



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

200810

1/23/2009

Graduate of	Engineering					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	Agricultural	PM Exam:	Chemical			
	*Institution		National		Comparator Groupings	

Examinees Taking	1	1	1	0	0
Examinees Passing	1	1	1	0	0
Examinees Passing %	100	100	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 ***
Mass/Energy: Mass Balances	9	78	78	0.0	78	0	0
Mass/Energy: Energy Balances & Thermo	10	40	40	0.0	40	0	0
Fluids: Fluid Transport	2	100	100	0.0	100	0	0
Fluids: Mech-Energy Balance	9	67	67	0.0	67	0	0
Fluids: Flow Measurement	3	33	33	0.0	33	0	0
Heat Transfer: Mechanisms	5	20	20	0.0	20	0	0
Heat Transfer: Applications	8	75	75	0.0	75	0	0
Mass Transfer: Phase Equilibria	4	25	25	0.0	25	0	0
Mass Transfer Contactors (Absorption-etc)	5	80	80	0.0	80	0	0
Mass Transfer: Miscellaneous Separation Processes	1	0	0	0.0	0	0	0
Kinetics: Reaction Parameters	2	50	50	0.0	50	0	0
Kinetics: Reaction Rate	2	100	100	0.0	100	0	0
Kinetics: Reactor Design & Evaluation	3	33	33	0.0	33	0	0
Kinetics: Heterogenous Reaction Systems	2	50	50	0.0	50	0	0
Plant Design/Operation: Economic Considerations	2	50	50	0.0	50	0	0
Plant Design/Operation: Design & Operations	4	100	100	0.0	100	0	0
Plant Design/Operation: Safety	3	67	67	0.0	67	0	0
Plant Design/Operation: Environmental	2	0	0	0.0	0	0	0
Plant Design/Operation: Materials	2	0	0	0.0	0	0	0
Plant Design/Operation: Process Control	2	100	100	0.0	100	0	0

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

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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:	Agricultural	PM Exam:	Civil-Construction			
	*Institution	National	Comparator Groupings			

	1	7	3	0	4		
Examinees Taking	1	7	3	0	4		
Examinees Passing	1	3	2	0	1		
Examinees Passing %	100	43	67	0	25		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	100	73	1.6	88	0	62
Breadth - Geotechnical	8	88	41	2.8	54	0	31
Breadth - Structural	8	50	59	2.2	58	0	59
Breadth - Transportation	8	50	44	1.5	41	0	47
Breadth - Water Resources and Environmental	8	38	61	1.3	58	0	62
Earthwork Construction and Layout	4	25	64	1.3	58	0	69
Estimating Quantities and Costs	7	71	49	1.5	52	0	46
Construction Operations and Methods	6	83	67	1.3	55	0	75
Scheduling	7	86	69	0.9	71	0	68
Material Quality Control and Production	4	75	46	1.1	50	0	44
Temporary Structures	5	40	34	1.0	40	0	30
Worker Health, Safety, and Environment	3	33	71	0.9	44	0	92
Other Topics	4	75	50	0.8	50	0	50

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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:	Agricultural	PM Exam:	Civil-Water Resources			
	*Institution	National	Comparator Groupings			

Examinees Taking	3	44	37	0	7		
Examinees Passing	0	28	23	0	5		
Examinees Passing %	0	64	62	0	71		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	79	67	1.4	66	0	73
Breadth - Geotechnical	8	46	51	1.4	50	0	55
Breadth - Structural	8	75	59	1.5	58	0	64
Breadth - Transportation	8	29	53	1.7	51	0	64
Breadth - Water Resources and Environmental	8	58	77	1.2	76	0	82
Hydraulics - Closed Conduit	6	50	71	1.2	69	0	83
Hydraulics - Open Channel	6	50	74	1.3	73	0	76
Hydrology	6	33	59	1.2	59	0	57
Groundwater and Well Fields	3	56	61	0.9	59	0	71
Wastewater Treatment	6	44	56	1.6	55	0	59
Water Quality	6	56	61	1.1	62	0	57
Water Treatment	6	72	73	0.9	73	0	71
Engineering Economics	1	0	45	0.5	38	0	86

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Board Code:	71	School Code:	7101			
Major:	Agricultural	PM Exam:	Environmental			
	*Institution	National	Comparator Groupings			

Examinees Taking	1	3	3	0	0		
Examinees Passing	0	2	2	0	0		
Examinees Passing %	0	67	67	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 ***
Wastewater	11	64	64	1.0	64	0	0
Storm Water	6	67	83	1.0	83	0	0
Potable Water	11	18	52	3.2	52	0	0
Water Resources	6	50	61	1.2	61	0	0
Ambient Air	8	12	58	3.2	58	0	0
Emissions Sources	4	50	58	1.5	58	0	0
Control Strategies	8	38	67	2.5	67	0	0
Municipal Solid Waste (MSW), Commercial, and Ind.	11	73	70	1.5	70	0	0
Hazardous Waste, Special, and Radioactive Waste	9	56	78	2.0	78	0	0
Environmental Assessments	8	50	59	2.1	59	0	0
Remediation	8	38	54	1.5	54	0	0
Public Health and Safety	10	50	50	1.0	50	0	0

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

Examinees Taking	1	3	2	0	1		
Examinees Passing	1	3	2	0	1		
Examinees Passing %	100	100	100	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 ***
Breadth - Basic Engineering Practice	12	92	92	1.0	88	0	100
Breadth - Mechanical Systems and Materials	8	75	84	0.6	82	0	88
Breadth - Hydraulics and Fluids	7	86	81	0.6	78	0	86
Breadth - Energy and Power Systems	6	67	72	0.6	67	0	83
Breadth - HVAC and Refridgeration	7	71	66	0.6	64	0	71
MS&M - Statics	6	83	72	1.2	66	0	83
MS&M - Kinematics	3	100	55	1.2	66	0	33
MS&M - Dynamics	4	75	83	0.6	75	0	100
MS&M - Materials Properties	4	75	83	0.6	88	0	75
MS&M - Strength of Materials	7	71	52	1.5	50	0	57
MS&M - Mechanical Components	4	75	83	0.6	75	0	100
MS&M - Joints and Fasteners	4	75	92	0.6	88	0	100
MS&M - Vibration/Dynamic Analysis	4	50	67	1.2	50	0	100
MS&M - Materials and Process	4	75	67	0.6	62	0	75

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Board Code:	71	School Code:	7101				
Major:	Civil	PM Exam:	Civil-Construction				
	*Institution	National	Comparator Groupings				

	6	902	418	112	282		
Examinees Taking	6	902	418	112	282		
Examinees Passing	3	261	167	31	45		
Examinees Passing %	50	29	40	28	16		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	69	69	1.3	71	68	67
Breadth - Geotechnical	8	60	50	1.7	54	50	46
Breadth - Structural	8	73	67	1.6	70	67	64
Breadth - Transportation	8	67	52	1.7	56	49	48
Breadth - Water Resources and Environmental	8	64	59	1.6	61	60	54
Earthwork Construction and Layout	4	46	48	1.0	49	49	48
Estimating Quantities and Costs	7	43	49	1.6	54	48	46
Construction Operations and Methods	6	69	63	1.2	66	64	59
Scheduling	7	76	63	1.4	66	62	60
Material Quality Control and Production	4	50	42	1.0	45	44	38
Temporary Structures	5	50	42	1.0	43	45	41
Worker Health, Safety, and Environment	3	50	53	0.8	56	57	48
Other Topics	4	50	57	1.0	58	59	55

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

Examinees Taking	4	618	309	87	160		
Examinees Passing	1	285	180	32	50		
Examinees Passing %	25	46	58	37	31		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	66	68	1.3	70	67	65
Breadth - Geotechnical	8	72	67	1.6	72	66	60
Breadth - Structural	8	66	74	1.5	76	71	74
Breadth - Transportation	8	53	53	1.8	57	51	49
Breadth - Water Resources and Environmental	8	62	62	1.7	67	59	58
Subsurface Exploration & Sampling	3	75	84	0.7	88	84	77
Engineering Properties of Soils and Materials	5	90	71	1.1	76	69	63
Soil Mechanics Analysis	5	65	54	1.3	58	49	48
Earthquake Engineering	2	62	57	0.7	58	56	56
Earth Structures	4	31	52	1.0	55	49	47
Shallow Foundations	6	79	76	1.4	80	78	70
Earth Retaining Structures	6	46	48	1.4	52	46	43
Deep Foundations	4	56	58	1.0	62	56	52
Other Topics	5	65	53	1.2	56	53	45

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

	4	579	334	79	137		
Examinees Taking	2	343	220	41	62		
Examinees Passing	50	59	66	52	45		
Examinees Passing %	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	56	69	1.3	69	70	65
Breadth - Geotechnical	8	50	60	1.7	62	61	56
Breadth - Structural	8	78	86	1.1	87	83	84
Breadth - Transportation	8	66	59	1.7	62	54	53
Breadth - Water Resources and Environmental	8	53	66	1.7	68	64	59
Loadings	5	55	61	1.2	62	60	56
Analysis	5	50	64	1.2	64	64	63
Mechanics of Materials	5	55	64	1.1	65	66	61
Materials	5	60	61	1.3	65	56	54
Member Design	10	55	57	1.9	58	57	54
Design Criteria	5	55	41	1.2	44	36	39
Other Topics	5	60	60	1.3	63	56	55

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Board Code:	71	School Code:	7101			
Major:	Civil	PM Exam:	Civil-Transportation			
	*Institution	National	Comparator Groupings			

Examinees Taking	21	1,948	1,081	304	472		
Examinees Passing	10	881	575	122	145		
Examinees Passing %	48	45	53	40	31		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	65	67	1.3	69	68	63
Breadth - Geotechnical	8	57	49	1.6	51	49	45
Breadth - Structural	8	70	66	1.6	67	64	63
Breadth - Transportation	8	63	63	1.7	66	60	57
Breadth - Water Resources and Environmental	8	73	63	1.6	65	62	59
Traffic Analysis	9	74	70	1.8	73	68	64
Geometric Design	12	62	63	2.1	66	62	58
Transportation Planning	3	76	69	0.9	73	67	63
Traffic Safety	6	67	60	1.3	64	59	55
Other Topics	10	66	62	1.8	64	61	60

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Board Code:	71	School Code:	7101				
Major:	Civil	PM Exam:	Civil-Water Resources				
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Examinees Taking	10	1,363	774	216	286		
Examinees Passing	5	698	460	84	103		
Examinees Passing %	50	51	59	39	36		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	65	67	1.3	68	66	65
Breadth - Geotechnical	8	51	52	1.6	53	50	47
Breadth - Structural	8	69	67	1.6	69	63	66
Breadth - Transportation	8	42	54	1.8	56	52	50
Breadth - Water Resources and Environmental	8	67	70	1.6	72	68	65
Hydraulics - Closed Conduit	6	78	69	1.2	71	68	64
Hydraulics - Open Channel	6	58	69	1.4	72	63	63
Hydrology	6	48	52	1.4	55	49	47
Groundwater and Well Fields	3	70	64	0.9	66	62	58
Wastewater Treatment	6	53	53	1.5	56	49	46
Water Quality	6	55	57	1.2	59	55	53
Water Treatment	6	75	72	1.1	73	71	68
Engineering Economics	1	40	50	0.5	51	45	51

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

	1	306	224	33	30		
Examinees Taking	1	306	224	33	30		
Examinees Passing	0	118	90	11	10		
Examinees Passing %	0	39	40	33	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	50	65	1.2	65	69	66
Analysis of Structures-Lateral Forces	6	83	70	1.0	71	72	64
Analysis of Structures-Lateral Force Distribution	9	33	72	1.9	73	68	63
Analysis of Structures-Methods	4	50	49	1.1	49	40	52
Design and Details of Structures-General Structural C 6	6	67	58	1.4	59	53	53
Design and Details of Structures-Steel (AISC-AASHT 14	14	50	61	2.2	61	56	63
Design and Details of Structures-Concrete (AASHTO 13	13	54	60	2.3	61	57	55
Design and Details of Structures-Wood (NDS-ASD) 7	7	43	45	1.6	46	46	40
Design and Details of Structures-Masonry (ACI 530-L 7	7	29	59	1.6	61	54	53
Design and Details of Structures-Foundations & Reta 8	8	25	62	1.5	63	62	61

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Board Code:	71	School Code:	7101				
Major:	Electrical	PM Exam:	Electrical & Computer-Power				
	*Institution	National	Comparator Groupings				

Examinees Taking	7	818	383	144	211
Examinees Passing	5	442	242	62	98
Examinees Passing %	71	54	63	43	46

	# 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	64	70	0.6	71	69	67
Basic ELE - Safety & Reliability	3	67	64	0.9	69	60	56
Basic ELE - Electric Circuits	10	41	54	2.1	57	49	51
Basic ELE - Electric & Magnetic Field Theory & Appli	1	71	46	0.5	51	46	42
Basic ELE - Computer Systems & Engr	2	93	78	0.6	82	75	72
Electronics, Circuits & Components - Components	6	55	58	1.2	60	56	56
Electronics, Circuits & Components - Materials	2	50	55	0.7	58	53	52
Controls & Communications Systems	6	50	53	1.4	56	52	51
Power - Transmission & Distribution	5	49	58	1.3	61	55	56
Power - Rotating Machines & Elecromagnetic Device	3	81	67	1.0	73	64	61
General Power - Measure, Instrument & Statistics	2	43	44	0.7	50	40	38
General Power - Special Applications	1	29	39	0.5	39	39	40
General Power - Codes, Standards & Special Appls	3	38	55	0.9	60	52	50
Circuit Analysis - Analysis	6	48	46	1.4	49	44	42
Circuit Analysis - Devices and Power Electronic Circu	3	52	49	0.9	54	47	42
Circuit Analysis - Electric and Magnetic Fields and Ap	2	36	52	0.7	54	47	50
Rotating Machines	7	41	51	1.4	54	47	48
Electromagnetic Devices	4	39	37	1.0	39	35	34
Transmission & Distrib - Systems Analysis	6	41	45	1.4	49	43	40
Transmission & Distrib - Power System Performance	2	43	52	0.7	56	49	51
Transmission & Distrib - Protection	4	71	70	1.0	73	67	67

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

200810
1/23/2009

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

	1	441	241	87	82		
Examinees Taking	1	314	189	52	53		
Examinees Passing	100	71	78	60	65		
Examinees Passing %							
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Basic Engineering Practice	12	100	82	1.6	83	79	80
Breadth - Mechanical System and Materials	8	75	71	1.3	72	69	71
Breadth - Hydraulics and Fluids	7	86	82	1.2	83	78	81
Breadth - Energy and Power Systems	6	67	66	1.4	70	61	62
Breadth - HVAC and Refrigeration	7	86	71	1.3	71	70	70
HVAC - Thermodynamics	3	67	62	0.8	65	56	59
HVAC - Psychrometrics	6	67	71	1.4	75	66	64
HVAC - Heat Transfer	5	80	55	1.3	60	51	47
HVAC - Fluid Mechanics	3	67	53	0.9	56	45	51
HVAC - Compressible Flow	1	100	40	0.5	40	43	39
HVAC - Energy Balances	4	100	83	0.9	84	76	83
HVAC - Equipment and Components	8	62	72	1.4	73	69	73
HVAC - Systems	7	57	60	1.6	61	58	55
HVAC - Supportive Knowledge	3	33	58	0.8	60	57	57

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200810
1/23/2009

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

Examinees Taking	4	370	210	55	75		
Examinees Passing	1	204	130	22	31		
Examinees Passing %	25	55	62	40	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 - Basic Engineering Practice	12	79	79	1.7	81	77	76
Breadth - Mechanical Systems and Materials	8	84	82	1.4	83	79	79
Breadth - Hydraulics and Fluids	7	71	77	1.3	79	76	72
Breadth - Energy and Power Systems	6	62	60	1.6	62	56	55
Breadth - HVAC and Refrigeration	7	64	53	1.6	55	48	46
MS&M - Statics	6	42	56	1.5	59	55	45
MS&M - Kinematics	3	33	50	0.9	54	45	44
MS&M - Dynamics	4	56	46	1.1	48	45	41
MS&M - Materials Properties	4	81	77	0.9	79	70	72
MS&M - Strength of Materials	7	40	52	1.7	55	50	47
MS&M - Mechanical Components	4	56	73	1.1	76	70	67
MS&M - Joints and Fasteners	4	75	69	1.0	69	71	66
MS&M - Vibration/Dynamic Analysis	4	56	52	0.9	53	48	51
MS&M - Materials and Process	4	50	67	1.0	69	66	59

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

Examinees Taking	2	425	246	53	90		
Examinees Passing	2	256	170	28	35		
Examinees Passing %	100	60	69	53	39		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Basic Engineering Practice	12	75	79	1.8	82	81	71
Breadth - Mechanical Systems and Materials	8	82	75	1.3	77	75	70
Breadth - Hydraulics and Fluids	7	78	85	1.1	87	81	80
Breadth - Energy and Power Systems	6	50	66	1.5	70	63	56
Breadth - HVAC and Refrigeration	7	64	59	1.5	63	56	52
T&FS - Materials Properties	2	50	54	0.7	60	44	44
T&FS - Fluid Mechanics	4	88	74	1.0	78	69	65
T&FS - Heat Transfer Principles	4	50	44	1.1	49	42	34
T&FS - Mass Transfer Principles	3	84	62	0.9	64	61	56
T&FS - Thermodynamics	4	50	54	1.0	56	52	48
T&FS - Related Principles	1	50	68	0.5	70	72	67
T&FS - Equipment	7	71	59	1.6	63	56	50
T&FS - Systems	13	69	59	2.7	62	56	52
T&FS - Codes and Standards	2	50	83	0.6	87	85	72

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

Examinees Taking	1	6	5	1	0		
Examinees Passing	0	3	3	0	0		
Examinees Passing %	0	50	60	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 - Construction	8	75	73	0.8	75	62	0
Breadth - Geotechnical	8	12	46	1.6	45	50	0
Breadth - Structural	8	38	59	1.9	63	38	0
Breadth - Transportation	8	25	40	1.9	45	12	0
Breadth - Water Resources and Environmental	8	75	75	1.1	75	75	0
Hydraulics - Closed Conduit	6	50	67	1.3	70	50	0
Hydraulics - Open Channel	6	67	70	1.2	73	50	0
Hydrology	6	33	56	1.5	57	50	0
Groundwater and Well Fields	3	67	61	0.4	67	33	0
Wastewater Treatment	6	67	50	1.3	53	33	0
Water Quality	6	50	64	1.2	60	83	0
Water Treatment	6	67	78	1.2	80	67	0
Engineering Economics	1	0	33	0.5	40	0	0

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ABET - Accredited Programs

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1/23/2009

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

	3	40	25	9	0		
Examinees Taking	3	40	25	9	0		
Examinees Passing	2	30	15	9	0		
Examinees Passing %	67	75	60	100	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Exploration: Methods & techniques	2	83	60	0.7	58	67	0
Exploration: Deposits modeling	1	33	46	0.5	36	44	0
Exploration: Geo conditions characterize site	2	50	59	0.7	56	67	0
Exploration: E&E resources/reserves	3	78	71	0.8	71	63	0
Mine Plan/Oper: Methods & layouts	9	70	60	2.0	57	71	0
Mine Plan/Oper: Equip, Fac, Systems	12	64	58	2.0	59	63	0
Mine Plan/Oper: E&D ground Control	9	71	64	1.3	68	62	0
Mine Plan/Oper: O&M mines & systems	6	61	72	1.4	73	69	0
Mineral Proc: Lab & Pilot T&A	4	67	50	0.9	53	47	0
Mineral Proc: D&E process flowsheets	9	85	70	1.7	69	76	0
Mineral Proc: P&D equip, fac & systems	8	71	56	1.9	60	49	0
Mineral Proc: O&M plants & facilities	3	67	54	0.9	56	52	0
Env & Reclaim: S, M & PE characterization	3	67	55	1.0	56	52	0
Env & Reclaim: M&P impact design	4	83	62	1.2	63	69	0
Env & Reclaim: O&M Env Plan	2	100	76	0.6	76	83	0
Env & Reclaim: Close & Reclaim site	3	100	89	0.5	89	89	0

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

Examinees Taking	1	91	68	1	18		
Examinees Passing	1	67	53	1	12		
Examinees Passing %	100	74	78	100	67		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Construction	8	62	69	1.1	69	50	67
Breadth - Geotechnical	8	62	62	1.4	63	75	64
Breadth - Structural	8	88	88	1.0	89	88	88
Breadth - Transportation	8	50	60	1.7	61	88	56
Breadth - Water Resources and Environmental	8	75	67	1.5	68	50	65
Loadings	5	100	65	1.2	64	80	71
Analysis	5	60	72	1.0	74	80	70
Mechanics of Materials	5	60	72	1.0	74	80	70
Materials	5	60	69	1.0	72	40	61
Member Design	10	50	64	1.7	64	70	64
Design Criteria	5	40	46	1.1	48	20	41
Other Topics	5	40	63	1.3	61	20	78

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Graduate of	Engineering						
Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	Structural	PM Exam:	Structural I				
	*Institution	National	Comparator Groupings				

	1	156	111	15	16		
Examinees Taking	1	156	111	15	16		
Examinees Passing	0	61	45	4	6		
Examinees Passing %	0	39	41	27	38		
	# 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	17	64	1.3	64	67	69
Analysis of Structures-Lateral Forces	6	50	67	1.1	68	64	66
Analysis of Structures-Lateral Force Distribution	9	67	73	1.8	72	69	72
Analysis of Structures-Methods	4	50	50	1.0	48	50	62
Design and Details of Structures-General Structural C 6	6	67	58	1.4	59	50	58
Design and Details of Structures-Steel (AISC-AASHT 14	64	64	58	2.5	59	55	52
Design and Details of Structures-Concrete (AASHTO 13	54	54	60	2.3	60	55	63
Design and Details of Structures-Wood (NDS-ASD) 7	43	43	45	1.7	48	31	32
Design and Details of Structures-Masonry (ACI 530-L 7	86	86	57	1.7	57	50	57
Design and Details of Structures-Foundations & Reta 8	100	100	62	1.4	62	56	64

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