

NCEES

Principles and Practice of Engineering Examination

ABET - Accredited Programs

Graduates **Engineering**
Subject Matter Report by Major and PM Examination

Institution:
University of Kentucky, Lexington
School Code: **7101**
PM Exam **PE - Agricultural**

Board Code: **71**
Major **Agricultural**

| | *Institution | National | Carnegie Comparator |
|---------------------|--------------|----------|------------------------|
| Examinees Taking | 1 | 17 | 8 |
| Examinees Passing | 1 | 13 | 6 |
| Examinees Passing % | 100 | 76 | 75 |

| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |
|--|---------------------|---------------------------------|---------------------------------|---|--------------------------------------|
|--|---------------------|---------------------------------|---------------------------------|---|--------------------------------------|

Subject

| | | | | | |
|---|---|-----|-----|-----|-----|
| Engineering Principles and Professional Practices: Circuits; Controls; and Sensors | 4 | 50 | 49 | 1.1 | 41 |
| Engineering Principles and Professional Practices: Codes; Graphics; and Safety | 2 | 100 | 82 | 0.6 | 81 |
| Engineering Principles and Professional Practices: Economics and Statistics | 4 | 75 | 53 | 1.0 | 50 |
| Engineering Principles and Professional Practices: Physical Operations | 6 | 50 | 61 | 1.0 | 54 |
| Facility Engineering: Plant; Animal; and Commodity Environments and Structures: Environment | 6 | 100 | 69 | 0.9 | 67 |
| Facility Engineering: Plant; Animal; and Commodity Environments and Structures: Structures | 6 | 83 | 52 | 1.1 | 48 |
| Machine Systems: Power; Electrical-Electronic; Machines; Controls; and Sensors: Agricultural Machines | 5 | 80 | 55 | 1.7 | 45 |
| Machine Systems: Power; Electrical-Electronic; Machines; Controls; and Sensors: Machine System Design | 6 | 100 | 64 | 1.4 | 67 |
| Machine Systems: Power; Electrical-Electronic; Machines; Controls; and Sensors: Power Systems | 4 | 75 | 76 | 0.8 | 81 |
| Machine Systems: Power; Electrical-Electronic; Machines; Controls; and Sensors: Power Transmission Systems | 5 | 100 | 69 | 1.2 | 73 |
| Natural Resource Engineering: Soil; Water; and Plant Systems: Applications | 9 | 78 | 66 | 1.8 | 75 |
| Natural Resource Engineering: Soil; Water; and Plant Systems: Fundamentals | 6 | 83 | 72 | 1.2 | 79 |
| Natural Resource Engineering: Soil; Water; and Plant Systems: Interactions among Natural Resources | 9 | 44 | 63 | 1.5 | 58 |
| Process Engineering: Food; Feed; Fiber; and Fuel Products: Energy Sources (e.g. Fossil Fuels; Solar; Wind; Biomass; Hydro) | 1 | 100 | 100 | 0.0 | 100 |
| Process Engineering: Food; Feed; Fiber; and Fuel Products: Facilities Layouts; Including Functional and Space Requirements for Processing Facilities (e.g. Animal Products; Plant Products; Grain; Layout; Storage) | 1 | 100 | 94 | 0.2 | 100 |
| Process Engineering: Food; Feed; Fiber; and Fuel Products: Mass Transfer Between Phases (e.g. Drying; Extraction; Leaching; Evaporative Cooling) | 3 | 100 | 71 | 0.9 | 71 |
| Process Engineering: Food; Feed; Fiber; and Fuel Products: Material Properties | 3 | 100 | 67 | 0.9 | 71 |

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NCEES
Principles and Practice of Engineering Examination
 ABET - Accredited Programs

| | | | |
|---|--------------------|--|----------------------------------|
| Graduates | Engineering | Institution: | |
| Subject Matter Report by Major and PM Examination | | University of Kentucky, Lexington | |
| Board Code: | 71 | School Code: | 7101 |
| Major | Civil | PM Exam | PE - Civil - Construction |

| | *Institution | National | Carnegie Comparator |
|---------------------|--------------|----------|---------------------|
| Examinees Taking | 8 | 730 | 194 |
| Examinees Passing | 4 | 297 | 95 |
| Examinees Passing % | 50 | 41 | 49 |

| # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |
|------------------|---------------------------|------------------------|--------------------------------|--------------------------------|
|------------------|---------------------------|------------------------|--------------------------------|--------------------------------|

AM Subject

| | | | | | |
|---------------------------------|---|----|----|-----|----|
| Construction | 8 | 84 | 73 | 1.5 | 77 |
| Geotechnical | 8 | 63 | 62 | 1.6 | 63 |
| Structural | 8 | 77 | 77 | 1.5 | 78 |
| Transportation | 8 | 70 | 65 | 1.7 | 68 |
| Water Resources & Environmental | 8 | 69 | 63 | 1.7 | 66 |

PM Subject

| | | | | | |
|--|---|----|----|-----|----|
| Earthwork Construction & Layout | 4 | 44 | 50 | 1.1 | 50 |
| Estimating Quantities & Costs | 7 | 79 | 66 | 1.4 | 71 |
| Construction Operations & Methods | 6 | 54 | 51 | 1.3 | 54 |
| Scheduling | 7 | 77 | 76 | 1.3 | 78 |
| Material Quality Control & Production | 4 | 59 | 48 | 0.9 | 52 |
| Temporary Structures | 5 | 40 | 48 | 1.3 | 51 |
| Worker - Health & Safety & Environment | 3 | 67 | 65 | 0.7 | 68 |
| Other Topics | 4 | 53 | 55 | 1.0 | 60 |

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NCEES
Principles and Practice of Engineering Examination
 ABET - Accredited Programs

| | | | |
|---|--------------------|--------------|--|
| Graduates | Engineering | Institution: | University of Kentucky, Lexington |
| Subject Matter Report by Major and PM Examination | | School Code: | 7101 |
| Board Code: | 71 | PM Exam | PE - Civil - Geotechnical |
| Major | Civil | | |

| | *Institution | National | | Carnegie Comparator |
|---------------------|------------------|---------------------------|------------------------|--------------------------------|
| Examinees Taking | 2 | 350 | | 81 |
| Examinees Passing | 1 | 200 | | 46 |
| Examinees Passing % | 50 | 57 | | 57 |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** |
| | | | | Prof+A&S/HGC AVG % Correct *** |

AM Subject

| | | | | | |
|---------------------------------|---|----|----|-----|----|
| Construction | 8 | 69 | 71 | 1.6 | 73 |
| Geotechnical | 8 | 69 | 74 | 1.5 | 75 |
| Structural | 8 | 50 | 80 | 1.5 | 79 |
| Transportation | 8 | 44 | 69 | 1.7 | 71 |
| Water Resources & Environmental | 8 | 75 | 64 | 1.8 | 66 |

PM Subject

| | | | | | |
|---|---|-----|----|-----|----|
| Subsurface Exploration & Sampling | 3 | 100 | 71 | 0.8 | 73 |
| Engineering Properties of Soils & Materials | 5 | 50 | 66 | 1.1 | 63 |
| Soil Mechanics Analysis | 5 | 60 | 61 | 1.4 | 65 |
| Earthquake Engineering | 2 | 100 | 81 | 0.6 | 81 |
| Earth Structures | 4 | 63 | 55 | 1.0 | 58 |
| Shallow Foundations | 6 | 75 | 74 | 1.4 | 73 |
| Earth Retaining Structures Including Temporary Structures | 7 | 71 | 63 | 1.5 | 63 |
| Deep Foundations | 4 | 25 | 47 | 1.1 | 50 |
| Other Topics | 4 | 63 | 54 | 1.0 | 54 |

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Principles and Practice of Engineering Examination
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| | | | |
|---|--------------------|--------------|--|
| Graduates | Engineering | Institution: | University of Kentucky, Lexington |
| Subject Matter Report by Major and PM Examination | | School Code: | 7101 |
| Board Code: | 71 | PM Exam | PE - Civil - Structural |
| Major | Civil | | |

| | *Institution | National | Carnegie Comparator |
|---------------------|---------------------|-----------------|----------------------------|
| Examinees Taking | 4 | 639 | 195 |
| Examinees Passing | 3 | 454 | 140 |
| Examinees Passing % | 75 | 71 | 72 |

| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |
|--|-------------------------|----------------------------------|-------------------------------|---------------------------------------|---|
|--|-------------------------|----------------------------------|-------------------------------|---------------------------------------|---|

AM Subject

| | | | | | |
|---------------------------------|---|----|----|-----|----|
| Construction | 8 | 84 | 80 | 1.4 | 80 |
| Geotechnical | 8 | 69 | 68 | 1.5 | 68 |
| Structural | 8 | 97 | 92 | 0.9 | 92 |
| Transportation | 8 | 69 | 75 | 1.6 | 75 |
| Water Resources & Environmental | 8 | 78 | 71 | 1.7 | 71 |

PM Subject

| | | | | | |
|------------------------|----|----|----|-----|----|
| Loadings | 5 | 85 | 67 | 1.2 | 69 |
| Analysis | 5 | 65 | 59 | 1.4 | 58 |
| Mechanics of Materials | 5 | 85 | 67 | 1.2 | 68 |
| Materials | 5 | 65 | 65 | 1.1 | 68 |
| Member Design | 10 | 63 | 51 | 2.0 | 51 |
| Design Criteria | 5 | 60 | 58 | 1.1 | 58 |
| Other Topics | 5 | 55 | 53 | 1.2 | 54 |

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|---|--------------------|--------------|--|
| Graduates | Engineering | Institution: | University of Kentucky, Lexington |
| Subject Matter Report by Major and PM Examination | | School Code: | 7101 |
| Board Code: | 71 | PM Exam | PE - Civil - Transportation |
| Major | Civil | | |

| | *Institution | National | Carnegie Comparator | | |
|---------------------|-------------------------|----------------------------------|-------------------------------|---------------------------------------|---|
| Examinees Taking | 6 | 1,150 | 372 | | |
| Examinees Passing | 4 | 591 | 215 | | |
| Examinees Passing % | 67 | 51 | 58 | | |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

AM Subject

| | | | | | |
|---------------------------------|---|----|----|-----|----|
| Construction | 8 | 75 | 67 | 1.6 | 69 |
| Geotechnical | 8 | 63 | 59 | 1.6 | 60 |
| Structural | 8 | 77 | 74 | 1.6 | 75 |
| Transportation | 8 | 81 | 74 | 1.6 | 76 |
| Water Resources & Environmental | 8 | 73 | 63 | 1.8 | 64 |

PM Subject

| | | | | | |
|-------------------------|----|----|----|-----|----|
| Traffic Analysis | 9 | 70 | 61 | 1.8 | 64 |
| Geometric Design | 12 | 74 | 68 | 2.1 | 70 |
| Transportation Planning | 3 | 78 | 73 | 0.8 | 73 |
| Traffic Safety | 6 | 83 | 73 | 1.3 | 75 |
| Other Topics | 10 | 67 | 62 | 1.5 | 63 |

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| | | |
|--|---------------------|---|
| Graduates Subject Matter Report by Major and PM Examination | Engineering | Institution: University of Kentucky, Lexington |
| Board Code: Major | 71 Civil | School Code: PM Exam 7101 PE - Civil - Water Resources and Environmental |

| | *Institution | National | Carnegie Comparator |
|---------------------|-------------------------|----------------------------------|---|
| Examinees Taking | 6 | 705 | 215 |
| Examinees Passing | 2 | 429 | 125 |
| Examinees Passing % | 33 | 61 | 58 |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct |
| | | | National Standard Deviation ** |
| | | | Prof+A&S/HGC AVG % Correct *** |

AM Subject

| | | | | | |
|---------------------------------|---|----|----|-----|----|
| Construction | 8 | 63 | 69 | 1.6 | 70 |
| Geotechnical | 8 | 50 | 60 | 1.6 | 60 |
| Structural | 8 | 71 | 76 | 1.5 | 75 |
| Transportation | 8 | 63 | 67 | 1.7 | 68 |
| Water Resources & Environmental | 8 | 67 | 74 | 1.6 | 75 |

PM Subject

| | | | | | |
|------------------------------|---|----|----|-----|----|
| Hydraulics -- Closed Conduit | 6 | 64 | 64 | 1.2 | 62 |
| Hydraulics -- Open Channel | 6 | 58 | 55 | 1.5 | 54 |
| Hydrology | 6 | 81 | 74 | 1.1 | 73 |
| Groundwater and Well Fields | 3 | 22 | 42 | 0.9 | 39 |
| Wastewater Treatment | 6 | 58 | 51 | 1.4 | 52 |
| Water Quality | 6 | 81 | 67 | 1.2 | 67 |
| Water Treatment | 6 | 67 | 62 | 1.3 | 62 |
| Engineering Economics | 1 | 50 | 38 | 0.5 | 35 |

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NCEES

Principles and Practice of Engineering Examination

ABET - Accredited Programs

Graduates **Engineering**
 Subject Matter Report by Major and PM Examination
 Board Code: **71**
 Major **Electrical**

Institution:
University of Kentucky, Lexington
 School Code: **7101**
 PM Exam **PE - Control Systems**

| | *Institution | National | | Carnegie Comparator | |
|---------------------|---------------------|---------------------------------|------------------------------|---|--------------------------------------|
| Examinees Taking | 1 | 80 | | 33 | |
| Examinees Passing | 1 | 63 | | 26 | |
| Examinees Passing % | 100 | 79 | | 79 | |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

Subject

| | | | | | |
|--|----|-----|----|-----|----|
| Measurement | 16 | 81 | 69 | 2.5 | 71 |
| Signals; Transmission; and Networking: Signals | 4 | 75 | 73 | 0.8 | 70 |
| Signals; Transmission; and Networking: Transmission | 4 | 100 | 74 | 0.9 | 73 |
| Signals; Transmission; and Networking: Networking | 4 | 100 | 78 | 0.7 | 80 |
| Final Control Elements: Valves | 7 | 71 | 74 | 1.5 | 74 |
| Final Control Elements: Pressure Relieving Devices | 3 | 33 | 55 | 0.9 | 51 |
| Final Control Elements: Motor Controls | 4 | 75 | 78 | 0.8 | 78 |
| Final Control Elements: Other Final Control Elements | 2 | 100 | 75 | 0.6 | 77 |
| Control Systems: Drawings | 4 | 50 | 67 | 1.0 | 70 |
| Control Systems: Theory | 6 | 50 | 54 | 1.3 | 55 |
| Control Systems: Implementation | 8 | 63 | 62 | 1.6 | 61 |
| Safety Systems: Basic documentation | 2 | 50 | 63 | 0.5 | 59 |
| Safety Systems: Theory | 4 | 75 | 83 | 0.8 | 83 |
| Safety Systems: Implementation | 6 | 50 | 66 | 1.3 | 63 |
| Codes; Standards; and Regulations | 6 | 83 | 66 | 1.3 | 64 |

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| | | |
|--|--------------------------|--|
| Graduates Subject Matter Report by Major and PM Examination | Engineering | Institution: University of Kentucky, Lexington |
| Board Code: Major | 71 Electrical | School Code: PM Exam 7101 PE - Electrical and Computer: |

| | *Institution | National | Carnegie Comparator | | |
|---------------------|-----------------------------|--|---|---|---|
| Examinees Taking | 8 | 831 | 244 | | |
| Examinees Passing | 4 | 430 | 143 | | |
| Examinees Passing % | 50 | 52 | 59 | | |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

Subject

| | | | | | |
|--|----|----|----|-----|----|
| General Power Engineering: Measurement & Instrumentation | 6 | 58 | 60 | 1.2 | 61 |
| General Power Engineering: Special Applications | 8 | 66 | 71 | 1.4 | 72 |
| General Power Engineering: Codes & Standards | 10 | 78 | 70 | 1.7 | 71 |
| Circuit Analysis: Analysis | 9 | 62 | 59 | 2.0 | 61 |
| Circuit Analysis: Devices & Power Electronic Circuits | 7 | 54 | 57 | 1.7 | 56 |
| Rotating Machines & Electromagnetic Devices: Rotating Machines | 10 | 79 | 77 | 1.4 | 78 |
| Rotating Machines & Electromagnetic Devices: Electromagnetic Devices | 6 | 56 | 56 | 1.4 | 58 |
| Transmissions & Distribution: System Analysis | 10 | 69 | 72 | 2.0 | 74 |
| Transmissions & Distribution: Power System Performance | 6 | 44 | 51 | 1.4 | 52 |
| Transmissions & Distribution: Protection | 8 | 67 | 58 | 1.5 | 61 |

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Principles and Practice of Engineering Examination
 ABET - Accredited Programs

| | | |
|--|--------------------------|--|
| Graduates Subject Matter Report by Major and PM Examination | Engineering | Institution: University of Kentucky, Lexington |
| Board Code: Major | 71 Mechanical | School Code: PM Exam 7101 PE - Electrical and Computer: Power |

| | *Institution | National | Carnegie Comparator | | |
|---------------------|---------------------|---------------------------------|---------------------------------|---|--------------------------------------|
| Examinees Taking | 1 | 19 | 3 | | |
| Examinees Passing | 1 | 11 | 2 | | |
| Examinees Passing % | 100 | 58 | 67 | | |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

Subject

| | | | | | |
|--|----|-----|----|-----|----|
| General Power Engineering: Measurement & Instrumentation | 6 | 83 | 61 | 1.0 | 61 |
| General Power Engineering: Special Applications | 8 | 88 | 74 | 1.1 | 83 |
| General Power Engineering: Codes & Standards | 10 | 100 | 73 | 1.7 | 83 |
| Circuit Analysis: Analysis | 9 | 78 | 55 | 2.2 | 67 |
| Circuit Analysis: Devices & Power Electronic Circuits | 7 | 57 | 59 | 1.4 | 67 |
| Rotating Machines & Electromagnetic Devices: Rotating Machines | 10 | 80 | 74 | 1.6 | 77 |
| Rotating Machines & Electromagnetic Devices: Electromagnetic Devices | 6 | 67 | 61 | 1.4 | 72 |
| Transmissions & Distribution: System Analysis | 10 | 100 | 72 | 2.0 | 77 |
| Transmissions & Distribution: Power System Performance | 6 | 83 | 53 | 1.4 | 78 |
| Transmissions & Distribution: Protection | 8 | 63 | 60 | 1.5 | 75 |

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| | | |
|---|--------------------|---|
| Graduates | Engineering | Institution: |
| Subject Matter Report by Major and PM Examination | | University of Kentucky, Lexington |
| Board Code: | 71 | School Code: 7101 |
| Major | Mechanical | PM Exam PE - Mechanical - HVAC and Refrigeration |

| | *Institution | National | | Carnegie Comparator | |
|---------------------|---------------------|---------------------------------|------------------------------|---|--------------------------------------|
| Examinees Taking | 2 | 397 | | 116 | |
| Examinees Passing | 2 | 303 | | 88 | |
| Examinees Passing % | 100 | 76 | | 76 | |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

AM Subject

| | | | | | |
|---|----|-----|----|-----|----|
| Basic Engineering Practice | 12 | 67 | 80 | 1.8 | 80 |
| Mechanical Systems & Materials: Principles | 5 | 30 | 48 | 1.2 | 47 |
| Mechanical Systems & Materials: Applications | 3 | 33 | 61 | 0.8 | 59 |
| Hydraulics & Fluids: Principles | 3 | 100 | 83 | 0.7 | 82 |
| Hydraulics & Fluids: Applications | 4 | 38 | 58 | 1.2 | 52 |
| Energy & Power Systems: Principles | 3 | 83 | 76 | 0.8 | 77 |
| Energy & Power Systems: Applications | 3 | 50 | 43 | 0.9 | 43 |
| HVAC & Refrigeration: Principles | 4 | 88 | 77 | 1.1 | 70 |
| HVAC & Refrigeration: Applications | 3 | 50 | 72 | 0.9 | 69 |

PM Subject

| | | | | | |
|--|---|----|----|-----|----|
| Principles: Thermodynamics | 3 | 67 | 58 | 0.9 | 58 |
| Principles: Psychrometrics | 6 | 75 | 66 | 1.3 | 67 |
| Principles: Heat Transfer | 5 | 70 | 58 | 1.1 | 55 |
| Principles: Fluid Mechanics | 3 | 50 | 52 | 0.8 | 49 |
| Principles: Compressible Flow | 1 | 50 | 53 | 0.5 | 50 |
| Principles: Energy Balances | 4 | 50 | 61 | 1.1 | 59 |
| Applications: Equipment and Components | 8 | 56 | 59 | 1.8 | 57 |
| Applications: Systems | 7 | 43 | 49 | 1.4 | 48 |
| Applications: Supportive Knowledges | 3 | 50 | 51 | 0.9 | 51 |

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|---|--------------------|---|
| Graduates | Engineering | Institution: |
| Subject Matter Report by Major and PM Examination | | University of Kentucky, Lexington |
| Board Code: | 71 | School Code: |
| Major | Mechanical | 7101 |
| | | PM Exam |
| | | PE - Mechanical - Mechanical Systems and Materials |

| | *Institution | National | | | Carnegie Comparator |
|---------------------|---------------------|---------------------------------|------------------------------|---|--------------------------------------|
| Examinees Taking | 1 | 403 | | | 129 |
| Examinees Passing | 1 | 255 | | | 79 |
| Examinees Passing % | 100 | 63 | | | 61 |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

AM Subject

| | | | | | |
|--|----|-----|----|-----|----|
| Basic Engineering Practice | 12 | 92 | 83 | 1.5 | 83 |
| Mechanical Systems & Materials: Principles | 5 | 100 | 62 | 1.3 | 58 |
| Mechanical Systems & Materials: Applications | 3 | 100 | 75 | 0.7 | 74 |
| Hydraulics & Fluids: Principles | 3 | 100 | 84 | 0.7 | 83 |
| Hydraulics & Fluids: Applications | 4 | 75 | 57 | 1.1 | 58 |
| Energy & Power Systems: Principles | 3 | 100 | 74 | 0.8 | 76 |
| Energy & Power Systems: Applications | 3 | 100 | 38 | 0.9 | 40 |
| HVAC & Refrigeration: Principles | 4 | 100 | 55 | 1.2 | 56 |
| HVAC & Refrigeration: Applications | 3 | 100 | 60 | 0.9 | 61 |

PM Subject

| | | | | | |
|---|---|-----|----|-----|----|
| Principles: Statics (free-body diagrams) | 6 | 83 | 46 | 1.5 | 47 |
| Principles: Kinematics (linear & rotational motion) | 3 | 100 | 57 | 0.9 | 58 |
| Principles: Dynamics (particle & rigid body) | 4 | 100 | 61 | 1.0 | 61 |
| Principles: Materials Properties (physical) | 4 | 100 | 63 | 1.0 | 60 |
| Principles: Strength of Materials (stress & strain) | 7 | 86 | 55 | 1.3 | 56 |
| Applications: Mechanical Components | 4 | 75 | 58 | 1.2 | 58 |
| Applications: Joints & Fasteners | 4 | 50 | 56 | 1.1 | 57 |
| Applications: Vibration & Dynamic Analysis | 4 | 100 | 47 | 1.1 | 46 |
| Applications: Materials & Process | 4 | 100 | 52 | 1.1 | 52 |

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| | | | |
|---|-----------------------|-------------------|--|
| Graduates | Engineering | Institution: | University of Kentucky, Lexington |
| Subject Matter Report by Major and PM Examination | | School Code: | 7101 |
| Board Code: | 71 | PM Exam | PE - Mining and Mineral |
| Major | Mining/Mineral | Processing | |

| | *Institution | National | Carnegie Comparator |
|---------------------|---------------------|---|--------------------------------------|
| Examinees Taking | 6 | 49 | 24 |
| Examinees Passing | 4 | 35 | 17 |
| Examinees Passing % | 67 | 71 | 71 |
| | # Exam Questions | Institution AVG % Correct | National AVG % Correct |
| | | National Standard Deviation ** | Prof+A&S/HGC AVG % Correct *** |

Subject

| | | | | | |
|---|----|----|----|-----|----|
| Exploration: Apply exploration methods & techniques | 3 | 44 | 45 | 0.8 | 43 |
| Exploration: Characterize site geologic & geotechnical conditions | 3 | 56 | 68 | 0.7 | 67 |
| Exploration: Estimate & characterize & evaluate resource reserves | 4 | 75 | 83 | 0.8 | 80 |
| Mine Planning & Operations: Plan & design & implement mining methods and layouts | 8 | 58 | 71 | 1.6 | 67 |
| Mine Planning & Operations: Plan & design & select and-or construct mine equipment and facilities and systems | 13 | 72 | 73 | 2.0 | 71 |
| Mine Planning & Operations: Evaluate & design ground control | 7 | 62 | 63 | 1.5 | 66 |
| Mine Planning & Operations: Operate & manage mines & systems | 4 | 71 | 70 | 1.0 | 68 |
| Mineral Processing: Perform laboratory & pilot testing and analysis | 4 | 42 | 55 | 1.1 | 51 |
| Mineral Processing: Design & evaluate process flow sheets | 9 | 61 | 68 | 2.1 | 70 |
| Mineral Processing: Plan & design & select and-or construct plant equipment and facilities and systems | 7 | 45 | 47 | 1.7 | 47 |
| Mineral Processing: Operate & manage plants & facilities | 4 | 50 | 59 | 1.1 | 60 |
| Environment & Reclamation: Characterize site & mining & process environment | 4 | 67 | 52 | 1.0 | 60 |
| Environment & Reclamation: Plan & design to mitigate exploration & mining & processing impacts | 5 | 63 | 67 | 1.3 | 64 |
| Environment & Reclamation: Operate & manage environmental & reclamation plan | 3 | 61 | 76 | 0.9 | 74 |
| Environment & Reclamation: Close & reclaim the site | 2 | 67 | 79 | 0.6 | 75 |

* 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 of the above is based on number of questions correct not percentage of questions correct.

*** Indicates schools in your Carnegie classification, see www.carnegiefoundation.org

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