

The Performing Arts Center

| | Milestone 1 & CPEP Update | | Milestone 2 & CPEP Update | | | | Milestone 3 & CPEP Update | | | | Milestone 4 & CPEP Update | | | | |
|--|---------------------------|--------|---------------------------|--------------|---------------|---------------|---------------------------|--------------|---------------|---------------|---------------------------|-------------|---------------|---------------|--------|
| | 22-Jan | | 12-Feb | | | | 4-Mar | | | | 1-Apr | | | | |
| Activity | 17-Jan | 24-Jan | 31-Jan - 6-Feb | 7-Feb-13-Feb | 14-Feb-20-Feb | 21-Feb-27-Feb | 28-Feb-5-Mar | 6-Mar-12-Mar | 13-Mar-19-Mar | 20-Mar-26-Mar | 27-Mar- 2 Apr | 3-Apr-9-Apr | 10-Apr-16-Apr | 17-Apr-24-Apr | 29-Apr |
| Collect data on current operations | | | | | | | | | | | | | | | |
| Investigate Case Studies | | | | | | | | | | | | | | | |
| Develop alternative cost & schedule | | | | | | | | | | | | | | | |
| Finalize Write-Up | | | | | | | | | | | | | | | |
| Collect data on SAM productivity | | | | | | | | | | | | | | | |
| Collect data on material & task duration of installation | | | | | | | | | | | | | | | |
| Create new sequencing & schedule | | | | | | | | | | | | | | | |
| Finalize Write-Up | | | | | | | | | | | | | | | |
| Design FPIU*(Breadth) | | | | | | | | | | | | | | | |
| Design & run energy model simulations (Breadth*) | | | | | | | | | | | | | | | |
| Complete acoustical analysis (Breadth*) | | | | | | | | | | | | | | | |
| Finalize Write-Up & Analysis | | | | | | | | | | | | | | | |
| Finish Lit Review & Research | | | | | | | | | | | | | | | |
| Create preliminary workflow & design for how to digitally fabricate building structure | | | | | | | | | | | | | | | |
| Revise workflow for final process | | | | | | | | | | | | | | | |
| Apply to Performing Arts Center | | | | | | | | | | | | | | | |
| Finalize write-up | | | | | | | | | | | | | | | |

Spring Break

Final Report Due on April 8th

Senior Thesis Presentations (4/11)

ABET Evaluation & CPEP Update (Apr 17-24)

Senior Banquet (4/29)

| Analysis Descriptions |
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| Analysis 1: Cast-in-Place Concrete Wall Pour Analysis |
| Analysis 2: Alternative Façade Analysis |
| Analysis 3: Focused Acoustical & Energy Analysis of Alt. Terminal Unit |
| Analysis 4: Digital Fabrication |

| Milestone Summary | |
|-------------------|--|
| Milestone #1: | Data Research for analyses & communication with project team; finish lit review |
| Milestone #2: | Analysis 1 case studies; façade data and sequence started; schedule & cost started; digital fabrication workflow started |
| Milestone #3: | Mechanical breadth; acoustical breadth; digital fabrication workflows compiled |
| Milestone #4: | Final schedules, full analyses, schedules completed |

Key: Bar Chart
Resubmission