



## Architecture, Civil, Engineering

### Design Drafting-CAD

Advisory Committee Meeting

Friday, March 18, 2016

Rio Hondo College

8:30 - 10:30 a.m.

S309

#### **Attending:**

Jay Sunyogh, Gary Halvorson, Paul Robich, Sean Hughes, Tom Lazear, Maria Juarez, Joshua Nelson, Fred Ortiz, John Cina, Dave Martin, Angie Saldivar, Ricardo Alvarez, Chu Man Kow, Ed Capalaran, Robert Poplar, Christina Johnson, Warren Roberts, Nabil Zaki, George Euan

#### **Call To Order**

Tom Lazear chaired the committee and welcomed everyone and thanked them for coming. He passed out the minutes from the previous meeting for review. There were introductions around the room.

The minutes from the last meeting were reviewed. Following the review of the minutes there was a correction to Maria's last name being changed from Jimenez to Juarez. Joshua Nelson moved to accept the minutes with the correction of Maria's last name, Caesar Hernandez 2<sup>nd</sup> the motion and a vote was taken and the motion was passed unanimously.

Jay reviewed for the group some of the items in the minutes from the last meeting that have been accomplished. The air in T102 is being worked on by an engineer based on the committee's recommendations. We are in the process of hiring a full time general drafting instructor as recommended. Dual enrollment is going strong and we are even talking to California High School and Downey High School. He mentioned how strong our internships are but there is always room for more.

#### **Purpose and Goal:**

The purpose and goal of an advisory committee was explained in that it was necessary to get information from industry as to their needs for future employees. Industry committee members were encouraged to provide the department with information and trends to update the program so that the faculty can garner funds through the Perkins grant based on their recommendation. These monies offset cost in software, training, and conferences.

## Update of Program:

### A. Department Improvements:

Sean and Gary spoke of the improvements from the last meeting that have occurred. The receipt of new student chairs, a new large format copier/scanner, and overhead cameras in the drawing classrooms are really helpful. The software for classroom instruction has been acquired, installed, and in use. Caesar talked about the development of cloud computing to reduce/eliminate the need for individual workstations at each seat and allow remote access to our software by the students.

Gary announced that the Civil degree has been broken down into areas of interest and been approved by the state. He also stated that efforts are being made with the new Landscape Architecture courses and degree; are that articulation with Cal Poly is a large component of the new degree. Cal Poly is inundated with students; they have offered to partner with us so we can help them with the lower division while they teach the upper division. He also announced that a new engineering degree was approved by the college. Program faculty members have worked with the math and science division regarding this degree. There are drafting classes in the degree as required electives.

Sean explained that a lot of our students end up getting jobs before they complete their degree or certificate and stop coming to school. We have found many who have completed the courses necessary for a certificate but have neglected to apply for it. We are helping these students get what they have earned.

Gary told the group about the open house that was recently held on campus. We had a great turn out of students and parents. This was the 2<sup>nd</sup> year that it was held on a Saturday so students and their parents could attend and see what we have to offer.

### B. Staff/Department Development:

Sean announced that we are in the process of hiring a new full time faculty member in the general area of drafting. The process will be complete soon and they will begin teaching in Fall 2016.

Sean told the group that he attended the CTE conference and Ruben Agus attended the Autodesk University to learn all the new updates.

The department went through Program review this year and they were commended for their preparation, presentation and continued development. Sean thanked the committee and told them they play an important role in this process.

Sean informed everyone that as mentioned we are currently developing a landscape architecture degree aligning it with Cal Poly for transfer.

### **C. Enrollment Trends & Academic Endeavors:**

Jay stated that enrollment is down campus wide. Gary said the economy is up and when that happens enrollment goes down because people are working.

Sean stated that we are continuing to offer a winter session course and coordinating our courses with general education skills through Learning Communities tying Architecture with Art and Speech. We are continuing our articulation with local high schools and we are now offering our college courses on the high school campus through dual enrollment.

### **D. Job Placement & Internships:**

Sean stated that they are having continued success placing students in jobs, however, tracking them can be difficult without feedback. Jay asked everyone to please report back to us if you have any Rio Hondo students working for you.

Sean explained that students can receive academic credit for internships if it is arranged around the semester dates. Gary said this is a great way to test drive an employee.

### **F. Program Needs: Immediate and Future:**

1. Sean explained that additional work is needed for the development of the construction engineering degree for transfer to Cal State Long Beach where we will need additional curriculum written and potential support beyond existing efforts may be required. Joshua Nelson made a motion to spend \$2,000.00 to write the curriculum needed. Fred Ortiz 2<sup>nd</sup>. The vote was unanimous. Sean also explained that updates and revisions are required for reworking existing classes to better align with the local universities. We are also working on the packaging of specific courses to mark achievement in desired skillsets.

2. Sean explained that the department is in need of hardware to aid in its growth. Gary explained that the department is in need of a laptop computer to perform beta testing on the cloud system. There is also a need for (2) computer servers with operating system software for our local network. An Apple (Mac) workstation is needed to support integration and compatibility of CAD/GIS software for student users who have Macs. The department also needs (3) computer servers to provide added capacity for our cloud computing initiative. With the cloud initiative the need for (2) network storage devices is also needed. Nabil Zaki moved to purchase hardware to support the program needs. George Euan 2<sup>nd</sup>. The vote was unanimous.

Dave Martin advised the group that the mice in S305 needed to be replaced. He moved for the replacement of the mice. John Cina 2<sup>nd</sup>. The vote was unanimous.

3. Sean discussed the need of 50 licenses for the cloud for individual student use of cloud computing initiative. Dave Martin moved to purchase the 50 licenses. Maria Juarez 2<sup>nd</sup>. The vote was unanimous.

4. Sean stated that there is a need to continue to have funds for continuing faculty and staff training and development to keep the program in line with current software. Fred Ortiz moved to continue to have funds for training and development. George Euan 2<sup>nd</sup>. The vote was unanimous.

5. Sean told the group that field trips are taken as part of the Learning Community sections and funds are needed to continue having them. George Euan move to continue to have funds available for field trips. Dave Martin 2<sup>nd</sup>. The vote was unanimous.

6. Sean sought the group's advice regarding advertising. He wanted to know what their thoughts were regarding radio spots, internet ads and pamphlets/brochures. Dave Martin discussed his success with Google ads. He stated that it cost about 4 cents a click and ends up being about \$50 a month. Joshua Nelson believes we would reach more with Facebook, Instagram and Pandora. Gary mentioned that Claudia Romo is already placing videos on YouTube. Dave Martin moved to set funds aside for advertising. Robert Poplar 2<sup>nd</sup>. The vote was unanimous.

### III. Industry Input: Assessment and Recommendations:

It was requested that every member give input concerning what the program needs or what is needed by the industry from Rio Hondo College graduates. Here is a summary of what was said:

- AS Degree very important. You get a much more rounded employee, a better communicator.
- Running Prints
- Sketch by hand
- Know any CAD
- Read Drawings
- Introduction to terminology
- Red lines, standards
- Basic modeling
- Modify BDMs
- Caliper/Ruler proper measurement
- Trig
- Drone surveying needed to collect data, terrestrial surveying
- Office software, outlook, excel, word

Nabil Zaki would like the department look into expanding 3D modeling and consider purchasing a second machine.

Meeting adjourned at 10:30 am.