

**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				Structural Breadth - Roof Loads Calcs													
9						Cost Analysis / SIPS /				LEED / Life Cycle							
10										Compile Research Data / Analyze							
11	Develop Questions																
12		Review Constr. Details and Pinpoint Elements															
13				Thermal Eff. Review (MAE Breadth)													
14						Develop Corrective Action				Elements							
15										Analyze Data / Compile Research							
	Update Milestone Schedule / Upload to eStudio Page - Every Monday																

Current Date - 01/25

Milestone 1 - 01/29

Milestone 2 - 02/17

Milestone 3 - 03/05

Milestone 4 - 03/24

Go-No Go Check

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. Completed the performance review of the building envelop. Begin determining the thermal efficiency of the selected system. Begin the structural calcs for the mech 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 and structural breadth studies  
 Analysis 3: Tasks 11-15      Analysis includes MAE requirements