Saludos:

Adjunto documento requerido.

Cordialmente,

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Ciencias Geomaticas
Polytechnic University of Puerto Rico
Work Plan 2013-2014

Department: Geomatic Science Department
Department Head: Marisol Rodríguez
Date: October 25, 2013

Introduction

The Geomatic Science Department at the Polytechnic University of Puerto Rico has the mission of contributing to society through the formation of professional excellence and service delivery in the various fields of Geomatics Sciences.

Since the establishment of this mission in the year 2003, the Geomatic Science Department has been working under the general guidelines of an internal strategic plan in order to comply with the stated mission. The first generation of the plan, 2003-08, included the main goals of obtain ABET’s accreditation and the development of a graduate program, among others. The second generation, 2009-14, highlights the importance of four main areas; improve teaching activity, support research efforts, improve department’s organization and foster department’s external projection.

Geomatic Science Department 2009-14 Objectives
1. Improvement and extension of teaching
2. Support for research activities to increase quality levels.
3. Improve internal organization of the Department.
4. Development Department outreach.

The Geomatic Science Department 2009-14 Objectives are aligned with the six Institutional Goals established for the term 2010-15 and with all the Key Institutional Objectives for the 2013-2014 period. The Institutional Goals for 2010-2015, as well as the Key Institutional Objectives for 2013-2014 are presented below.

Institutional Goals 2010-2015
1. Increase the recruitment of talented and underrepresented students
2. Increase the retention, persistence, and graduation rates of students
3. Improve integration with society
4. Develop organizational structures, processes, and infrastructure to support high quality education
5. Recruit, retain, promote, and compensate faculty members who significantly contribute to the institutional development
6. Encourage and develop graduate and undergraduate research

**Key Institutional Objectives 2013-2014**
1. To fully meet the requirements for reaccreditation
2. To improve the retention and graduation rates
3. To expand the offer of distance learning
4. To expand academic offering through the development and implementation of new academic programs
5. To increase the recruitment of local students and to develop outreach recruitment platforms for international students

**Relationship between Institutional Goals and Institutional Key Objectives**
The following table presents the relationship between the Institutional Key Objectives for 2013-2014 and the goals of the Institutional Strategic Plan for 2010-2015.

<table>
<thead>
<tr>
<th>Institutional Key Objective</th>
<th>Institutional Goals Addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1, 2, 4</td>
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<tr>
<td>2</td>
<td>All</td>
</tr>
<tr>
<td>3</td>
<td>1, 2, 6</td>
</tr>
<tr>
<td>4</td>
<td>1, 3, 4</td>
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<tr>
<td>5</td>
<td>2, 4</td>
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</tbody>
</table>

The Geomatic Science Department Work Plan has been develop on the basis of goals achievement. The activities associated to the plan are directly attached to the Departmental Specific Objectives for 2013-2014. The Department Objectives are aligned to at least one of the Institutional Key Objectives for 2013-2014 addressing at least one of the goals of the Institutional Strategic Plan 2010-2015.
Work Plan 2013-2014
The Annual Work Plan of the Geomatic Science Department is presented in the following table.

<table>
<thead>
<tr>
<th>Key Institutional Objective</th>
<th>Specific Departmental Objectives</th>
<th>Activities Attached to Specific Objectives</th>
<th>Itinerary</th>
<th>Assessment Criteria</th>
<th>Resources and Budget</th>
</tr>
</thead>
</table>
| 1. To fully meet the requirements for reaccreditation | Improve internal organization of the Department. | To obtain ABET's re-accreditation for the Land Surveying and Mapping Program | December 2013 | 1. Continuous Outcomes Assessment Program  
2. Self Study report  
3. Physical facilities | Department Head |
|                             | Improve internal organization of the Department. | Complete authorization procedure of the CEPR to offer the Associate Degree Program in Land Surveying. | November 2013 | 1. Eliminate inconsistencies among ADLS and BSLS common courses  
2. Include ADLS in the GSD web  
3. Review and test Degree Audit system at Registrar's Office | Department Head |
|                             | Improvement and extension of teaching. | To identify causes for departmental courses with a high level of non-passing grades. | Summer 2014 | 1. Historic grade analysis  
2. Student interview  
3. Action Plan | Mentor 6 credits |
| 2. To improve the retention and graduation rates | Improvement and extension of teaching. | To continue the improvement of the assessment processes associated with the teaching/learning dynamics and student outcomes | Summer 2014 | 1. ABET visit results review  
2. Implement Outcomes Assessment Program for MGST.  
3. Develop Outcomes Assessment Program for ADLS | 1. Department Head  
2. Graduate mentor, 6 credits  
3. ADLS mentor, 6 credits |
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<tr>
<td>Support for research activities to increase quality levels.</td>
<td>1. Compile a summary of undergraduate and graduate research projects 2. Promote the exposition of student research in local forums 3. Open undergraduate and graduate research project presentation to general community</td>
<td>SP and Summer 2014</td>
<td>1. Publication on PLURP’s webpage the compilation of student projects abstracts. 2. Select higher quality research projects to be presented in forums such as: PRYSIG, COINAR, etc. 3. Invite industry and general community to our formal internal presentations.</td>
<td>1. Webmaster for web publishing 2. Public relations company support for press releases. 3. Program mentor, 6 credits 4. Budget for refreshments for attendees.</td>
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<tr>
<td>Improvement and extension of teaching</td>
<td>Increase the use of the distance learning platform to offer flexible study alternatives for students.</td>
<td>Summer 2014</td>
<td>10% increase of the Blackboard System</td>
<td>Department Head</td>
<td></td>
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<tr>
<td>3. To expand the offer of distance learning</td>
<td></td>
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<td>4. To expand academic offering through the development and implementation of new academic programs</td>
<td>Development Department outreach.</td>
<td>1. Strengthen the MGST Program 2. MGST quality assessment 3. Complete the implementation stage of the ADLS</td>
<td>Summer 2014</td>
<td>1. Continue increasing the number of enrolled students in the MGST. 2. Analyze the results of the Exit interview of MGST first class. 3. Enroll the first group for the ADLS</td>
<td>1. Department Head 2. Graduate mentor, 6 credits 3. ADLS mentor, 6 credits</td>
</tr>
<tr>
<td>5. To increase the recruitment of local students and to develop outreach recruitment platforms for international students</td>
<td>Development Department outreach.</td>
<td>Provide orientation on careers in surveying to teachers, counselors, directors and high school students.</td>
<td>Every trimester</td>
<td>1. Memorandum of Collaboration with Representatives Urwayan Hernandez and June Rivera. 2. Meeting with officials of 50% of schools in their districts 3. Assessment of pilot curriculum on math exercises applied to surveying problems.</td>
<td>1. Department Head 2. ADLS Mentor, 6 credits, 3. Institutional Support for transportation</td>
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<td>Development Department outreach.</td>
<td>Collaboration with International Institutions</td>
<td>At least once a year.</td>
<td>1. Research papers jury. 2. Editorial boards. 3. Lecturer</td>
<td>1. Department head 2. Graduate Mentor, 6 credits</td>
</tr>
</tbody>
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