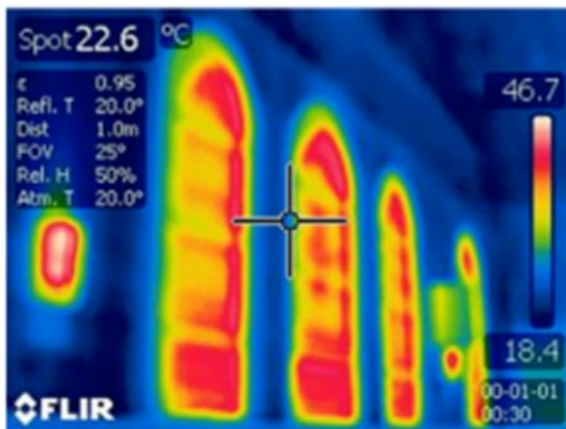
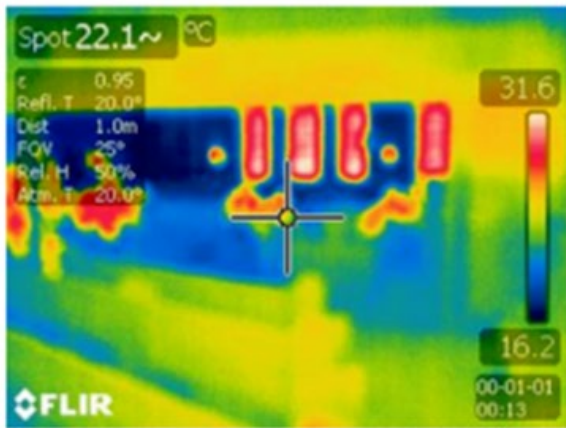




Carnegie Mellon University

School of Architecture
College of Fine Arts, CFA 201
Carnegie Mellon University
Pittsburgh, PA 15213



48768-A: Indoor Environmental Quality (IEQ); Energy, Health, and Productivity 12 Units

Instructor: Nihar Pathak, Erica Cochran Hameen

Americans now spend 95% of our time indoors, but under what conditions? How can we design our buildings to be energy efficient and promote healthy, safe, productive, and inspiring environments? To answer these questions and more, the course focuses on the fundamentals and concepts of Indoor Environmental Quality (IEQ). The coursework allows students to identify the concerns with the indoor environment through POE and suggest reformative measures.

At the end of the course, you will be able to:

- Understand the metrics used to evaluate air quality, lighting quality, thermal quality, acoustic conditions, and spatial quality.
- Understand qualitative, quantitative & Mixed Methods to measure IEQ.
- Identify and recommend design solutions that promote healthy, energy efficient, equitable, and productive built environments.
- Identify critical questions facing key K-12 school stakeholders when undergoing a new construction or major renovation project.