

PROGRESS SCHEDULE

LIGHTING DEPTH TASKS

1. Schematic Design: The schematic design phase will be completed at the end of the fall semester. The designs will be presented at Lutron and review by professionals. The designs will be modified based on the feedback of the professionals.
2. Construct 3D Models: The spaces will all be modeled three dimensionally using AutoCAD 2008.
3. Fixture Selection: Appropriate fixtures and equipment will be chosen based on the requirements of the spaces and the schematic designs. Custom fixtures will be designed when applicable.
4. AGI-32 Renderings: I will use AGI-32 to create renderings and perform lighting level calculations on the spaces with specified fixtures. A comprehensive analysis will be performed on the lighting levels and criteria, and adjustments will be made to the final designs as necessary.
5. Documentation: Documentation for this thesis will include lighting plans, fixture schedules, calculations and fixture cut sheets.

ELECTRICAL DEPTH TASKS

1. Redesign the electrical panelboards in the 5 spaces where the lighting was redesigned
2. Complete a protective device coordination study
3. Analyze the feasibility of changing the lighting from 120V to 277V.
4. Complete an analysis of the electrical system including short circuit analysis, protective device coordination and arc fault study.

ARCHITECTURAL BREADTH TASKS

1. Research
2. Analysis of current solution.
3. Possible redesign solutions.

ACOUSTICAL BREADTH TASKS

1. Research
2. Analysis of existing acoustical system.
3. Possible redesign of the materials and acoustic properties.

MILESTONES

January 26, 2009

- Finish Schematic Design
- Complete majority of the 3D model in AutoCAD
- Complete fixture selection

February 9, 2009

- Complete 3D model
- Begin rendering in AGI32
- Begin Panel Redesign

February 23, 2009

- Complete panelboard redesign
- Complete AGI32 renderings
- Begin protective device coordination
- Begin to change lighting from 120V to 277V
- Begin SKM analysis

March 16, 2009

- Complete protective device coordination
- Complete lighting change from 120V to 277V
- Complete SKM analysis
- Begin acoustics breadth
- Begin architectural breadth

TIME SCHEDULE																
	WEEK 1 1/11-1/17	WEEK 2 1/18-1/24	WEEK 3 1/25-1/31	WEEK 4 2/1-2/7	WEEK 5 2/8-2/14	WEEK 6 2/15-2/21	WEEK 7 2/22-2/28	WEEK 8 3/1-3/7	WEEK 9 3/8-3/14	WEEK 10 3/15-3/21	WEEK 11 3/22-3/28	WEEK 12 3/29-4/4	WEEK 13 4/5-4/11	WEEK 14 4/12-4/18	WEEK 15 4/19-4/25	WEEK 16 4/26-5/2
Schematic Design									S					P		
Construct 3D Models									P					R		
Fixture Selection									R					E		
AGI-32 Renderings									I					S		
Redesign Panelboards									N					E		
Protective Device Coordination									G					N		
Change Lighting from 120V to 277V														T		
Complete SKM Analysis									B					A		
Acoustics									R					T		
Architecture									E					I		
Documentation									A					O		
Write report									K					N		
Write presentation																
ABET Assessment Chart																
Reflection																
Complete CPEP Site																