



1001 Settlers Ridge Lane
Raleigh, North Carolina 27614
(919) 846-6264
(919) 846-6242 Fax
Course Listings



For the Electric Utility and Cogeneration Industry. . .

- OP-100: Introduction to Power Plant Systems (16 hours; 1.4 CEU's)
- OP-105: Comparison of Power Plant Cycles (8 hours; 0.7 CEU's)
- OP-110: Basic Electricity (24 hours; 2.1 CEU's)

- OP-200: Utility Boilers and Auxiliaries (32 hours; 2.8 CEU's)
- OP-210: Steam Turbines and Auxiliaries (32 hours; 2.8 CEU's)
- OP-220: Generator Operating Theory (24 hours; 2.1 CEU's)

- OP-300: Overview of Heat Rate and Plant Efficiency (16 hours; 1.4 CEU's)
- OP-310: Boiler Efficiency (8 hours; 0.7 CEU)
- OP-320: Turbine Efficiency (8 hours; 0.7 CEU)
- OP-330: Balance-of-Plant Equipment Efficiency (8 hours; 0.7 CEU)
- OP-340: Combined Cycle Theory and Efficiency (16 hours; 1.4 CEU's)
- OP-350: Generator Protective Relays (8 hours; 0.7 CEU's)

For Operator Certification Review. . .

- OC-100: Stationary Engineering Review Course I (NIULPE 5th Class Engineer) (12 hours plus 4 hour examination; 0.7 CEU)
- OC-110: Stationary Engineering Review Course II (NIULPE 4th Class Engineer) (16 hours plus 4 hour examination; 1.0 CEU)
- OC-120: Stationary Engineering Review Course III (NIULPE 3rd Class Engineer) (20 hours plus 4 hour examination; 1.4 CEU's)
- OC-130: Stationary Engineering Review Course IV (NIULPE 2nd Class Engineer) (24 hours plus 4 hour examination; 1.8 CEU's)
- OC-140: Stationary Engineering Review Course V (NIULPE 1st Class Engineer) (28 hours plus 4 hour examination; 2.1 CEU's)
- OC-150: Stationary Engineering Review Course VI (NIULPE Chief Engineer) (36 hours plus 4 hour examination; 2.8 CEU's)

- OC-200: ASME-QFO Review Course (40 hours; 3.5 CEU's)
- OC-210: ASME-QRO Review Course (40 hours; 3.5 CEU's)

For the Industrial Sector. . .

- IND-100: Fire Tube Boilers (8 hours; 0.7 CEU)
- IND-110: Industrial-Size and Package Water Tube Boilers (16 hours; 1.4 CEU's)
- IND-120: Boiler Accessories (4 hours; 0.4 CEU)
- IND-130: Fuels and Combustion (4 hours; 0.4 CEU)

- IND-200: Piping, Valves, Fittings, and Auxiliary Equipment (8 hours; 0.7 CEU)
- IND-210: Pumps (8 hours; 0.7 CEU)
- IND-220: Compressed Air Systems (8 hours; 0.7 CEU)
- IND-230: Mechanical Drive Steam Turbines (8 hours; 0.7 CEU)

- IND-300: Energy Management for Industrial Facilities (24 hours; 2.1 CEU's)

Note: Courses can be customized to be site-specific.