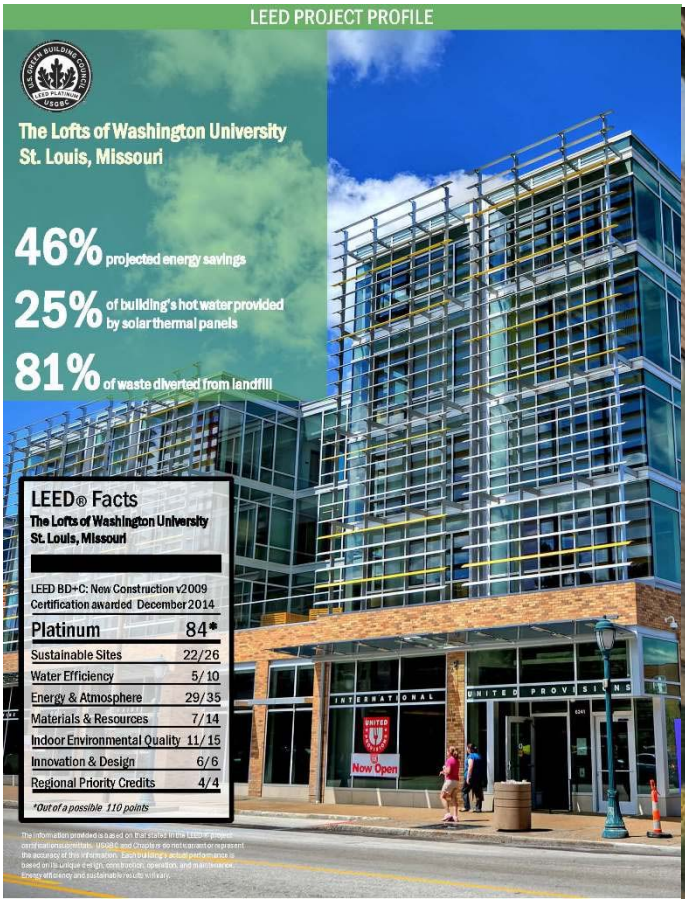

ArchSt 4325
Energy-Efficient Building Design

3cr Online Course FS SS SP

This course is a broad study of energy use in and energy-efficient strategies for non-residential buildings. Designing and constructing energy-efficient buildings is an opportunity to use building concepts, systems, and materials with a greater awareness of the impact of building use on the natural and human environment, and to create healthier buildings for occupants. The class content begins by summarizing basic energy-efficient and climatic building design concepts and proceeds to current breakthroughs in building science and technology available for use in buildings.

The course content will cover the fundamentals of climate-based design, energy-efficient heating/cooling/daylighting strategies, alternative energy systems applicable to buildings, energy auditing/modeling/verification, applicable building energy codes, and high performance building technologies.

For more information, contact
Michael Goldschmidt goldschmidtm@missouri.edu (573) 884-0905