

## Guidelines for 280F project assessment

### BASIC PROJECT: Reproduce existing understanding

Describe the real problem in all complexity  
Identify and define major physical problems involved  
Identify core questions  
Reduce complexity of problem: choose 1 key question  
Review and reproduce an existing analysis of THIS question  
Discuss successes and limitations of results  
Determine qualitative ways to improve analysis

### EXCELLENT PROJECT : Reproduce and evaluate existing understanding OR create new knowledge

Describe the real problem in all complexity  
Identify and define major physical problems involved  
Identify core questions  
Reduce complexity of problem: choose 1 key question  
Review and reproduce an existing analysis of THIS question  
Discuss successes and limitations of results  
Determine qualitative ways to improve analysis

(The reproduce knowledge option)

Determine quantitative ways to improve SOME ASPECT (NOT ALL) of analysis  
Discuss learning gained and limitations.  
Discuss directions for further work.

(The construct knowledge option)

Construct your own model.  
Discuss learning gained and limitations.  
Discuss directions for further work.

