

Course #	Title	PDH
<b>Laws, Rules &amp; Ethics</b>		
E2001	Texas Engineering Practice Act and Rules	1
RF120	Indiana State Board Statute & Administrative Rules	1
RF121	Indiana Ethics Course for Professional Engineers	1
LAE2009	Louisiana Laws and Rules	1
TN1000	Rules of Professional Conduct for Tennessee Engineers	1
NC1001	North Carolina Ethics	2
SC1000	South Carolina Laws & Regulations for Professional Engineers and Surveyors	2
E5040	Standards of Professional Conduct For Engineers	2
RF123	Insight into The Freedom of Information Act & Privacy	2
MD1000	Engineering Ethics for the MD PE	2
BA1102	Ethics NSPE	2
PA1000	Pennsylvania Laws, Rules and Ethics	2
BA1101	Ethics Challenger Disaster	3
NC1000	North Carolina Laws & Rules	4
FL1000	Florida Laws & Rules for Professional Engineers	4
E1320	Ohio Standards of Conduct for Prof. Engineers	4
<b>Architectural</b>		
BA1005	Asphalt Single Roofing for High-Wind Areas	1
BA1008	Biodeterioration of Wood	1
BA1014	Coastal Building Successes and Failures	1
BA1017	Considerations for Low Density Concrete	1
BA1019	Decks, Pools and Accessory Structures	1
BA1025	Enclosures and Breakaway Walls	1
BA1033	Wood Fire Safety	1
BA1034	Foundation Walls	1
BA1035	Foundations in Coastal Areas	1
BA1039	Housewrap	1
BA1040	Siting and Design Decisions Affect Owner's Costs	1
BA1045	Lowest Floor Elevation	1
BA1049	Masonry Details	1
BA1051	Moisture Barrier Systems	1
BA1056	Pile Installation	1
BA1063	Reinforced Masonry Pier Construction	1
BA1064	Repairs, Remodeling, Additions and Retrofitting	1

BA1070	Roof Sheathing Installation	1
BA1071	Roof Underlayment for Asphalt Single Roofs	1
BA1072	Roof to Wall and Deck to Wall Flashing	1
BA1076	Selecting a Lot and Siting the Building	1
BA1077	Shutter Alternatives	1
BA1083	Coastal Construction Requirements	1
BA1085	Tile Roofing for High-Wind Areas	1
BA1089	Use of Connectors and Brackets	1
BA1090	Using a Flood Insurance Rate Map (FIRM)	1
BA1091	V-Zone Design and Construction Certification	1
BA1092	Window Door and Installation	1
BA1097	Wood-Pile-to-Beam Connections	1
EV104	Sanitary And Industrial Wastewater Collection	1
BA1001	Adhesive Bonding of Wood Materials	2
BA1016	Commercial Lumber	2
BA1020	Construction Safety Standards	2
BA1022	Drying, Moisture and Dimensional Changes of Wood	2
BA1023	Electrical Design Lightning and Static Electricity	2
BA1031	Wood Fastenings	2
BA1044	Load Paths	2
BA1095	Wood Preservation	2
HB105	Hydraulic Jumps and Non-uniform Open Channel Flow	2
RF1100	Atomic Energy Act	2
T2450	Musts for Underground Storage Tanks	2
RF132	Common ADA Errors and Omissions in New Construction and Alteration	2
BA1000	Lead Exposure in the Construction Industry	3
BA1013	Characteristics of Commercially Important Woods	3
BA1026	Tips on Saving Energy and Money at Home	3
BA1032	Wood Finishing	3
BA1042	Building Airtightness on HVAC Energy Use	3
BA1050	Mechanical Properties of Wood	3
BA1058	Promoting Seismic Safety Guidance for Advocates	3
BA1073	Wastewater Management:Gravity Sewers Appurtenances	3
BA1079	Soil Stabilization for Pavements	3
BA1087	Tornado Risks and Hazards in the Southeastern USA	3
BA1088	Unsurfaced Road Maintenance Management	3

BA1096	Wood Based Composites and Panel Products	3
BA1098	Construction Pocket Guide	3
HB107	Fuel Cells - Green Power	3
HB108	Pipe Flow/Friction Factor Calculations with Excel	3
BA1018	Controlling Electrical Hazards	4
BA1043	Landscape Design and Planting Criteria	4
BA1057	Preventative Maintenance Facilities	4
BA1074	Costs for Seismic Rehab of Existing Buildings	4
BA1093	Wire Rope Selection for Gate Operating Devices	4
RF136	Evaluating Noise Hazards in the Workplace	4
BA1009	Cathodic Protection Systems: Civil Work Structures	5
BA1024	Electrical Power Supply and Distribution	5
BA1036	Foundations in Expansive Soils	5
BA1041	Evaluate and Repair Hydraulic Steel Structures	5
BA1054	Maintenance and Repair of Auxiliary Generators	5
BA1067	Design of Buildings to Mitigate Terrorist Attacks	5
BA1027	Evaluation and Repair of Concrete Structures	6
BA1047	Maintenance and Repair of Surface Areas	6
BA1048	Maintenance of Waterfront Facilities	6
BA1075	Seismic Considerations for Steel Storage Racks	6
BA1082	Stability Analysis of Concrete Structures	6
BA1084	Historic Properties	6
BA1100	Bridge Maintenance	6
BA1006	Bridge Inspection, Maintenance and Repair	7
BA1060	Post Earthquake Evaluation of Welded Design	7
BA1080	Soils and Geology Procedures for Foundations	7
BA1002	ADA & Architectural Barriers Act Access Guidelines	9
BA1007	Best Practices: Achieving Operational Efficiency	9
BA1028	Instrumentation for Concrete Structures	9
BA1030	Maintenance and Repair of Buildings and Structures	9
BA1046	Maintenance of Trackage	9
BA1053	Introduction to Test Equipment	9
BA1062	Recommended Seismic Evaluation and Repair Criteria	9
BA1065	Improving Hospital Safety: Quakes, Floods and Wind	9
BA1066	Improving School Safety: Quakes, Floods and Winds	9
BA1068	Designing for Earthquakes	9

BA1029	Retaining and Flood Walls	12
BA1094	Wood Handbook: Wood as an Engineering Material	12
BA1006-A	Bridge Inspections, Maintenance and Repair	14
<b>Building Design</b>		
P2105	ADA: General Site and Building Elements	1
C1008	Design Criteria for Structures Other Than Building	1
C1020	Lumber Stress Grades and Design Properties	1
RF134	Guidelines for Selecting Cool Roofs	2
RF104	Scaffolding Use, Guidelines & Application	2
PD776	An Introduction to Central Heating Plant Planning	3
C1031	Guide on How to Build Radon-Resistant Homes	3
P2090	Spectrally Selective Window Glazings	4
RF135	Construction with Large Stone	4
P2079	Reduction of Radon Levels in Schools and Other Lar...	4
P2062	Lightning Protection for Structures	5
P2037	Epa Indoor Air Quality Building	6
V2099	Identifying Hazards in Coastal Sites	6
<b>Chemical</b>		
E1008	Guide to Test Instruments and Measuring Devices	2
RF102	Methylene Chloride	2
RF103	Cadmium	2
RF112	Ethylene Oxide (EtO)	2
RF115	Hexavalent Chromium	2
CH1001	Reactor Water Chemistry	3
CH1002	Principles of Water Treatment	3
CH1003	Corrosion Theory	4
RF113	Adsorbtion	4
P2068	Nitrogen Oxides (Nox), Why and How they Are Contro...	4
P2012	Controlling Vocs Using Carbon Adsorbers	4
CH1004	Fundemantals of Chemistry	5
CH1005	Hazards of Chemicals and Gases	5
<b>Civil</b>		
C1006	Geothermal Energy...Power from the Depths	1
C1022	Physical Properties and Moisture Relations of Wood	1
C1025	Use of Wood in Buildings and Bridges	1
C1041	Cross-Connection Control: Safety	1

MA1001	Repair of Rigid Pavements	1
RF151	Stormwater to Street Trees: Engineering Urban Forests for Stormwater Management	1
C1032	Unsurfaced Road Maintenance Management	2
C1003	Causes of Distress and Deterioration of Concrete	2
C1005	Excavations	2
C1009	Site Planning And Design	2
C1017	History of Coastal Engineering	2
C1018	Ice Force on Structures	2
C1021	Mechanical Properties of Wood	2
RF156	Graywater Treatment Using Constructed Wetlands	2
C1023	Types And Functions Of Coastal Structures	2
C1027	General Provisions and Geometric Design for Roads	2
HB104	Uniform Open Channel Flow and the Manning Equation	2
HB106	Sharp-Crested Weirs for Open Channel Flow Measurement	2
MA1002	Standard Practice for Concrete Pavement	2
MA1003	Sealing Joints and Cracks in Rigid and Flexible Pa	2
MA1004	Guide to Thermal Stress and Brittle Fracture	2
RF106	Underground Construction(Tunneling)	2
RF133	Leak Detection and Repair	2
C1007	"The Inside Story: A Guide to Indoor Air Quality"	3
C1015	Considerations for Earth and Rock-Fill Dams	3
EV108	Engineering and Design - Land Treatment Systems Op	3
RF147	Quality Assurance and Quality Control for Rehabilitation of Sewer and Water Mains	3
RF114	History of The Gulf Intracoastal Waterways	3
RF157	Stormwater Management for TMDLs in an Arid Climate	4
C1012	Maintenance Of Waterfront Facilities	4
C1039	Design of Com. Bldgs. to Mitigate Terrorist Attack	4
RF116	History of The Waterways Atlantic Coast	4
RF117	Design Parameters for Safe Rooms and Shelters	4
P2006	Bottomless Culvert Scour Study	4
P2020	Design of Hydroelectric Power Plant Structures	4
P2035	Engineering and Design: Sanitary Landfill	4
P2097	Urban Hydrology	4
C1011	Pavement Maintenance Management	5
P2009	Concrete Mixture Optimization using Statistical Methods	5
C1026	Engineering and Design of Military Ports	5

E1006	Electric Power Plant Design	5
P2003	Analysis And Design Of Dams For Earthquakes	5
RF109	Bearing Capacity of Soils	5
MA1005	Guide to Plant Materials	5
P2085	Sewer Sediment and Control - A Management Practice	5
C1013	Design and Construction Of Levees	6
RF101	2010 ADA Standards for Accessible Design	6
P2023	Loads For Residential Buildings in Coastal Areas	6
C1029	Standards for the Treatment of Historic Properties	6
C1019	Low Cost Shore Protection	7
P2100	Wastewater Characteristics, Flow And Transport	7
C1001	ADA Standards for Accessible Design	8
P2011	Construction Site Stormwater Runoff Control	8
P2021	Design Of Small Water Systems	8
P2064	Corrosion Ctrl: Reinforced and Prestressed Concrete	8
P2019	Design of Conduits, Culverts and Pipes	8
P2055	Inspection of Highway and Rail Transit Tunnels	9
BA1099	Bridge Inspections	10
P2018	Design Of Buildings In High Wind Coastal Areas	12
	<b>Electrical</b>	
E1002	Ground-Fault Protection on Construction Sites	1
E1003	Buying an Energy-Efficient Electric Motor	1
P2002	AC Generators and Motors	1
E1010	Guide to Electrical Distribution Systems	2
E1011	Control of Hazardous Energy	2
E1012	Concepts of Alternating Current	2
E1007	Basic DC Theory Explained	2
P2054	Inductive and Capacitive Reactance	2
E1009	Introduction to Batteries	3
E1013	Inductance	3
E1014	Basic Electrical Theory	4
E1015	Matter, Energy and Electricity	4
E1016	Capacitance	4
E1017	Transformers	4
HB101	Introduction to Solar Energy	4
P2030	Electrical Science	4

P2058	Introduction to Electron Tubes	4
P2061	Introduction to Transistors	4
P2065	Matter, Energy and Electricity	4
P2075	Power Supplies Basics	4
P2059	Introduction to Solid State Semiconductors Diodes	5
P2024	Direct Current Circuits Fundamentals	6
P2033	Energy Management for Motor Driven Systems	8
	<b>Engineering Management</b>	
P2036	Engineering Symbology, Prints and Drawings	4
	<b>Environmental</b>	
EV102	Water Supply - Water Storage	1
RF124	Superfund: "Overview and Selected Issues"	1
RF149	Protecting Drinking Water Through Underground Injection Control	2
RF159	National Stormwater Calculator Users Guide	2
C1028	Soil Stabilization for Pavements	2
RF122	Insight into The Department of Energy Organization	2
RF150	Development of Area Contingency Plans for Environmental Emergencies	2
RF127	Deep Water Port Act	2
RF128	Pollution Prevention Act of 1990	2
IAQ100	Indoor Air Quality - Comm. & Inst. Buildings	2
EV103	Water Supply- Water Distribution	2
RF144	Strategies for Reducing Residential Wood Smoke	2
RF131	Air Quality Regulations for Stationary Engines	2
EV101	Water Supply - Water Treatment	3
EV106	Construction and Operation - Small Wastewater Sys.	3
EV107	Engineering and Design - Design of Small Water Sys	3
RF126	The Comprehensive Environmental Response, Compensa	3
RF100	The Plain English Guide to the Clean Air Act	3
RF145	Coral Reef Assessments	3
RF125	Federal Water Pollution Control Act	4
RF153	Landfill Gas Collection and Treatment Systems	4
P2060	(Npdes) Construction Site General Permit	4
P2072	Overview of UV Disinfection for Drinking Water	4
P2087	So2 and Acid Gas Controls	4
RF143	Getting to Smart Growth: (Part I) 100 Policies for Implementation	4

P2045	Management Of Radioactive Residuals From Water	5
P2073	Particulate Matter Control - Baghouses and Filters	5
P2102	Wet Scrubbers for Particulate Matter	5
P2074	Ponds - Planning, Design And Construction	6
P2031	Electrostatic Precipitators for Air Pollution	6
P2032	Emerging Technologies for Biosolids Management	6
P2038	UV Radiation Disinfection for Wastewater	6
P2095	The Part 75 Rule	8
P2039	Filter Backwash Recycling Rule Technical Guidance	8
P2071	Optimization of Various MBR Systems for Water Recl...	8
P2101	Water Treatment Primer for Communities in Need	8
<b>Geotechnical</b>		
GE1001	Guide to Slope Stability	4
GE1002	Design Of Sheet Pile Walls	5
GE1004	Guide To Rock Foundations	5
GE1005	Design of Pile Foundations	5
RF118	Settlement Analysis	5
<b>Health and Safety</b>		
H1003	Permit-Required Confined Spaces	1
H1005	Stairways and Ladders	1
H1010	Guide to Excavations : Rules and standards	1
H1015	Pocket Guide: Construction Worker Safety	1
I1001	Guide to Industrial Heat Pumps	1
RF138	How to Prepare for Workplace Emergencies & Evacuations	1
H1001	Chemical Hazard Communication	2
H1004	Lead Exposure in the Construction Industry	2
H1006	Fall Protection In Construction	2
HA01	Asbestos Standards For The Construction Industry	2
RF108	Preventing Mold Related Problems In the Workplace	2
RF137	Firefighting Precautions at Facilities with Comustible Dust	2
RF139	Hazardous Waste Operations and Emergency Response	2
RF140	Materials Handling and Storage	2
H1007	Countermeasures to Reduce Red-Light Running	3
RF119	Oil Spill Clean-Up for Workers	3
H1014	Safeguarding Equipment, Protecting from Amputation	3
H1008	Scaffold Use in the Construction Industry	3



RF141	Process Safety Management	3
P2086	Small Business Safety and Health Management Series	3
RF142	Controlling Silica Exposures in Construction	3
C1016	Federal Guidelines for Dam Safety Earthquake Analy	4
P2040	Fire Protection And Prevention During Construction	4
H1013	Guide to Explosive Safety Standards	5
<b>HVAC</b>		
P2001	Air Conditioning Systems Basics	3
P2047	HVAC - Filtration And Air Cleaning Systems	4
P2048	HVAC - Hydronic Systems	4
P2094	The Effectiveness Of Uv Lamps In Circulating Air D	4
P2044	Guide to Developing Air-Cooled LiBr Absorption...	4
P2049	HVAC - Variable Air Volume Systems	5
P2050	HVAC - Ventilation & Exhaust Systems	5
<b>Industrial</b>		
I1002	Steam System Basics	3
I1003	Guide to Clean Energy Technologies	3
P2052	Improving Fan System Performance	3
E1005	Facilities Engineering Electrical Facilities Safet	5
I1005	Detectors and Indicators	5
I1004	Process Controls	5
I1006	Radiation Detectors	6
P2053	Improving Pump System Performance	6
<b>Materials</b>		
M1002	Surface Preparation	3
MA1014	Cathodic Protection Systems: Civil Work Structures	4
<b>Mechanical</b>		
M1001	Corrosion Theory and Corrosion Protection	1
M1004	Gear Lubrication	1
M1006	Hydraulic Fluids	1
M1012	Pressure Vessel Guidelines	1
M1005	Grease	2
M1009	Heat Exchanger	2
M1010	Thermodynamics, Heat Transfer, anf Fluid Flow	2
RF111	Air Stripping	2

M1013	Engineering Use of Geotextiles	2
M1007	Lubricating Oils	2
M1008	Lubrication Principles	2
HB102	Flow Measurement in Pipes and Ducts	3
P2069	Noise and Vibration Control	3
M1003	Coating Types and Characteristics	4
P2041	Fluid Power - Measurement And Pressure Control Dev	4
P2042	Fluid Power - Hydraulic Power Units	4
P2043	Fluid Power- Hydraulic Principles	4
P2046	High Temperature Water Heating Systems	4
HB103	Hydraulic Design of Storm Sewers with Excel	4
H1009	Safety and Health Admin: Steel Erection	4
P2067	Mechanical Science - Valves	4
P2096	Thermodynamics, Heat Transfer, And Fluid Flow	5
P2091	Steam System Survey Guide	6
<b>Petroleum</b>		
RF158	Training Marine Oil Spill Response Workers	1
P1001	The Rigs to Reefs Policy, Progress, & Perspective	1
RF152	Carbon Dioxide Enhanced Oil Recovery	1
P1008	BOPE: Blow out Prevention	1
P1002	Gulf of Mexico Oil and Gas Pipelines:	2
RF105	Deepwater Horizon Oil Spill	2
RF107	Petroleum Brownfields-Selecting a Reuse Option	2
RF146	Opportunities For Petroleum Brownfields	2
RF155	Petroleum Vapor Intrusion	2
P1003	Oil & Gas Exploration	3
RF129	Oil Pollution Act-1990	3
P1004	Biomass Oil Analysis: Research Needs	5
<b>Sustainability</b>		
C1033	Parabolic-Trough Solar Water Heating	2
RF110	Watershed Condition Classification Technical Guide	2
P2005	Biomass Cofiring in Coal-Fired Boilers	4
P2057	Conservation Design Resource Manual	8
BA1052	Natural Resources Land Management	9