

# **Arch 594BLCC: Building Life Cycle Cost Assessment**

Spring 2023

Instructor: Mohamed Boubekri, Ph.D.

Time: Tuesday 2-4:50 (First option) or Wednesday 9:11:50 (Second option)

Credits: 3 - 4 hours

LCCA is a process of evaluating the economic performance of a building over its entire life. Sometimes known as “whole cost accounting” or “total cost of ownership,” LCCA balances initial monetary investment with the long-term expense of owning and operating the building.

LCCA is based upon the assumptions that multiple building design options can meet programmatic needs and achieve acceptable performance, and that these options have differing initial costs, operating costs, maintenance costs, and possibly different life cycles. In Arch 594-LCC students will learn the mechanics how to make a full life cycle analysis of a given design alternative as well as how to estimate the return on an building investment solution.