

Examination: Principles and Practice of Engineering (PE)
Report title: Subject Matter Report by Major and Examination
Exams administered: Jan 01—May 31, 2014
Examinees included: First-Time Examinees from EAC/ABET-Accredited Engineering Programs

Name of Institution:	University of Kentucky, Paducah		
Major:	Mechanical	PE Examination:	Mechanical-Thermal and Fluids Systems

	Institution	ABET Comparator ²		
No. Examinees Taking ¹	1	323		
No. Examinees Passing	1	227		
Percent Examinees Passing	100%	70%		
	Number of Exam Questions	Institution Average Percent Correct	ABET Comparator Average Percent Correct	ABET Comparator Standard Deviation ³
Basic Engineering Practice: Basic Engineering Practice	12	58.3	71.4	1.7
Mechanical Systems & Materials: Principles	5	80.0	84.2	0.8
Mechanical Systems & Materials: Applications	3	100.0	79.8	0.7
Hydraulics & Fluids: Principles	3	100.0	71.9	0.8
Hydraulics & Fluids: Applications	4	100.0	79.3	0.9
Energy & Power Systems: Principles	3	33.3	61.5	1.0
Energy & Power Systems: Applications	3	100.0	75.9	0.9
HVAC & Refrigeration: Principles	4	0.0	60.4	1.3
HVAC & Refrigeration: Applications	3	66.7	83.4	0.7
Principles: Materials Properties (density)	2	100.0	52.2	0.7
Principles: Fluid Mechanics	4	50.0	64.7	0.8
Principles: Heat Transfer Principles (convection)	4	0.0	57.7	1.1
Principles: Mass Balance Principles (evaporation)	3	0.0	61.5	0.9
Principles: Thermodynamics	4	50.0	64.9	1.1
Principles: Related Principles	1	0.0	40.2	0.5
Applications: Equipment	7	71.4	60.8	1.6
Applications: Systems	13	61.5	53.3	2.4
Applications: Codes & Standards	2	50.0	65.8	0.6

1. 0 examinees have been removed from this data because they were flagged as a random guesser.
2. Comparator includes all examinees from programs accredited by the ABET commission noted.
3. The standard deviation is based on number of questions correct, not percentage of questions correct.

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