	28	3.43	86	3	55	3.91	98	4	0.34	0.49	40	3.7	92	4	0.46
Network I Exam	Information	2	4	100	4	0	2	4	100	4	9	3.67	92	4	0.47	0	--	--	--	--	--
Network I Exam	Schematic Diagrams and Waveforms	2	4	100	4	0	2	4	100	4	9	3.67	92	4	0.47	0	--	--	--	--	--
Network I Exam	Theories and Assumptions	2	4	100	4	0	2	4	100	4	9	3.22	81	3	0.79	0	--	--	--	--	--
Network I Exam	Formulas	2	4	100	4	0	2	4	100	4	--	--	--	--	--	--	--	--	--	--	--
Network I Exam	Solutions	2	3.5	88	3.5	0.5	2	3.5	88	3.5	--	--	--	--	--	--	--	--	--	--	--
Network Analysis II Exam	Solutions	--	--	--	--	--	--	--	--	--	9	3.33	83	3	0.67	--	--	--	--	--	--
Network I Exam	Information	--	--	--	--	--	--	--	--	--	13	3.54	88	4	0.5	--	--	--	--	--	--
Network I Exam	Schematic Diagrams and Waveforms	--	--	--	--	--	--	--	--	--	13	3.62	90	4	0.49	--	--	--	--	--	--
Network I Exam	Theories and Assumptions	--	--	--	--	--	--	--	--	--	13	2.85	71	3	0.86	--	--	--	--	--	--
Network I Exam	Formulas	--	--	--	--	--	--	--	--	--	13	3.23	81	3	0.8	--	--	--	--	--	--
Network I Exam	Solutions	--	--	--	--	--	--	--	--	--	13	3.54	88	4	0.5	--	--	--	--	--	--
Principles of Design Exam/Assignment	Problem Formulation: Ball Bearing Analysis	14	3.57	89	4	1.05	14	3.57	89	4	13	3.08	77	4	1.49	1.05	--	--	--	--	--
Principles of Design Exam/Assignment	Problem Formulation: Journal Bearing Analysis	14	3.14	79	4	1.51	14	3.14	79	4	13	3.31	83	4	1.32	1.51	--	--	--	--	--
Principles of Design Exam/Assignment	Problem Formulation: Gear Force Analysis	14	3	75	3	0.76	14	3	75	3	13	3.54	88	4	0.84	0.76	--	--	--	--	--
Resume	Job Objective	13	2.92	73	3	1.21	13	2.92	73	3	19	2.32	58	2	1.34	1.21	20	3.25	81	3	0.7
Resume	Other (Extra-Curricular Activities, skills, volunteer work, etc.)	13	3.54	88	4	0.63	13	3.54	88	4	19	3.58	89	4	0.67	0.63	20	3.75	94	4	0.7
Resume	Professional Experience	13	3.15	79	3	0.77	13	3.15	79	3	19	3.89	97	4	0.31	0.77	20	3.6	90	4	0.66
Resume	Education Summary	13	2.85	71	3	0.77	13	2.85	71	3	19	3.53	88	4	0.68	0.77	20	3.3	82	3	0.64
Resume	Spelling and Grammar	13	3.38	85	3	0.49	13	3.38	85	3	19	3.79	95	4	0.41	0.49	20	3.75	94	4	0.54
Resume	Format	13	3.23	81	3	0.89	13	3.23	81	3	19	3.79	95	4	0.52	0.89	20	3.3	82	3	0.78
Senior Project Oral Presentation	Speaking and audience engagement	2	3	75	3	0	2	3	75	3	3	3.67	92	4	0.47	0.5	40	3.43	86	4	0.7
Senior Project Oral Presentation	Slide Quality	2	3.5	88	3.5	0.5	2	3.5	88	3.5	3	3	75	3	0.82	0.5	40	3.65	91	4	0.48
Senior Project Oral Presentation	Organization of Ideas	2	3.5	88	3.5	0.5	2	3.5	88	3.5	3	3	75	3	0	0	40	3.33	83	3.5	0.79
Senior Project Oral Presentation	Technical Content	2	3	75	3	0	2	3	75	3	3	3	75	3	0.82	0	40	2.55	64	2	0.71
Senior Project Report 2012 and before	Content	5	4	100	4	0	5	4	100	4	--	--	--	--	--	--	40	3.03	76	3	0.88
Senior Project Report 2012 and before	Depth and Breadth of Project Content	5	3.6	90	4	0.49	5	3.6	90	4	--	--	--	--	--	--	40	3.6	90	4	0.49

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assessment instrument name	criterion name	Sep 25, 2011 to Jul 31, 2012					Sep 25, 2011 to Jul 31, 2012					Aug 1, 2012 to Jul 31, 2013					Aug 1, 2013 to Jul 31, 2014				
		n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation	n	mean	mean %	median	standard deviation
Senior Project Report 2012 and before	Style and Vocabulary	5	3.6	90	4	0.49	5	3.6	90	4	--	--	--	--	--	40	3.18	79	4	1.16	
Senior Project Report 2012 and before	Research	5	3.8	95	4	0.4	5	3.8	95	4	--	--	--	--	--	40	3.13	78	3	0.84	
Senior Project Report 2012 and before	Organization	5	4	100	4	0	5	4	100	4	--	--	--	--	--	40	3.43	86	4	1.02	
Senior Project Report 2012 and before	Spelling and Grammar	5	4	100	4	0	5	4	100	4	--	--	--	--	--	40	4	100	4	0	
Senior Project Report 2012 and before	Format	5	4	100	4	0	5	4	100	4	--	--	--	--	--	40	3.38	84	4	0.73	
Senior Project Report 2012 and before	Application of Engineering Concepts	5	4	100	4	0	5	4	100	4	--	--	--	--	--	40	2.93	73	3	0.93	
Senior Project Report 2012 and before	Design Problem Statement	5	4	100	4	0	5	4	100	4	--	--	--	--	--	40	3.58	89	4	0.49	
Senior Project Report 2012 and before	Response to Customer Needs	5	3.6	90	4	0.49	5	3.6	90	4	--	--	--	--	--	40	3	75	3	0.89	
Senior Project Report 2012 and before	Consideration of Alternatives	5	3.8	95	4	0.4	5	3.8	95	4	--	--	--	--	--	40	3.55	89	4	0.74	
Senior Project Report 2012 and before	Teaming	5	3.8	95	4	0.4	5	3.8	95	4	--	--	--	--	--	40	3.48	87	3	0.5	
Senior Project Report 2013 forward	Realistic Constraints	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40	3.08	77	3	1.06	
Senior Project Report 2013 forward	Engineering Standards	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17	3.76	94	4	0.55	
Snr Project Oral Presentation Reflection	Implications for Professional Development	4	4	100	4	0	4	4	100	4	21	3.9	98	4	0.29	0.49	17	3.12	78	4	1.37
Snr. Project 498 Research Paper	Use of online and print media, as well as published patents.	10	3.8	95	4	0.4	10	3.8	95	4	21	1.43	36	2	0.79	0.49	--	--	--	--	--
Statics Exam	Information	--	--	--	--	--	--	--	--	--	11	4	100	4	0	0.4	--	--	--	--	--
Statics Exam	Assumptions	--	--	--	--	--	--	--	--	--	11	3.91	98	4	0.29	0	--	--	--	--	--
Statics Exam	Diagrams	--	--	--	--	--	--	--	--	--	11	3.45	86	3	0.5	0	--	--	--	--	--
Statics Exam	Formulas	--	--	--	--	--	--	--	--	--	11	3.55	89	4	0.66	0	--	--	--	--	--
Statics Exam	Solution	--	--	--	--	--	--	--	--	--	11	3	75	3	0	0	--	--	--	--	--
Stewardship Essay	Content	--	--	--	--	--	--	--	--	--	43	3.84	96	4	0.64	0	--	--	--	--	--
Stewardship Essay	Stewardship	--	--	--	--	--	--	--	--	--	43	3.65	91	4	0.71	0.49	--	--	--	--	--
Stewardship Essay	Biblical References for Stewardship	--	--	--	--	--	--	--	--	--	43	3.86	97	4	0.63	0.4	--	--	--	--	--
Stewardship Essay	Research	--	--	--	--	--	--	--	--	--	43	3.42	85	3	0.72	0.4	--	--	--	--	--
Stewardship Essay	Organization	--	--	--	--	--	--	--	--	--	43	3.77	94	4	0.68	--	--	--	--	--	--
Stewardship Essay	Spelling and Grammar	--	--	--	--	--	--	--	--	--	43	3.3	83	3	0.79	--	--	--	--	--	--
Stewardship Essay	Format	--	--	--	--	--	--	--	--	--	43	3.72	93	4	0.69	0.4	--	--	--	--	--