St. Petersburg College
Clearwater Campus

Department of Engineering Technology and Building Arts
Advisory Committee Meeting

Wednesday, April 13, 2011

Summary

Members Present: **Deb Ashman-Jaramillo, Bob Hudson, Tina Brudnicki, Greg Seay, Marcus Heiler, Don Houdek, Bill Venz, Jay Margolis, and Brad Jenkins.**

Members Excused: **Mark Snyder, Dan Bloom, Matt Smith, David Reese, Roger Harvey, Ken Conforti, Joe DiPasqua, Clint Mells, Steve Askew, Bill Erdmann, Lou Grilli, Randy Swanson, Ed Homan, John DeBella, Keith Matthews, Rodney Fischer, Johnny Moore, Ned Stacy, Frank Cain, Bill Erdmann, and Lisa Maciolek.**

Brad Jenkins welcomed the advisory members to the fall meeting and a tour was conducted of the Electronics Lab and Rapid Prototyping area emphasizing the new equipment that the Perkins Funds provided with the advisory committee approvals this past year. The equipment purchased included the Agilent 200MHz Digital Storage Oscilloscopes (DSOs), the 25 MHz function generators, and the 50 MHz Pulse generators. The Rapid Prototyping area is now home to the new U-print 3-D printer and the Roland CNC machine. Both instruments are used with the Solidworks design and modeling courses.

Brad provided the enrollment update from this spring 2011 year, in which the enrollment is up about 15% in Engineering Technology and about 26% in Building Arts, as compared to the spring session in 2010.

The committee received the information on the May 2011 graduates, as of May 13. (the complete listing of graduates for the session is now included with this summary)

The committee received an update on the action items from the November 10, 2010 meeting and the only items that are still open are the survey questionnaires for alternative energy and

nanotechnology along with the update for the ET and BA department web pages. The committee also received the update on the purchase of the church property and building to the west of the campus that has been allocated for the Collaborative Center of Emerging Technologies that will have all the Engineering Technology laboratories and equipment in a factory/manufacturing layout. The plans are being finalized now for the layout of test benches and equipment in an open 3000 square foot area. This area will house the electronics lab, rapid prototyping area, metrology, inspection, alternative energy, and the new nanotechnology lab. The advisory committee will receive the updates and layouts for the center. Brad also mentioned that he will be looking to have some donated industrial equipment to the Center and will be contacting his industrial partners this summer.

In regards to the curriculum offerings, changes in both the Aviation Maintenance Management AS degree and the Computer Aided Design Certificate were approved by the members of the advisory committee. The new college certificate, Rapid Prototyping and Design is the first of this type in the state and was also approved by the committee. The certificate will be effective for January 2012. The committee was provided additional information on these curriculum proposals that will be considered by the Curriculum & Instruction Committee.

The committee gave approval to the purchase, using the Perkins Funds, of three new Agilent DSO's and function generators that will now complete the electronics laboratory for 12 complete workstations.

In updating the curriculum proposals developed and approved from last year, the new courses, Solidworks Simulation Design Analysis and the Advanced Architectural Revit course, were offered for the first time this spring session 2011.

In regards to the new Nanotechnogy opportunities with the University of South Florida (USF), the State College of Florida, Manatee-Sarasota, and Hillsborough Community College, Brad Jenkins will attend the first Micro-Nanotechnology Conference in Albuquerque, New Mexico in May. This collaboration with the other institutes is in the developmental stages and this conference will provide information involving curriculum, equipment, and industry relationships.

The FLATE activities from this spring include the Engineering Technology Summer Institute on Rapid Prototyping and Design. This three day workshop begins June 13, here in our Rapid Prototyping lab, and will be open to community college instructors and high school teachers that want to use Solidworks and develop 3-D printing capabilities. (Note that at the last meeting Bill Venz made a suggestion to look into the possibility of offering a summer camp utilizing Solidworks and Rapid Prototyping for high school students)

The analysis and results from the Manufacturing Related Certificates was presented to the committee members. The committee had reviewed and submitted their results last year indicating the most recognized industry certificates that they felt were of value in industry.

The grant opportunities and updates, included an NSF National Center Grant partnership with Rochester Institute of Technology to offer curriculum and special education for the deaf and hearing impaired students and graduates of Engineering Technology programs through the

DeafTEC proposal. There has been no word yet on the status of that grant proposal. The college is also the primary lead on the National Science Foundation (NSF) National Center Grant for Medical Devices. That proposal will be submitted before October 20 with several other partner colleges partnering on this grant proposal with SPC.

In student updates, the awards for the Outstanding Student in Engineering Technology went to Adam Kennedy; the Architecture Design Award to Chris Galbraith; and the Gargoyle Architecture Honor Society Academic Achievement Award to Jesse Eliassen. These students will be recognized at the April 27 Awards Ceremony here at the Clearwater Campus.
The action items of this meeting included:

1. Brad Jenkins will provide the updates concerning the Collaborative Center for Emerging Technologies.

2. Brad Jenkins will send the list of the graduate data and enrollment to all advisory members, in order to provide that information to the members that did not attend this meeting.

3. Brad will be contacting industry this summer to obtain donated industrial equipment.

The meeting was adjourned at 6:45 p.m.

The next meeting will be in October, 2011, at the Epicenter that will include a College-wide dinner meeting. The agenda will be sent out prior to the meeting.

Respectfully submitted,

Bradley E. Jenkins
Secretary