Daylighting and electrical lighting, architectural acoustics, electrical and communications systems, and mechanized circulation systems. Technical problems associated with providing quality environments for human habitation.

This course will focus on four separate building environmental controls systems—lighting, acoustical, electrical, and mechanized circulation systems—that have not been addressed in detail.

Course Goals & Objectives:

Understand the fundamentals of the building environmental systems and building service systems that are addressed in the course.
Understand the leadership role of the architect relative to building environmental performance.
Understand the ethical responsibility of the architect relative to building environmental.

Student Performance Criterion/a addressed:

Criterion 1, 2, 4, 19, 22, 32, 34

Topical Outline:

Prerequisites:

Successful completion (with a passing grade) of ARC 2470 (Intro to Tech of Arch) and admission to third-year standing in the School of Architecture.

Textbooks/Learning Resources:


Offered:

Fall only; annually

Faculty assigned:

Thomas Martineau (adjunct)