

# SYSTEM DESIGN



2 DAYS - 16 HOURS 7AM – 3:30PM

\$599.00 PER STUDENT

**June 17 and 18, 2008**

AT

NEW ENGLAND FUEL INSTITUTE

20 SUMMER ST, WATERTOWN MA



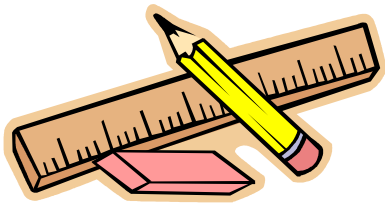
A complete course in the design of HVAC systems with an emphasis on oilfired equipment. This course is for technicians, managers and equipment sales personnel. Gain the knowledge and professional skills to design today's state-of-the-art heating and air conditioning systems.

The course will review how to gather the data required to perform computerized heat-loss and heat-gain calculations to determine the actual residential HVAC loads and the necessary equipment requirements. Equipment selection and sizing for new hydronic and warm air heating systems is examined along with replacement guidelines for older systems including steam. The course also covers compliance with State Building and Mechanical Codes. Special section on how chimneys and codes affect replacement installations. Pipe sizing, duct sizing and specialty equipment sizing will also be examined as well as how to properly match distribution systems to heat exchangers. The sizing of domestic hot water producers using both conventional and high-tech equipment and techniques for proper and adequate supply will also be discussed along with some basic post installation troubleshooting. The sizing of equipment and distribution units using printed tables and computers will be examined. Students who have laptops and loaded programs are encouraged to bring them.



**This class is NORA Certified for 16 CEU's**

**Instructor: George Lanthier**



**For further information contact**

**NEFI Education at 617-924-1000, Fax 617-924-5962**

Make check payable to

New England Fuel Institute, Education Foundation and mail to:

New England Fuel Institute, 20 Summer St., Watertown, MA, 02471

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