GEOG 371
Rural Water Supply, Sanitation and Hygiene Education
in the Developing Countries

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Reading list: No textbooks. However the following are suggested books:


Additional articles from journals and reports from international organizations will be given.

The course covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will also discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.

Course Outline:

1. Introduction: Rural Water Supply, Sanitation, and Hygiene Education
2. Present situation of water supply and sanitation in developing countries
3. Social approaches to water supply
   - History of water supply: public and private ownership
   - Community participation (bottom-up approach)
4. Sources of drinking water
   - Surface water
   - Ground water
5. Drawing, carrying, usage and storage of village water supply
   - Methods of drawing rural water supply.
   - Different means of carrying water.
   - Usage and storage of rural water supply
   - Problems of drawing and handling of rural water supply
6. Midterm Examination (it is mainly a take-home exam)
7. The quality of rural water supply
   - Perception of color, odor and taste of surface water
   - Perception of color, odor and taste of ground water
8. Water policy, planning and management
   - Problems of government management
   - Integrated rural development plan
   - Participatory approach: management training, operation and maintenance
9. Sanitation
   - Importance of sanitary facilities
   - Factors affecting sanitary facilities
10. Sanitation problems
11. Hygiene education, Sanitation, and water supply
    - Children education
    - Public Education
12. Conclusion
13. Final Examination (Half of it will be a take-home exam.)

Grading System:

Midterm Examination ______________________ 40%
Final Examination ______________________ 40%
Term Paper ______________________________ 20%

Important Note:

Please note that this class needs a lot of writing to pass the class.

Term Paper:

Choose any of the above listed topics and write a paper about it.

1. The topic should be approved by the instructor
2. The paper should be at least 12 pages long (double spaced).
3. There should be a minimum of 10 cited references from books and peer reviewed journals.
4. The paper should include tables, maps or graphs (notate the sources).
5. Use Parentheses format (Not MLA format) to write the paper.
6. A cover page showing the title, your name course number, instructor and semester should be included.
7. No web citations are will be accepted except for maps, graphs, tables or diagrams.
8. Your papers should be written using subheadings including introduction and conclusion.
9. There should be a properly written bibliography at the end of the paper.
10. The deadline for submission of the draft of paper is June 22, 2010.
11. If you have any questions, don’t hesitate to come and see.

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