GEOG 371 Rural Water Supply, Sanitation and Hygiene Education in the Developing Countries
Spring 2012
Monday and Thursday 14:45 to 16:00
HN 1022

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Email: mibrahim@hunter.cuny.edu. Please be sure to use GEOG 371 in you subject line and sign your full name to any message you send me. I do not respond to unsigned email messages.

No textbook. See the reading list. All of these papers will be on reserve in the library or available via the internet.

Goals/ objectives and expected student outcome:

The main goal and objective of this class is to study and understand aspects of rural water supply, sanitation and hygiene education in developing countries. The course will discuss the relationship between water, sanitation and hygiene education, history, policies, management, gender, consumption, challenges and sustainability of rural water supply. It will also discuss different types of sanitation facilities that are used by rural people of developing nations. Students are expected to learn about the policies, sources, consumption, challenges, and sustainability of rural water supply on the one hand and the types of sanitation services and their problems in rural areas on the other.

Lecture Schedule:

Week 1: Jan. 30 – Feb. 2
Availability of water in the world
Relationship between water, sanitation and hygiene

Readings:

Week 2: Feb. 6-9
History of rural water and sanitation since 1960s

Readings:
Mon. 13
Week: 3: Feb. 16
NO CLASS
International and national water policies and their Problems
Readings:

Mon. Feb. 20 (Mon.)
NO CLASS

Week 4: Feb. 21-23 (Tue and Thru.)
Rural water approaches since 1960s
Reading:

Week 5: Feb. 27- March 1.
Sources of surface water
Reading:

Week 6: March 5-8.
Sources of ground water
Reading:

Week 7: March 12-15
Rural water collection, storage and consumption
Reading:
http://pubs.iied.org/pdfs/9049IIED.pdf

Week 8: March 19
Water quality and perception
Reading:

Thursday March 22
MID-TERM EXAMINATION
Week 9: March 26-29

Water-borne diseases

Reading:

Week 10: April 2-5

Challenges to rural water: population growth and water scarcity.

Readings:


April 6-15

Spring Recess

April 16

Submission of the term paper (hard copy submission only)

Week 11: April 16-19

Challenges to rural water: Climate change and Corruption

Readings:


Week 12: April 23-26

Types of sanitation services in the rural areas

Readings:

Week 13: April 30-May 3

Importance and application of hygiene education

Reading:

Week 14: May 7-10

Sustainability of rural water supply, sanitation and hygiene education

Reading:

Week 15: May 14

Summary and conclusion

FINAL EXAMINATION (will be announced later)

Grading system:

Mid-term examination------------------------ 40%
Final examination-------------------------- 40%
A term paper----------------------------- 20%

Mid-term Exam:
The midterm exam is a take-home examination consisting of four short essay questions. You need to support your writing with examples from peer-reviewed articles.

Final Exam:
Half of the final examination is a take-home exam consisting of two short essay questions. These essays should be supported with examples from peer-reviewed articles. The other half (another two short essays) will completed in class.

Please note the following guidelines for your term paper:
1. The professor must approve your topic. Choose one from the topics listed in the lecture schedule.
2. The paper must be double-spaced, one inch margins on all sides, 12 point font, and at least 14 pages long plus bibliography.
3. It should include a minimum of 10 cited references from books and peer-reviewed articles.
4. The paper should include tables, maps or graphs (notate the source).
5. In case of citation of references in the text, use APA format (parentheses) and NOT the MLA format (You will be given printout examples in the class).

6. There should be a cover page showing the title, your name, course number, instructor’s name and the semester (i.e. Spring 2012).

7. Sub-headings should be used in the paper along an introduction and a conclusion.

8. The bibliography should be written properly at the end of the paper.

9. The deadline for submission of the paper is April 16, 2012 (No email submissions).

10. If you have any question(s) come and see me.

11. Not following of any of these points will reduce your grade.

**Attendance and Grading Policies:**

1. There is a direct correlation between good grades and good attendance. Come to the class prepared, read the appropriate articles of the reading list, take notes, study for your exams and you will be successful. Attendance is taken at every class meeting.

2. I do not give incompletes (IN) except under the most extraordinary, and documented, circumstances.

3. The only students who will be eligible for CR/NC at the end of the semester are those who have completed all of the course requirements including all mid-term exam, term paper, and the final exam.

4. If miss an exam, you must (1) contact me within 48 hours of the missed exam, (2) present acceptable documentary evidence for your absence, and (3) arrange a make-up exam at a mutually convenient date and time. A make-up exam covers the same materials as the regular exam but will not be the same exam given as scheduled.

5. If you fail to take the final exam, you have the same 48 hours in which to contact me about a make-up exam and provide me with the appropriate documentation supporting your absence. If I do not hear from you within that time period, I will award you an exam grade of zero (0), and average that zero into your semester grade.

Please … do not hesitate to come and see me if you have any questions.

**HUNTER COLLEGE’S STATEMENT ON ACADEMIC HONESTY:**

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

And I might add that creative originality and integrity are essential if you want to develop the kind of knowledge that is going to do you any good in life. When you cheat at school, the one you are really cheating is ultimately your future self.