

UC Berkeley Extension Service HVAC Design Class Offered Spring 2009

HVAC Ductwork and Piping Systems, a core course for the UC Berkeley Extension/Golden Gate Chapter co-sponsored [HVAC/R certificate program](#) will be offered this spring. This course presents the engineering fundamentals and practical considerations for the design of components and layout of HVAC systems and equipment. It is a practical course that outlines the design process for all major HVAC components commonly in use. Lectures cover the selection and specification of components such as fans, coils, filters, pumps, chillers, cooling towers, boilers, water heaters, terminal devices, and air outlets. The design of air and water distribution systems is outlined with consideration for first cost, energy costs, and other practical matters such as space and maintenance. Energy conservation measures are highlighted throughout the course and presented with consideration for energy codes, utility rebate programs, and economic evaluation. The emphasis is on commercial applications in the greater Bay Area. The course manual was developed by the course instructors Steve Taylor and Allan Daly. This is the 13th year that Taylor Engineering has offered this popular course through the UC Berkeley Extension Service. It has recently been reorganized to better mesh with HVAC System Design Considerations (X472) which will be offered in the Fall.

Details:

- 10 evenings
- Jan 8th to March 12th, Thurs., 6:30-9:30 pm
- San Francisco: Room 806, UC Berkeley Extension Downtown Center, 425 Market St., 8th Floor (Between the Embarcadero and Montgomery Street BART/MUNI Stations)
- \$675 (EDP 326256)

You can register on-line at <http://www.unex.berkeley.edu/cat/course521.html>.

About the instructors:

ALLAN DALY, MS, PE, is a registered mechanical engineer and a principal with Taylor Engineering. He has more than 12 years of experience in the building industry, encompassing design, research, and policy. He is proficient in the use of computer simulations of buildings and systems to predict building energy consumption, thermal performance, natural ventilation, and occupant comfort. Daly has taught in both university and professional settings.

STEVE T. TAYLOR, MS, PE, is the founding principal of Taylor Engineering, Alameda. He specializes in energy-efficient HVAC and control system design and has more than 25 years of commercial and industrial design experience. He was one of the primary authors of the HVAC sections of ASHRAE Standard 90.1 energy conservation standard and California's Title 24 energy standards. He was also the primary author of ASHRAE's Fundamentals of HVAC Control Systems course. Taylor is an ASHRAE Fellow.

For more information contact:

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