One Credit Special Problems – Energy Scheming Course  
Fall 2010

ARCH 406/606 Sp Pr Energy Scheming (CRN 10886/11022) is a one-credit extension to the Energy Scheming Arch 498/Arch 598 course, which can be used to complete the 4-credit technology cluster.

Since this is a special studies course, you will need to fill out an approval form for taking the class. Contact with Kathy Cannon in the Architecture for getting and submitting the approval form. The instructor of record for this class is Professor G.Z. Brown. Bring the form to the Energy Studies in Buildings Laboratory (Pacific Hall 103) to get the approval signature. Your id number will be entered into the system and then registration for the course will be made available to you via duckweb. Also email Tomoko Sekiguchi (tomokos@uoregon.edu) about intentions to take the course.

You must take the class Pass/No Pass.

The work for the class consists of:

• Inputting your studio project or an important representative piece of a project into Energy Scheming
• Documenting energy improvements
  o Annotated documentation of energy improvements
    ▪ specs
    ▪ graphic report
    ▪ advisor with justification of why or why not advice was used or not
    ▪ Energy Performance Report with annotation and justification of particular losses or gains
  o Demonstrating the impact of changes on building design as a result of using Energy Scheming on your project.
    ▪ Drawing of building after using ES
• Written conclusion including recommended changes to the original building.

Requirements:

• Energy Performance Reports for the initial and final Energy Scheming runs which clearly show the differences between the two runs.
• Clear documentation so information is easily verifiable.
• Keep original building file and final building file in case of questions.

Tips:

• Follow advice and show results or don’t follow advice but make your own decision noting reasons for not following advice. This is a tool to help you make decisions not to make them for you.
• Don’t print the whole Energy Performance Report. It is very long. Printing the hourly data is not necessary unless used to illuminate a particular issue. Only print parts of the Energy Performance Report that supports your reasoning in making your building energy efficient.
• Hand annotating Energy Performance Report works well.
• If you need more guidance on creating your report, I have examples of work – email me.

Your work will be due on Wednesday of finals week. Turn in a paper copy to the Energy Studies in Buildings Lab, Pacific Hall room 103 or an electronic copy to tomokos@uoregon.edu.

Please contact me if you have questions. You can send me work for review if you send it two weeks before the due date.

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