

Last Update: 02/28/2010

Current Version: 03/15/2010

*Analysis #3 Revised After 02/16 Go-No Go Meeting

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Construction Management

Penn State University - Senior Thesis Spring 2010 Schedule - Rydal Park Medical Center Addition

Week:	01/11/10	01/18/10	01/25/10	02/01/10	02/08/10	02/15/10	02/22/10	03/01/10	03/08/10	03/15/10	03/22/10	03/29/10	04/05/10	04/12/10	04/19/10	04/25/10	
Task #:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Review 08-09 Project Docs								Spring Break 2010				Final Reports Due Wed., April 7th 2010	Present - Mon. April 12th, 9:20am, ICON	ABET Evaluation Posted and CPEP Final Update	Senior Banquet - Final Week of Classes	
2		Examine Utilized Delivery Style															
3			Research Alt. Enhanced Proj: Collaboration (AIA)														
4				Pinpoint Critical Issues and Perform						Interviews							
5										Develop and Finalize Project Guide							
6	Learn and Develop Energy 10 Model																
7		Mech. Breadth - Alt. Systems Resrch.															
8				Analyze Building with New HVAC Sys.													
9						Cost Analysis / LEED /					Life Cycle Cost Recom.						
10										Compile Research Data / Analyze							
11	Research Photovoltaics																
12		Develop PV Array / Potential Energy Collected															
13				Develop 3D Model for Solar Study													
14							Struct. Breadth - Roof				Load Calcs.						
15								Life Cycle			Cost Analysis / Compile Research						
	Update Milestone Schedule / Upload to eStudio Page - Every Monday																

Milestone 1 - 01/29

Milestone 2 - 02/17
*Go-No Go Check

Milestone 3 - 03/05

Milestone 4 - 03/24
Presentation Check

Milestone Activity List

1. Have necessary questions developed and sent out. Familiarized with Energy 10 software and begin analyzing data collected from the Energy 10 Model.
2. Researched / selected an alternate mechanical system and inputted into the Energy 10 Model. Achieved a good level of understanding with the early phases of this project.
3. Selected a PV Array system, have solar location data and calcs performed. Begin the structural calcs for the PV Panel loads on the roof.
4. All research and data collection completed. Halfway through compiling and writing the report describing what has been found. Begin the powerpoint presentation.

Analysis 1: Tasks 1-5

Analysis includes primary CM studies

Analysis 2: Tasks 6-10

Analysis includes Mechanical breadth studies

Analysis 3: Tasks 11-15

Analysis includes MAE / Structural Breadth requirements