### Graduating Student Exit Survey

*Part I – to be filled at end of CAPSTONE Course*

**Year _________**

**Program Studied:**
- ___ Civil Engineering
- ___ Surveying & Topography

**Rank your area of professional interest:** (First priority = 1)
- ___ Structures
- ___ Environmental
- ___ Materials
- ___ Construction
- ___ Surveying/Topography
- ___ Multidisciplinary

**What is your situation with the fundamental of engineering exam?**
- ___ Have not taken.
- ___ Taken once and passed.
- ___ Taken once and failed.
- ___ Taken more than once and passed.
- ___ Taken more than once and failed
- ___ Expect to take it next year.

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### Evaluation of the fulfillment of the Profile of the Graduating Students:

**Instructions:** Use the following scale to indicate your agreement with the following:
- 1 - Very dissatisfied
- 2 - Dissatisfied
- 3 - Satisfied
- 4 - Somewhat more than satisfied
- 5 - Expectations surpassed
- N/A – Not Applicable or Not Able to Answer

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<th>More &lt;= Satisfaction = =&gt; Less</th>
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**1. Can you understand and apply the following knowledge?**
- a. Mathematics (through differential calculus)
- b. Probability and statistics
- c. General chemistry
- d. Calculus based physics
- e. Other sciences

**2. Are you proficient in the following major civil engineering areas?**
- a. Structural and Materials
- b. Geotechnical
- c. Environmental
- d. Water resources
- e. Transportation
- f. Construction management

**3. Can you conduct laboratory experiments and critically analyze and interpret data in the following areas?**
- a. Structural and Materials
- b. Geotechnical
- c. Environmental
- d. Water resources
- e. Transportation
- f. Construction management
4. Have you learned to design civil engineering systems, components or processes by means of design experiences integrated throughout the professional content of the curriculum?
   a. Systems  
   b. Components  
   c. Processes  

5. Which of the following skills, tools and techniques needed for civil engineering practice are you proficient in?
   a. Oral communication skills in Spanish  
   b. Written communication skills in Spanish  
   c. Oral communication skills in English  
   d. Written communication skills in English  
   e. Drawing skills for communicating engineering ideas  
   f. Use of computers, internet, word processing, spreadsheet, database programs  
   g. Probability and statistics  
   h. Computer programming  
   i. Participation in professional organizations  
   j. Professional laws, regulations and ethics codes  
   k. Application of computer professional programs to solve civil engineering problems  
   l. Knowledge of how to obtain information on laws, regulations and construction codes affecting the practice of civil engineering.  
   m. Stress management  
   n. Values  
   o. Meeting skills  
   p. Critical thinking  

6. Can you work in a collaborative multi-disciplinary professional work group assuming the following roles when needed?
   a. Leader  
   b. Follower  
   c. Parliamentarian  
   d. Time-manager  
   e. Recorder (note-taker)  

7. Can you:
   a. Identify civil engineering problems?  
   b. Formulate civil engineering problems?  
   c. Solve civil engineering problems?  

8a. Can you communicate effectively in Spanish?  
8b. Can you communicate effectively in English?  

9. Can you understand professional practice and ethical responsibility issues such as:
   a. Procurement of work  
   b. Bidding versus quality – based selection processes  
   c. How the design and construction professionals interact to construct a project  
   d. The importance of professional licensure and continuing education  
   e. Other professional, social, and moral issues
10. Do you have the broad education necessary to understand the impact of civil engineering solutions on issues such as:
   a. Health
   b. General welfare
   c. Safety
   d. Environmental quality
   e. Economy in a global/societal context

11. Are you committed to engage in lifelong learning throughout all of your professional life?
   a. Continuing education courses
   b. Undergraduate level courses in addition to degree
   c. Graduate courses
   d. Professional seminars
   e. Professional society annual conferences
   f. Membership in professional societies
   g. Technical publications
   h. Independent learning

12. Do you participate in the following lifelong learning activities?
   a. Social
   b. Cultural
   c. Economic
   d. Artistic
   e. Ethical
   f. Environmental
   g. Engineering

13. Do you have the managerial and entrepreneurial skills needed to solve civil engineering problems?

14. Are you satisfied with cost of education at UPRM?

15. Are you satisfied with the level of professor’s expectations of student’s work?

16. Are you satisfied with the projects assigned in the program at UPRM?

17. Are you satisfied with the quality of teaching in the CE department?

18. Are you satisfied with the quality of the research carried out in the CE department?

19. Are you satisfied with the facilities in the CE department?

20. Are you satisfied with the UPRM campus environment?

21. Are you satisfied with the quality of education received at UPRM?

22. Would you recommend the CE program at UPRM to your family and friends?