ARCH 555, Building System and Energy Conservation, 3 Credit Hours

Description: This course evaluates all building systems and services with regard to their influence on design. Of particular interest are: response to climatic factors and internal functions, integration of building envelope and environmental controls, choice of materials and construction processes, systems operation and energy consumption, energy conservation, building automation, controls for facility management, and first costs versus life-cycle costs. Case studies of various building types and systems analyses are presented.
