GROUP PROJECT SUMMARY (FIELD TRIP/PAPERS/PROJECTS)

a. Literature Search
   Go to the library and find references relating to the technology or testing of a building structure and write a brief synopsis about the Representative Material (RM) for this class which includes Asphalt, Masonry, Soil, Concrete and Wood. (i.e. Find a building of a wood/masonry/concrete frame structure in a magazine, periodical or book and mention some interesting facts about this structure pertaining to testing or technology.)

b. Find Web Sites that pertain to a particular technology or testing procedure for CET431's RM and write a paper as instructed. (i.e. Forensic Equipment in Masonry Structures)

c. Find a Web based program or any software that supports testing or placement of the RM. Write a paper about the software which may include a sample execution of the program. (i.e. Ghaly's mix design site)

d. Find a Field Project and do a write up on the technology and testing conducted on site. Include field reports, specifications, and job descriptions, etc. (i.e. NJIT's new Masonry Dorm)

e. Find Codes and Specifications and do a comparison of testing equipment and procedures between these sources (i.e. Building code (ACI 318) vs Standard Spec (ACI 211), ASSHTO vs ASTM, etc.)

f. Create a demonstration model or experiment that explains physical properties discussed in class or that relate to testing materials. (i.e. Scale and Flask demos explaining specific gravity, exothermic process of concrete, etc.)

g. Create a skit(s) which demonstrates the anomalies that occur within a lab/lecture class that portrays how the human factor effects learning/teaching or practical hand-ons experiments. (i.e. miscommunications within groups or between student and teacher)

Format:
Cover Sheet
Table of Contents
Introduction or Overview
Various Sections and Headings
Conclusion (Tabulations of all selected materials, equipments, codes, etc)
Bibliography and References
Appendix

NOTES:
a. Each Group will choose three out of the seven options
b. Papers should be a minimum of five pages of type written text.
c. Groups will present their papers and projects to class at the designated class time.
d. Absolutely no late submissions.