P.U.R.E. Research Plan Form

Mentee Information

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Mentor Information

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Faculty Advisor: ____________________________________________

Fall 2016 Research Plan

1.) Write a brief outline of your research plan:

Study stress and strain relations, and understand loading on various elements of a structure. Pick up a building on campus and use the software to analyze the forces through the building. The point of analyzing is to verify the dimensions of the structural elements of the building and determining if the building is safe to carry the current load. Except for the structural details, I will also pay attention to the effective use of spaces as well as the durability. The building is to be determined.

2.) What do you hope to learn and achieve by the end of the semester?

I hope to learn how to systematically analyze and start a building project. Unlike the systems I have in the physics problem, a building is a very complex structure. It is used for multiple purposes so when talking about and analyzing a specific part of the building, I must take many variables into consideration, which can be complicated. Thus, learning how to cut something complex into simple pieces and take care of them separately might be important.

Mentee Signature: _______________________________  Date: 9/20/2016

Mentor Signature: _______________________________  Date: 9/20/2016