DR. DAVID WASHINGTON
ASSOCIATE PROFESSOR

TERM PROJECT
ENVIRONMENTAL SCIENCE
CET 413

TERM PROJECTS(to be presented as noted in syllabus)

(PROJECTS ARE DUE NO LATER THAN APRIL10TH, 2007)

I.PROJECT SUMMARY

a. Literature Search
Go to the library and find at least **one** reference/person relating to the Environmental Technology and/or Construction and write a brief synopsis about the technology/design as a case study. (i.e. Find a environmental project in a magazine, periodical or book and mention some interesting facts about the technology or the construction of the project/facility)

b. Answer one of the website questions from each chapter in the book.

c. Find a Web based program or any software that supports environmental testing or applications. Write a paper about the software which may include a sample execution of the program. (i.e. Modflow - hydrology software)

d. Find a Web Sites that pertain to either legislation/regulatory agencies and present a clear connection between its standards and its enforcement (i.e. State .vs. City, or ASTM .vs. OSHA, Are there any overlap??, What are some exceptions to the rules?? etc.)

e.Find a Field Project or Case Study and do a write up on the technology/testing that was conducted on the site. Include field reports, specifications, and job descriptions, etc. (i.e. Ground Zero)

f. Similar to part d, find Codes and Specifications and do a comparison of testing equipment/ procedures between these sources/instruments (i.e. Split Spoon Sampling .vs. Geoprobe, DEP Procedures .vs. ASTM procedures for testing, etc.)

g. Create a demonstration model or experiment that explains environmental properties discussed in class or that relate to testing materials. (i.e. mixing solutes in solutions .vs. mixing colloids in solution, the electro-osmosis condition, etc.)

II. RULES FOR INDIVIDUALS AND GROUPS **(RULE#1 -THE DEADLINE IS ABSOLUTELY THE LAST POSSIBLE DATE OF SUBMISSION- NO EXCEPTIONS)**

a. **Groups** are from 3-5 students. Leader must be elected from each group and an outline of selected parts must be submitted by the end of the session(s) designated for Librarian. First draft submission of summary or paper is due on February 27, 2007.

b. For any size **Group**, only **THREE** parts are required, however for groups greater than three, each member may elect to do a different part for additional credit. There is no minimum number of pages for group submissions.

c. **Parts A & B** are mandatory for both groups and individuals. (Please note that not everyone in the group has to answer all of part B, just one submission is required for answering each website question per chapter)

d. **Individuals** have a choice of choosing **only Part A & B**, by choosing **Three references** and writing a paper about this topic for Part A (Paper should be a **minimum of five pages** of type written text) and your website answers for the Chapters in Part B, **or** they can elect to do **THREE** parts and follow the Group guidelines.

e. Both Groups and Individuals will be required to present their work at the end of the semester. All members of the group, must be in attendance during the presentation to receive full credit for their work.

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

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TERM PROJECTS- COVER SHEET

INSTRUCTIONS: PLEASE FILL OUT THE INFORMATION ON THIS PAGE AND DETACH IT FROM YOUR TERM PROJECT GUIDELINES. BEFORE SUBMITTING THIS PAGE TO LIBRARIAN, PLEASE PRINT YOUR NAME AND SIGN THE BOTTOM OF THIS PAGE AT THE CONCLUSION OF YOUR LIBRARY SESSION. **(Haymwantee Singh -x8498)**

WHAT TOPIC DID YOU FIND?

WHAT IS THE CITATION FOR YOUR REFERENCE?

ARE YOU WORKING IN A GROUP OR BY YOURSELF?

IF YOU ARE WORKING IN A GROUP WHO ARE YOUR GROUP MEMBERS AND WHO IS YOUR LEADER?

IF YOU ARE WORKING ALONE, DID YOU FIND THREE REFERENCES?

PRINT YOUR NAME NEATLY

SIGN YOUR NAME