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## Course Project Guide

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### Project Description

The goal is to find the air conditioning equipment most appropriate for a project of choice.

Each project should include the following areas:

1. Thermal loads for the building and rooms
2. A psychrometric analysis to determine the supply air conditions and cooling coil capacity.
3. Provide a printout of the software
4. Provide a sketch of the equipment and duct location
5. Provide the specifications of the equipment as given by the manufacturer

### The deliverables are:

- **Project topic:**

One page including at least the following information: Project name and scope, motivation for choosing the topic, name of all team members, and data availability to complete the project.

- **Project Early Calculations:**

This will be a brief report of your progress including all calculations done up to date, plant view of the building, elevations and construction materials.

- **Project Updated Calculations:**

This will be a brief report of your progress similar to the previous one but performed at a later date.

- **Final presentation:**

This will be a max of 10 minute presentation accompanied by a report summarizing the design.

- **Written report:**

The final report format is flexible. At minimum there should be a one page with the project's most relevant data, a project summary of maximum 15 pages including graphs and tables, and a supporting section for the calculations, data sources and methods utilized. All supporting data such as drawings, tables etc. should be located in appendices.

**The reports will NOT be returned to the student! Please make copies for your records.**

### Grading

The course project is worth a considerable portion of the total course grade the evaluation includes the deliverables listed above. See the syllabus for due dates and weight.

### Course Policies

Casual discussion of course project and homework assignments is allowed and encouraged. However, each student should prepare the deliverables independently unless authorized to work in a team. Florida International University has a Code of Academic Integrity, this Code sets standards for academic integrity for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity please visit <http://w3.fiu.edu/enc/Academic%20Misconduct.htm>

Class attendance is highly recommended but not required. In-class participation counts towards the final grade.

Students with disabilities who may need special accommodations should register with the Office of Disabilities Services, telephone (305) 348-3852. In addition they are encouraged to contact the instructor so that arrangements can be made to accommodate their needs. The Department of Construction Management adheres to the University's policy concerning religious holidays. Any student will be excused from attendance in order to observe a religious holiday for their faith. If an examination or

presentation is scheduled on that date, an alternate date will be provided. Students are expected to inform the faculty, ahead of time, of such holidays.

**Electronic Files**

Please provide electronic copies of the course deliverables including all files used. These should be uploaded to WebCT in the specified link. Use the following format for the file names:

lastname\_deliverable.ext

For example if Mr. John Smith is submitting the first homework he should name the file as:

smith\_homework1.doc

The extension of the file should be compatible with the software that created it