



ARC 592: ERGONOMICS IN BUILDING DESIGN

Ergonomic design seeks to support the goals of individuals and organizations, reduce stress, insure safety and maximize human potential. It includes consideration of physical, sensory, cognitive and emotional issues in design.

This course will introduce students to principles, practices and knowledge from this field that can be applied in building design. It will also provide instruction and practice in the use of simple methods and tools that can be used effectively in design practice .

The pursuit of "good fit" is as much an art as it is a science. Not only must the design principles be soundly based on fact but creativity, imagination, craft and skill are required to discover new principles and to integrate them in designed artifacts. Moreover, the ultimate goal of good ergonomic design is supporting the highest level of human performance. When this is achieved, people get pleasure in using an object or place; they feel good about using it and it becomes attractive and meaningful to them, just like a work of art.

The focus of the semester will be to investigate ergonomic design within the context of transportation systems. The class will study specific issues related to design of bus stops and shelters and conduct research with diverse user groups to evaluate existing designs and innovative design proposals.

Dr. Edward Steinfeld, Instructor
T, Rm 207 Deifendorf, 10:00AM -12:40PM