

**Faculty Mentor:** Dr. Laura Cole, Architectural Studies

## **Application of Natural Building Design on Net Zero Energy Buildings**

Serena Joliff and Laura Cole

As concerns for the environment and our planet have been growing exponentially, there have been numerous responses and strategies proposed to face the reality. The field of architecture is no different; statistics have shown that the building sector continues to be a primary energy consumer in the United States. This research-based project will focus on two building designs that are known for sustainability: Net Zero Energy Buildings (NZEBS), and Natural Buildings. My research seeks out the similarities and differences between the two building designs and analyzes natural building design strategies that can be integrated into designs for NZEBs. The findings of this research can potentially widen options in construction of NZEBs, create more availability for people to live in sustainable homes, and achieve increased sustainability as a building. The research will consist of literature reviews of books and articles, and an in-depth analysis of a precedent design project..