CURRICULUM ASSESSMENT Department of Geology University of Puerto Rico at Mayagüez

This questionnaire is intended for geology students only. The results of this assessment will help the Department design and modify the curriculum to meet the graduating student profile. <u>Do not</u> write your name nor student number in the computer answering sheet. Please choose only <u>one</u> answer. If you have answered this questionnaire before during this semester, you do not have to do it again.

- 1. Year of Study:
 - a. Freshman $(1^{st} year)$
 - b. Sophomore (2nd year)

 - c. Junior (3rd year)
 d. Senior (4th year or more)
- 2. Department that your were accepted when entered to UPRM:
 - a. Geology
 - b. Engineering
 - c. A Science Department other than Geology
 - d. An non Science or Engineering Department
- 3. Expected Graduation Date:
 - a. 2004 b. 2005 c. 2006 d. 2007 e. 2008

PART I: SKILLS AND VALUES

Using the scale below, please evaluate the effectiveness of the geology program (curriculum) in developing the following skills. For this evaluation please consider ALL courses taken in UPRM so far.

A: excellent B: good C: average D: poor E: deficient

SKILLS AND VALUES
4. Critical thinking and problem solving skills through the scientific method
5. Skills of Team Work
6. Communication skills in Spanish and English
7. Computer literacy and its scientific applications
8. Knowledge of up-to-date scientific tools and techniques
9. Awareness of contemporary scientific issues
10. Awareness of ethical implications in science
11. Ability to learn by yourself
12. Ethics

PART II: SCIENTIFIC KNOWLEDGE

Using the scale below, please evaluate the effectiveness of the curriculum in developing the knowledge of the following fields:

A: excellent B: good C: average D: poor E: deficient

SCIENTIFIC KNOWLEDGE
13. Paleontology
14. Sedimentology and Stratigraphy
15. Structure & Tectonics
16. Igneous and Metamorphic Petrology (including volcanology)
17. Geomorphology and Quaternary Geology
18. Hydrogeology
19. Geophysics and Seismology
20. Environmental Geology
21. Geochemistry
22. Engineering Geology
23. Mineralogy
24. Geology of Puerto Rico

PART III: OVERALL PERFORMANCE OF THE DEPARTMENT

Evaluate each of the following as strength or a weakness of our Department using a grading system from A to F.

CRITERIA
25. Variety of Courses
26. Laboratory Equipment and Facilities
27. Faculty
28. Flexible Curriculum (ratio of core vs. electives courses)
29. Courses Content
30. Research Opportunities

PART IV: OTHER SUGGESTIONS

Mention three aspects that we should change for improving the curriculum of the Department of Geology.

- 1.
- 2.
- 3.