

Palm Beach State College

Business Partnership Council Meeting Minutes Environmental Science Technology

May 30, 2013

10:00 am

BB Building Conference Room, BB 309

ITEM 1: Introductions

Professor Jessica Miles welcomed all committee members. Self introductions and a brief description of each member's organization were given.

ITEM 2: Previous Meeting Goal #1

Professor Miles discussed the following with Business Partnership Council members: Goal #1 – The establishment of an internship packet specifically for existing and potential partners that outlines the class expectations, student skill sets, liability coverage, and internship timeframes. Professor Miles indicated that internships are typically completed in the spring semester; however students may do them during other semesters to accommodate the student's graduation. All students are required to do project presentations regardless of semester.

Professor Miles stated that Goal #1 was accomplished and the packet had been sent out to all Business Partnership Council members along with our student accident coverage summary and certificate information.

Data Source: Internship Packet

ITEM 3: Goal #2 – Professor Miles asked each partner to share their perspective on how technology has changed their area/field/company and how it is anticipated to change in the future;

Scott Tedford, Jonathan Dickinson State Park – GPS is used for monitoring along with GIS mapping. ARC GIS10 software is used by the Park Service along with Garmin GPS units. LiDAR surveying is being used in the park by FAU researchers. Garmin GPS units are also being used by park staff. The Education Center is using Lygodium imaging with PR Photoshop for movie editing. Video could be a choice for park presentations versus Power Point. The park also uses laser range finders and game cameras.

Lorene Bachman, Loxahatchee River District – the District has several projects, including water quality, gathering chemical data, an on-line database used for archival purposes and record tracking as a Certified Laboratory. Excel is the main software used for record and data keeping. ARC10 and Trimble Data Log are also used by the District. Important technical skills include; videography, photography and writing are useful for sharing and reporting the history of the Loxahatchee River and various District projects with the general public. Additional technical items include; YSI Hydrolab and Hydrotech.

Andrew Nixon, Ardaman and Associates – we use YSI, Turbidity meters, soil sampling, PID and Hydrogen OVA Petroleum sampling equipment. PID is easier to use and is DEP approved. YSI SOP is used for groundwater sampling log. Microsoft Excel and Auto Cad are both used by the company. Also, organic vapor screening sampling is done by the company. Professor Miles indicated this may be something to incorporate into the Hazardous Materials course.

Scott Zednek, Tierra Consulting – SFWMD is going to ArcGIS10. Engineering firms are using CAD, and CAD files can be imported into ArcGIS. An intro to CAD course may be beneficial. Microsoft excel is the standard software used for record keeping. Equipment being used by the firm includes; Infrared cameras, used for temperature diagnostics, YSI, Horiba and Lamotte for water and air flow sampling. ModFlow software used for groundwater flow and Google Earth PRO (GIS Cloud) is also being used. Also discussed was elevation surveying for use in monitoring sea level change impacts/assessments.

Item 4: Questions/Other

Professor Miles shared with the group the proposed Sampling Pier that will allow students to take samples from the pond adjacent to the Bioscience building and told the council members of the plans for summer 2014 semester Tropical Ecology course with trip to Costa Rica. She encouraged members to share the course information with coworkers. Professor Miles discussed job prospecting and indicated the importance of students networking with various groups, and that the internship course focused on resume writing, and using the Employment Handbook information. An additional job skill set mentioned by council members was recruitment, management, outreach and orientation of volunteers. Many parks and other agencies are using more volunteer staff. It was also mentioned that the United Way had an excellent volunteer leadership program.

Professor Miles thanked the members for sharing their technology and equipment requirements and mentioned that two program interns had been hired, one at Jonathan Dickinson State Park and one at Ardaman and Associates.

Item 5: Adjourn

The meeting was adjourned at 11:00 am.

Attendance: Mr. Scott Tedford Ms. Lorene Bachman Mr. Andrew Nixon Mr. Scott Zednek
Dr. Robert Van Der Velde Prof. Jessica Miles, Chair

Submitted by: Jessica Miles, Department Chair

Patricia Castro, Scribe