

PDHonline courses that have been submitted to NJ PE Board for approval

No.	Course No.	Course Title	Instructor	PDH or CPC Credits
1	C101	What Do Engineers and Architects Need to Know about the Finite Element Method?	John C. Huang, Ph.D., PE, LEED AP	4
2	C109	Conduits, Culverts and Pipes	John C. Huang, Ph.D., PE, LEED AP	8
3	C115	Site Planning and Design	John C. Huang, Ph.D., PE, LEED AP	5
4	C116	Retaining and Flood Walls	John C. Huang, Ph.D., PE, LEED AP	15
5	C117	Design of Sheet Pile Walls	John C. Huang, Ph.D., PE, LEED AP	6
6	C118	Design of Pile Foundations	John C. Huang, Ph.D., PE, LEED AP	10
7	C119	Bearing Capacity of Soils	John C. Huang, Ph.D., PE, LEED AP	8
8	C123	Principles of Water Conservation and Reuse	Robert P. Stevens, P.E., DEE	2
9	C135	Pavement Design	John C. Huang, Ph.D., PE, LEED AP	6
10	C142	Stormwater: Storm Water Pollution Prevention Plans and Best Management Practices	Robert P. Stevens, PE, DEE	4
11	C160	Alternative Stormwater Management: Low Impact Development	Cory L. Horton, P.E.	10
12	C172	Understanding the Manual on Uniform Traffic Control Devices (MUTCD) Part I	Vincent D. Reynolds, MBA, PE	8
13	C173	Understanding the Manual on Uniform Traffic Control Devices (MUTCD) Part II	Vincent D. Reynolds, MBA, PE	8
14	C186	Gravel Roads Design and Maintenance	John C. Huang, Ph.D., PE, LEED AP	8
15	C188	Soil Erosion and Sediment Control	John Poullain, P.E.	3
16	C196	Stormwater Control Practices	John Poullain, P.E.	2
17	C201	Stormwater Drainage Design for Parking Lots	John C. Huang, Ph.D., PE, LEED AP	4
18	C214	Environmental Management System	James Newton, PE, DEE	8
19	C242	On-Site Wastewater Treatment	James Newton, PE, DEE	15
20	C254	Slope Stability	Joseph J. Lifrieri, P.E., P.P., P.G.	15
21	C305	Drainage and Erosion Control	Vincent D. Reynolds, MBA, PE	12
22	C379	An Introduction to Geotextiles in Pavement and Drainage Applications	J. Paul Guyer, P.E., R.A.	2
23	C421	Introduction to Roller-Compacted Concrete	John C. Huang, Ph.D., PE, LEED AP	2
24	E104	Power Systems - Basic Concepts and Applications - Part I	Shih-Min Hsu, Ph.D., P.E.	12
25	E105	Power Systems - Basic Concepts and Applications - Part II	Shih-Min Hsu, Ph.D., P.E.	12
26	E116	Introduction to Programmable Logic Controllers - Part I	Chong Chen, Ph.D. PE	4
27	E117	Introduction to Programmable Logic Controllers - Part II	Chong Chen, Ph.D. PE	2
28	E119	Electrical Design - Coordinated Power System Protection	Bijan Ghayour, P.E.	10
29	E127	Uninterruptible Power Supply System Selection, Installation, and Maintenance	Bijan Ghayour, P.E.	12
30	E128	Wireless Network Security	Dale W. Callahan, Ph.D., P.E.	6
31	E138	Automatic Control Systems - Part I: Block Diagrams and Transfer Functions	Shih-Min Hsu, Ph.D., P.E.	4
32	E144	Power Factor in Electrical Energy Management	A Bhati, B.E.	4
33	E165	Overview of Electrical Engineering for School Design	Thomas Mason, P.E.	4
34	E175	Introduction to Computer Networking	Dale W. Callahan, Ph.D., P.E.	8
35	E199	Small Wind Powered Electric Generation Systems	Jeffrey Havelin, P.E.	2

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36	E230	Design to the Fire Alarm Code, NFPA 72-2007	Thomas Mason, P.E.	3
37	E260	2008 National Electric Code	Thomas Mason, P.E.	3
38	E296	Wind Energy Systems	Lee Layton, MBA, PE	3
39	E297	Photovoltaic Power Systems	Lee Layton, MBA, PE	4
40	E305	Smart Grid	Lee Layton, MBA, PE	5
41	F101	Personal Protective and Life Saving Equipment	John C. Huang, Ph.D., PE, LEED AP	1
42	G101	ADA Standards for Accessible Design	John C. Huang, Ph.D., PE, LEED AP	8
43	G129	The Engineer in the Courts	David A. Conner, Ph.D., PE	8
44	G133	Intellectual Property Issues for Architects, Engineers & Surveyors	Randall W. Whitesides, P.E.	2
45	G172	Safety and Health Requirements - Part 1 of 3	John C. Huang, Ph.D., PE, LEED AP	10
46	G180	Basic Applied Finite Element Analysis	Robert B. Wilcox, P.E.	8
47	G182	Tips on Saving Energy and Money	John C. Huang, Ph.D., PE, LEED AP	2
48	G184	Green Building Guidelines	Helen Chen, Ph.D., PE, LEED AP	4
49	G185	Sustainable Design Guide	John C. Huang, Ph.D., PE, LEED AP	15
50	G190	Overview of the ISO System	Helen Chen, Ph.D., PE, LEED AP	1
51	G192	Introduction to Green Buildings	John C. Huang, Ph.D., PE, LEED AP	8
52	G196	Excel Spreadsheet Basics for Engineers	Robert B. Wilcox, P.E.	4
53	G204	Design for Static Strength	Robert B. Wilcox, P.E.	6
54	G212	LEED for New Construction & Major Renovations	Helen Chen, Ph.D., PE, LEED AP	8
55	G219	Effective Technical Writing Techniques and a Grammar Refresher for Architects and Engineers	Timothy D. Blackburn, MBA, PE	3
56	G254	Principles of Sustainable Design for Buildings	J. Paul Guyer, P.E., R.A.	2
57	G258	An Introduction to Fire Protection Engineering for Buildings	J. Paul Guyer, P.E., R.A.	2
58	G259	An Introduction to Passive Solar Buildings	J. Paul Guyer, P.E., R.A.	2
59	G278	LEED Rating System	John C. Huang, Ph.D., PE, LEED AP	1
60	G289	Alternative and Renewable Energy Sources	James Newton, PE, DEE	8
61	G290	An Introduction to Building Design Specifications and Tools	J. Paul Guyer, P.E., R.A.	4
62	G340	Earthquakes - Learn from the Past, Prepare for the Future	John C. Huang, Ph.D., PE, LEED AP	2
63	G356	OSHA Safety Requirements for Construction (Part 1)	John C. Huang, Ph.D., PE, LEED AP	2
64	G357	OSHA Safety Requirements for Construction (Part 2)	John C. Huang, Ph.D., PE, LEED AP	2
65	H119	Estimating Storm Water Runoff	John Poullain, P.E.	2
66	H129	Flood-Runoff Analysis	Cory L. Horton, P.E.	15
67	L105	GPS Surveying	Jan Van Sickle, P.L.S.	12
68	L116	GPS: Theory, Practice and Applications	Frederic G. Snider, R.P.G.	3
69	L120	Construction Layout	Jonathan Terry, P.L.S.	15
70	L122	Adverse Possession	Thomas Strong, P.L.S.	2
71	L123	Easements	Thomas Strong, P.L.S.	1
72	L128	Land Boundary Surveys	Jan Van Sickle, P.L.S.	8
73	L129	FEMA's Flood Maps (FIRM) - Understanding and Utilizing This Resource	Jonathan Terry, P.L.S.	5
74	L149	Construction Layout - In-Depth Discussion	Jonathan Terry, P.L.S.	8
75	M110	Introduction to Fire Protection Systems	Lawrence J. Marchetti, P.E.	4
76	M112	Selection and Sizing of Pressure Relief Valves	Randall W. Whitesides, P.E.	3
77	M114	Selected Topics in Mechanics of Materials	John C. Huang, Ph.D., PE, LEED AP	6
78	M118	Introduction to Metallurgical Failure Analysis	Semih Genculu, P.E.	3

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79	M121	Cooling Water Systems - An Overview of Cooling Towers	A Bhati, B.E.	4
80	M124	Understanding Net Positive Suction Head	Randall W. Whitesides, P.E.	4
81	M139	Valves	Lawrence J. Marchetti, P.E.	4
82	M153	Fundamentals of Material Science	Frank Li, Ph.D.	10
83	M154	Thermal Stress and Thermal Shock of Materials	Frank Li, Ph.D.	1
84	M200	Mold Remediation and Prevention	John C. Huang, Ph.D., PE, LEED AP	4
85	M226	Psychrometric Chart Fundamentals and its application to HVAC Troubleshooting	Timothy D. Blackburn, MBA, PE	5
86	M267	Geothermal Heat Pump Systems	Jeffrey Havelin, P.E.	4
87	M270	Selecting the Optimum Pipe Size	Randall W. Whitesides, P.E.	12
88	M279	Solar Water Heating	Steven G. Liescheidt, PE, CCS	1
89	M281	Variable Speed Pumping	Steven G. Liescheidt, PE, CCS	2
90	M304	Fire Protection Fundamentals	Steven G. Liescheidt, PE, CCS	7
91	M339	HVAC Tips for Green Buildings	A Bhati, B.E.	10
92	P122	Professional Liability	Samir G. Khoury, Ph.D., P.G.	3
93	P123	Quality Assurance	Samir G. Khoury, Ph.D., P.G.	3
94	P182	Time Management Tips for Busy Professionals	Helen Chen, Ph.D., PE, LEED AP	1
95	P187	Fundamentals of Project Management	Helen Chen, Ph.D., PE, LEED AP	14
96	R102	Engineering Ethics	John C. Huang, Ph.D., PE, LEED AP	1
97	R105	Professional Ethics	John C. Huang, Ph.D., PE, LEED AP	1
98	R106	Standards of Professional Conduct	John C. Huang, Ph.D., PE, LEED AP	1
99	R107	Ethics for Engineers	John C. Huang, Ph.D., PE, LEED AP	2
100	R115	The Right Choice: Applying Ethics to Engineering	William A. (Bill) Brant, J.D., P.E.	2
101	R117	The Right Choice: Applying Ethics and Happiness to Engineering	William A. (Bill) Brant, J.D., P.E.	1
102	R119	Classic Ethics and Engineering	Thomas Mason, PE	2
103	R120	Engineering and Business Ethics - A Biblical Perspective	Timothy D. Blackburn, MBA, PE	3
104	R133	Ethical Issues from the Kansas City Hyatt Hotel Collapse	J. Paul Guyer, P.E., R.A.	2
105	R402	Board Laws & Rules and Professional Ethics	John C. Huang, Ph.D., PE, LEED AP	8
106	R405	Professional Ethics & Case Studies	John C. Huang, Ph.D., PE, LEED AP	4
107	R406	Ethical Principles and Professional Conduct	John C. Huang, Ph.D., PE, LEED AP	8
108	S101	Title: An Overview of Cold-Formed Steel Structures	Helen Chen, Ph.D., PE, LEED AP	2
109	S104	Fall Protection in Construction	John C. Huang, Ph.D., PE, LEED AP	4
110	S132	Slab-on-Grade Reinforcing Design	Matthew Stuart, PE, SE	1
111	S145	Masonry Structural Design for Buildings	John C. Huang, Ph.D., PE, LEED AP	15
112	S148	Wood Design: Diaphragms and Shear Walls	John C. Huang, Ph.D., PE, LEED AP	4
113	S150	Structural Steel Welding	Semih Genculu, P.E.	2
114	S161	AISC Code of Standard Practice for Steel Buildings and Bridges	John C. Huang, Ph.D., PE, LEED AP	8
115	S182	Wood as an Engineering Material - Part I	John C. Huang, Ph.D., PE, LEED AP	15
116	S183	Wood as an Engineering Material - Part II	John C. Huang, Ph.D., PE, LEED AP	15
117	S210	Introduction to Finite Element Methods	John C. Huang, Ph.D., PE, LEED AP	8
118	S214	Steel Beam Design	Matthew Stuart, PE, SE	4
119	S219	Steel Connections	Matthew Stuart, PE, SE	4
120	S226	The Construction and Design of Concrete Slabs on Grade	Matthew Stuart, PE, SE	8
121	S248	International Building Code - Structural Design	John C. Huang, Ph.D., PE, LEED AP	10