

TERM PROJECTS(to be presented as noted in syllabus)
(PROJECTS ARE DUE NO LATER THAN APRIL 14TH, 2010)

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 concrete structure and write a brief synopsis about the :

Representative Material (RM) for this class which includes Masonry and/or Concrete (i.e. Find a building of a 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 CIM 101'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. exothermic process of concrete, etc.)

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 ONE out of the SIX 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.