Radiant Panel Design Project

The purpose of this lab development project is to demonstrate to students the importance of layout, spacing, and material selection of radiant panel systems for heating and cooling applications in the built environment. Students will be required to design a flexible set of components typically used in radiant heating and cooling applications. This design set will be similar to an erector set where students can build and test different configurations using a variety of materials as well as compare calculations to experimental results to determine accuracy of design. The goal is to utilize this radiant panel design set as a lab experiment in ETME 424.