



National Council of Examiners for Engineering and Surveying  
Principles and Practice of Engineering Examination  
ABET - Accredited Programs

200704  
6/14/2007

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Agricultural</b>	PM Exam:	<b>Mechanical-HVAC</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	1	3	2	0	1		
Examinees Passing	1	2	2	0	0		
Examinees Passing %	100	67	100	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	50	61	0.6	58	0	67	
General - Codes & Standards - Fundamental Enginee	4	75	83	0.6	88	0	75
General - Codes & Standards - Interpretation of Code	2	50	83	0.6	75	0	100
Machine Design & Materials - Principles	4	0	42	1.5	25	0	75
Machine Design & Materials - Applications	3	67	67	0.0	67	0	67
Hydraulics & Fluids - Principles	4	100	75	1.7	100	0	25
Hydraulics & Fluids - Applications	3	100	100	0.0	100	0	100
Energy Conversion/Power Systems - Principles	4	25	33	0.6	25	0	50
Energy Conversion/Power Systems - Analysis of Sys	3	67	56	0.6	67	0	33
HVAC & Refrigeration - Principles	7	100	90	1.2	100	0	71
Fundamentals - Psychrometrics	6	50	67	1.0	67	0	67
Fundamentals - Principles	8	75	54	2.1	69	0	25
Equipment and Materials	14	64	60	1.2	64	0	50
Applications - Systems	9	56	44	1.7	56	0	22
Applications - Supportive Knowledges	3	67	56	0.6	50	0	67

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Agricultural</b>	PM Exam:	<b>Mechanical-Machine Design</b>				
	*Institution	National	Comparator Groupings				

	1	3	2	0	1		
Examinees Taking	1	3	2	0	1		
Examinees Passing	0	2	1	0	1		
Examinees Passing %	0	67	50	0	100		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	33	61	1.5	58	0	67	
General - Codes & Standards - Fundamental Enginee	4	100	92	0.6	88	0	100
General - Codes & Standards - Interpretation of Code 2	2	100	83	0.6	100	0	50
Machine Design & Materials - Principles	4	50	50	1.0	62	0	25
Machine Design & Materials - Applications	3	67	67	1.0	50	0	100
Hydraulics & Fluids - Principles	4	25	67	1.5	62	0	75
Hydraulics & Fluids - Applications	3	100	89	0.6	100	0	67
Energy Conversion/Power Systems - Principles	4	50	67	1.2	75	0	50
Energy Conversion/Power Systems - Analysis of Sys	3	67	67	1.0	83	0	33
HVAC & Refrigeration - Principles	7	71	71	2.0	86	0	43
Engineering Principles	18	33	61	4.4	56	0	72
Machine Design - Components	14	21	55	5.0	57	0	50
Applications - Systems	4	50	67	0.6	62	0	75
Applications - Supportive Knowledge	4	25	67	1.5	62	0	75

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Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Chemical</b>	PM Exam:	<b>Chemical</b>				
	*Institution		National		Comparator Groupings		

Examinees Taking	1	192	116	23	39
Examinees Passing	1	132	89	17	12
Examinees Passing %	100	69	77	74	31

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Mass/Energy: Mass Balances	9	44	56	1.6	57	55	47
Mass/Energy: Energy Balances & Thermo	10	50	59	2.1	62	60	45
Fluids: Fluid Transport	3	100	70	0.8	72	71	59
Fluids: Mech-Energy Balance	8	75	55	1.7	60	52	40
Fluids: Flow Measurement	3	100	69	0.9	68	78	62
Heat Transfer: Mechanisms	5	40	56	1.2	59	54	42
Heat Transfer: Applications	8	62	60	1.7	65	65	39
Mass Transfer: Phase Equilibria	4	25	65	1.0	69	59	54
Mass Transfer Contactors (Absorption-etc)	5	60	46	1.3	51	48	26
Mass Transfer: Miscellaneous Separation Processes	1	100	53	0.5	56	30	44
Kinetics: Reaction Parameters	2	0	79	0.6	81	78	71
Kinetics: Reaction Rate	2	50	39	0.6	40	41	33
Kinetics: Reactor Design & Evaluation	3	100	50	0.9	52	55	37
Kinetics: Heterogenous Reaction Systems	2	0	55	0.7	58	52	49
Plant Design/Operation: Economic Considerations	2	50	69	0.7	73	65	54
Plant Design/Operation: Design & Operations	4	50	55	0.8	56	63	47
Plant Design/Operation: Safety	3	33	55	0.8	57	57	44
Plant Design/Operation: Environmental	2	50	70	0.7	72	76	55
Plant Design/Operation: Materials	2	100	60	0.6	59	67	51
Plant Design/Operation: Process Control	2	0	68	0.7	70	70	55

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Chemical</b>	PM Exam:	<b>Environmental</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	1	97	68	9	16		
Examinees Passing	1	67	55	8	1		
Examinees Passing %	100	69	81	89	6		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Wastewater	11	55	54	1.9	57	58	41
Storm Water	6	33	59	1.3	62	56	46
Potable Water	11	64	56	1.7	58	60	45
Water Resources	6	50	61	1.3	62	69	51
Ambient Air	8	100	71	1.5	74	81	56
Emissions Sources	4	100	60	1.2	67	61	34
Control Strategies	8	62	53	1.8	57	67	34
Municipal Solid Waste (MSW), Commercial, and Ind.	10	70	55	1.7	58	57	41
Hazardous Waste, Special, and Radioactive Waste	10	80	73	1.6	76	74	56
Environmental Assessments	9	67	64	1.6	67	69	51
Remediation	8	62	53	1.8	58	56	30
Public Health and Safety	9	67	55	1.9	59	65	38

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Environmental</b>				
	*Institution		National	Comparator Groupings			

Examinees Taking	1	167	87	28	41		
Examinees Passing	0	52	37	8	3		
Examinees Passing %	0	31	43	29	7		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	50	78	1.6	84	77	68
Breadth - Geotechnical	8	62	50	1.5	51	51	46
Breadth - Structural	8	62	73	1.5	76	77	66
Breadth - Transportation	8	50	52	1.9	58	54	40
Breadth - Water Resources	8	75	63	1.8	68	66	54
Wastewater Treatment	9	22	56	2.1	63	53	47
Biology	7	57	66	1.6	73	68	54
Solid/Hazardous Waste	5	80	59	1.1	63	58	53
Groundwater & Well Fields	5	40	62	1.2	70	59	49
Geotechnical	4	75	63	1.0	67	65	52
Water Resources	10	70	61	1.8	64	56	55

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Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Geotechnical</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	2	653	298	94	187
Examinees Passing	0	319	194	42	61
Examinees Passing %	0	49	65	45	33

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	69	70	1.7	77	70	62
Breadth - Geotechnical	8	50	62	1.5	68	61	57
Breadth - Structural	8	75	79	1.4	83	79	75
Breadth - Transportation	8	38	57	1.8	62	58	50
Breadth - Water Resources	8	56	64	1.8	70	64	57
Subsurface Exploration & Sampling	3	17	40	0.8	41	40	40
Engineering Properties & Soil Mechanics	9	28	46	1.9	52	46	40
Foundations	9	50	52	1.6	57	49	48
Earth Retaining Structures & Seismic Engineering	5	30	54	1.1	59	53	49
Environmental	4	62	63	1.0	69	62	57
Structural	8	50	45	1.7	50	43	41
Transportation	2	50	64	0.7	71	70	52

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Structural</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	4	547	324	79	114		
Examinees Passing	3	363	245	42	53		
Examinees Passing %	75	66	76	53	46		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	75	74	1.6	76	71	68
Breadth - Geotechnical	8	50	59	1.5	60	59	55
Breadth - Structural	8	88	88	1.1	90	89	84
Breadth - Transportation	8	75	58	1.8	61	52	53
Breadth - Water Resources	8	81	67	1.7	70	62	62
Loading/Analysis	8	59	54	1.7	57	51	44
Mechanics of Materials/Materials	8	50	62	1.5	65	58	56
Member Design	6	54	54	1.3	56	55	48
Failure Analysis/Design Criteria	4	62	45	1.1	49	41	37
Geotechnical	10	72	68	1.7	71	65	62
Transportation	4	56	70	1.0	71	68	68

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Transportation</b>				
	*Institution	National	Comparator Groupings				

	27	2,180	1,216	391	451		
Examinees Taking	27	2,180	1,216	391	451		
Examinees Passing	15	1,101	693	194	154		
Examinees Passing %	56	51	57	50	34		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	80	71	1.7	73	70	64
Breadth - Geotechnical	8	50	52	1.4	53	52	50
Breadth - Structural	8	71	72	1.5	73	71	69
Breadth - Transportation	8	64	61	1.7	64	61	56
Breadth - Water Resources	8	60	64	1.7	67	64	58
Traffic Analysis	9	64	59	1.5	61	57	55
Transportation Planning/Construction	8	65	65	1.5	67	65	60
Geometric Design/Traffic Safety	9	63	60	1.6	62	58	57
Geotechnical	6	71	67	1.2	69	67	63
Water Resources	8	60	62	1.8	65	63	55

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Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Water Resources</b>				
	*Institution		National		Comparator Groupings		

Examinees Taking	14		1,536		837	226	380
Examinees Passing	9		883		555	130	157
Examinees Passing %	64		57		66	58	41
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	70	74	1.6	77	75	69
Breadth - Geotechnical	8	62	53	1.4	55	52	49
Breadth - Structural	8	74	73	1.4	76	72	71
Breadth - Transportation	8	62	56	1.8	59	57	50
Breadth - Water Resources	8	78	72	1.7	76	71	65
Hydraulics	13	58	54	2.5	57	55	48
Hydrology	7	55	55	1.5	59	54	49
Water Treatment	6	69	71	1.2	73	69	65
Environmental	10	62	62	1.9	65	61	56
Geotechnical	4	54	55	1.0	56	56	53

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Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Structural I</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	1	316	232	40	30		
Examinees Passing	1	108	83	13	10		
Examinees Passing %	100	34	36	32	33		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Analysis of Structures-Loads	6	67	58	1.3	60	53	59
Analysis of Structures-Lateral Forces	6	50	41	1.3	43	32	34
Analysis of Structures-Lateral Force Distribution	9	33	44	1.7	46	43	41
Analysis of Structures-Methods	4	50	52	1.0	51	54	59
Design and Details of Structures-General Structural C 6	6	67	63	1.2	64	59	67
Design and Details of Structures-Steel (AISC-AASHT 14	14	64	55	2.4	54	58	56
Design and Details of Structures-Concrete (AASHTO 13	13	62	58	2.1	59	59	56
Design and Details of Structures-Wood (NDS-ASD) 7	7	57	56	1.5	57	57	47
Design and Details of Structures-Masonry (ACI 530-L 7	7	71	47	1.5	47	46	46
Design and Details of Structures-Foundations & Reta 8	8	62	64	1.6	64	62	61

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Board Code:	71	School Code:	7101				
Major:	<b>Electrical</b>	PM Exam:	<b>Electrical &amp; Computer-ECC</b>				
	*Institution		National		Comparator Groupings		

	1	130	57	14	42		
Examinees Taking	1	130	57	14	42		
Examinees Passing	0	96	45	8	31		
Examinees Passing %	0	74	79	57	74		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Basic ELE - Professionalism and Engineering Econor	2	100	68	0.7	72	57	67
Basic ELE - Safety & Reliability	3	33	76	0.8	80	76	74
Basic ELE - Electric Circuits	10	60	66	2.1	71	61	63
Basic ELE - Electric & Magnetic Field Theory & Appli	1	100	85	0.4	91	86	81
Basic ELE - Computer Systems & Engr	2	0	86	0.5	86	79	88
Electronics, Circuits & Components - Components	6	50	53	1.6	57	49	50
Electronics, Circuits & Components - Materials	2	50	68	0.7	74	61	65
Controls & Communications Systems	6	50	75	1.3	77	74	75
Power - Transmission & Distribution	5	40	45	1.3	49	26	49
Power - Rotating Machines & Electromagnetic Device	3	67	69	0.9	69	71	66
General EE Knowledge - Measurement & Instrument	2	0	59	0.7	62	61	57
General EE Knowledge - Interpret of Codes & Stand	1	0	26	0.4	33	36	14
General EE Knowledge - Computer Systems	1	0	41	0.5	51	29	36
Electronics - Electric Circuit Theory	4	25	50	1.1	51	46	54
Electronics - Electric & Magnetic Field Theory & Appl	3	67	44	0.8	46	29	40
Electronics - Components & Circuits	7	29	51	1.4	53	40	52
Control System Fundamentals	5	0	56	1.4	59	51	53
Control System Design/Implementation	1	0	34	0.5	37	7	40
Controls - Stability	4	0	58	1.2	61	48	61
Communications & Signal Processing	6	50	52	1.2	54	50	48
Communications - Noise & Interference	3	33	40	0.8	42	45	37
Telecommunications	3	100	59	0.9	70	40	51

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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National Council of Examiners for Engineering and Surveying  
Principles and Practice of Engineering Examination  
ABET - Accredited Programs

200704  
6/14/2007

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Electrical</b>	PM Exam:	<b>Electrical &amp; Computer-Power</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	6	726	322	139	193
Examinees Passing	1	328	179	60	67
Examinees Passing %	17	45	56	43	35

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Basic ELE - Professionalism and Engineering Econor	2	58	68	0.7	70	67	68
Basic ELE - Safety & Reliability	3	61	72	0.9	77	74	67
Basic ELE - Electric Circuits	10	50	56	1.9	58	55	54
Basic ELE - Electric & Magnetic Field Theory & Appli	1	100	83	0.4	85	86	80
Basic ELE - Computer Systems & Engr	2	75	79	0.6	82	78	76
Electronics, Circuits & Components - Components	6	39	44	1.3	47	43	41
Electronics, Circuits & Components - Materials	2	42	59	0.7	62	58	56
Controls & Communications Systems	6	50	64	1.4	66	64	63
Power - Transmission & Distribution	5	40	54	1.2	56	55	51
Power - Rotating Machines & Elecromagnetic Device	3	67	69	0.9	72	71	65
General Power - Measure, Instrument & Statistics	2	58	54	0.6	57	52	53
General Power - Special Applications	1	33	54	0.5	58	60	51
General Power - Codes, Standards & Special Appl	3	56	54	0.9	58	57	48
Circuit Analysis - Analysis	6	42	47	1.3	47	49	43
Circuit Analysis - Devices and Power Electronic Circu	3	56	58	0.9	59	59	53
Circuit Analysis - Electric and Magnetic Fields and A	2	50	55	0.7	60	56	48
Rotating Machines	7	81	78	1.2	80	76	75
Electromagnetic Devices	4	29	38	1.0	40	37	35
Transmission & Distrib - Systems Analysis	6	39	50	1.3	52	52	47
Transmission & Distrib - Power System Performance	2	42	45	0.7	44	48	46
Transmission & Distrib - Protection	4	58	55	1.0	58	56	50

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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National Council of Examiners for Engineering and Surveying  
Principles and Practice of Engineering Examination  
ABET - Accredited Programs

200704  
6/14/2007

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Mechanical</b>	PM Exam:	<b>Mechanical-HVAC</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	4	435	243	72	90		
Examinees Passing	3	226	143	33	42		
Examinees Passing %	75	52	59	46	47		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	75	60	1.6	63	59	56	
General - Codes & Standards - Fundamental Enginee	4	81	75	1.0	77	77	66
General - Codes & Standards - Interpretation of Code 2	2	88	81	0.6	81	85	80
Machine Design & Materials - Principles	4	25	44	1.1	47	40	39
Machine Design & Materials - Applications	3	83	60	0.9	65	55	55
Hydraulics & Fluids - Principles	4	81	60	1.2	62	62	56
Hydraulics & Fluids - Applications	3	67	72	0.9	75	70	69
Energy Conversion/Power Systems - Principles	4	50	41	1.2	44	34	40
Energy Conversion/Power Systems - Analysis of Sys	3	50	60	1.0	64	59	54
HVAC & Refrigeration - Principles	7	86	76	1.4	78	73	73
Fundamentals - Psychrometrics	6	75	57	1.4	59	54	52
Fundamentals - Principles	8	56	54	1.6	55	53	52
Equipment and Materials	14	68	55	2.3	58	51	53
Applications - Systems	9	56	45	1.8	48	46	41
Applications - Supportive Knowledges	3	83	60	0.8	63	56	56

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ABET - Accredited Programs

200704  
6/14/2007

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Mechanical</b>	PM Exam:	<b>Mechanical-Machine Design</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	2	344	189	55	74		
Examinees Passing	2	188	104	31	39		
Examinees Passing %	100	55	55	56	53		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	58	59	1.5	62	54	54	
General - Codes & Standards - Fundamental Enginee	4	100	78	0.9	81	73	75
General - Codes & Standards - Interpretation of Code 2	100	90	0.4	92	90	88	
Machine Design & Materials - Principles	4	75	63	1.0	65	62	58
Machine Design & Materials - Applications	3	83	71	0.8	75	67	67
Hydraulics & Fluids - Principles	4	88	64	1.2	69	58	61
Hydraulics & Fluids - Applications	3	50	76	0.8	77	75	74
Energy Conversion/Power Systems - Principles	4	25	43	1.1	43	39	44
Energy Conversion/Power Systems - Analysis of Sys	3	83	64	0.9	67	57	62
HVAC & Refrigeration - Principles	7	71	64	1.6	66	63	63
Engineering Principles	18	53	53	3.2	54	51	51
Machine Design - Components	14	50	57	2.8	58	59	53
Applications - Systems	4	88	57	1.0	58	55	55
Applications - Supportive Knowledge	4	75	63	1.1	64	63	59

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Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Mechanical</b>	PM Exam:	<b>Mechanical-Thermal &amp; Fluids</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	5	370	219	41	91		
Examinees Passing	3	210	142	23	34		
Examinees Passing %	60	57	65	56	37		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	70	61	1.6	65	59	52	
General - Codes & Standards - Fundamental Enginee	4	80	74	1.0	80	68	63
General - Codes & Standards - Interpretation of Code 2	100	82	0.6	83	84	80	
Machine Design & Materials - Principles	4	45	51	1.0	53	50	47
Machine Design & Materials - Applications	3	73	60	0.9	66	58	50
Hydraulics & Fluids - Principles	4	75	66	1.2	68	66	61
Hydraulics & Fluids - Applications	3	87	75	0.8	79	74	69
Energy Conversion/Power Systems - Principles	4	60	49	1.1	54	42	41
Energy Conversion/Power Systems - Analysis of Sys	3	87	67	1.0	72	71	57
HVAC & Refrigeration - Principles	7	83	66	1.7	70	67	59
Fundamentals - Engineering Principles	9	76	60	1.7	63	59	53
Fundamentals - Supportive Knowledges	4	55	50	1.0	50	54	50
Components - Hydraulic System Components	5	64	54	1.3	57	56	46
Components - Power Plant Components	9	49	48	1.9	52	49	41
Applications - System Applications	10	66	56	2.0	59	58	49
Applications - Supportive Knowledges	3	80	64	0.9	69	65	54

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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200704  
6/14/2007

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Mining/Mineral</b>	PM Exam:	<b>Civil-Geotechnical</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	2	9	5	2	0		
Examinees Passing	0	2	2	0	0		
Examinees Passing %	0	22	40	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	88	79	1.2	78	75	0
Breadth - Geotechnical	8	62	68	1.4	75	56	0
Breadth - Structural	8	88	83	1.3	85	69	0
Breadth - Transportation	8	56	46	1.2	45	56	0
Breadth - Water Resources	8	62	56	1.6	52	56	0
Subsurface Exploration & Sampling	3	50	37	0.6	40	50	0
Engineering Properties & Soil Mechanics	9	33	36	1.2	36	28	0
Foundations	9	39	48	1.1	51	50	0
Earth Retaining Structures & Seismic Engineering	5	30	49	1.0	52	40	0
Environmental	4	38	50	0.9	50	50	0
Structural	8	50	35	2.0	50	25	0
Transportation	2	75	61	1.0	70	100	0

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200704  
6/14/2007

Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Structural</b>	PM Exam:	<b>Civil-Structural</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	1	75	56	5	12		
Examinees Passing	1	51	40	3	7		
Examinees Passing %	100	68	71	60	58		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	75	74	1.4	75	70	71
Breadth - Geotechnical	8	50	54	1.5	54	62	54
Breadth - Structural	8	100	91	0.9	92	90	90
Breadth - Transportation	8	75	57	1.7	56	70	59
Breadth - Water Resources	8	88	64	1.6	65	68	54
Loading/Analysis	8	100	54	1.6	55	55	49
Mechanics of Materials/Materials	8	75	64	1.4	65	62	65
Member Design	6	50	57	1.2	56	63	58
Failure Analysis/Design Criteria	4	75	43	1.1	42	40	44
Geotechnical	10	90	68	1.6	71	68	57
Transportation	4	100	67	1.0	68	70	62

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