

## **PRESENTATIONS/PAPERS** **(10 points to the Total grade)**

Each group must write a paper about a CE Material that has not been covered in class. Subsequently, they will do a presentation towards the end of the course.

*Examples: nanomaterials or something truly cutting edge. NO fiber composites, Kevlar, or laminated wood.*

The suggested guideline for the paper and presentation is as follows:

1. Clearly explain the purpose/objective of the paper. This should include a brief explanation of why a material that was selected is important.
2. Literature review/background on material – Origin, history, composition, evolution of the material with time, etc
3. Properties: Physical, chemical, mechanical, etc
4. Construction issues, variability, cost, and feasibility
5. Applications and the potential in CE industry both short term and long term.

Organization and presentation of the information will be given considerable importance.

The paper should be written and organized in such a manner that someone reading it for the first time should have a pretty good idea about the material. A similar concept applies for presentations.

Please let me know the topic by Wednesday **November 5<sup>th</sup> 2008** so that there is no conflict between groups. There are no guidelines on the length of the paper or presentation. The paper/presentation should contain the necessary information to understand the material.

### **Deadlines:**

Topics are to be submitted/approved by Wednesday **November 5<sup>th</sup> 2008**.

A one page summary of the paper with list of questions (3 to 5) should be submitted electronically by Wednesday **December 10<sup>th</sup> 2008**. *Some of these questions will be included in the Final exam.*

The groups will give a 15-minute presentation **December 11<sup>th</sup> 2008**.

All papers are due on **Thursday December 11<sup>th</sup> 2008**.