



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 2nd 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 2nd 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 2nd. 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 2nd. 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 2nd. 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 2nd. 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 2nd. 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 2nd. 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 2nd. 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.



DRAFTING TECHNOLOGY

Advisory Committee Meeting

Friday, April 9, 2017

9:00 - 11:00 a.m.

S309

Attending:

Gary Halvorson, Carl Walls, Ken Hesse, Mike Lancy, Paul Ramirez, Alfredo Lopez, Tom Lazear, Paul Robich, Chu Man Kow, Javier Bautista, Joshua Nelson, Rupa Purasinghe, Nabil Zaki, Sean Hughes, Farrah Nakatani, Ruben Agus, Mike Slavich

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 distributed for review and accepted. Carl Walls moved to accept the minutes as read and Gary Halvorson 2nd. Motion was passed unanimously.

Purpose and Goal:

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

Update of Program:

A. Department Improvements:

The members were briefed on the new software updates and the development of the cloud computing initiative to reduce/eliminate the need for individual "full" stations at each seat. This will also allow students/staff and faculty to access it from on or off campus. Sean

Hughes moved to have funds dedicated to purchase software for the ongoing development of the cloud initiative. Joshua Nelson 2nd. A vote was taken and it was unanimous.

Gary Halvorson informed the group about expanding the 3D printing capabilities. He stated that the machines have gotten less expensive and better. The technology continues to improve. Gary explained the need for a newer 3D printer with having the current printer as a secondary unit. Having two printers will provide better student access to the technology. Paul Ramirez moved that funds be expended for a new 3D system. Mike Lancy 2nd. A vote was taken and it was unanimous.

B. Staff/Department Development:

Gary Halvorson announced the absence of Jay Sunyogh as he retired but sends his best regards to all. He also stated that once enrollment increases they will be hiring another full time instructor to replace Jay.

Sean listed several professional development opportunities for the upcoming year. In the past these have been funded by the Perkins IV grant. Nabil Zaki moved to request funds from the grant to provide the necessary professional development for faculty and staff. Paul Ramirez 2nd. A vote was taken and it was unanimous.

Degrees and certificates were the next topic of discussion. Sean announced the creation of CIV 210, Introduction to Concrete which was sent to the CSU's for articulation. The creation of this and other classes are in preparation for a degree in Construction Engineering Management which will take time and money to complete. Carl Walls moved to fund the creation of the new degree by the end of next year. Alfredo Lopez 2nd. A vote was taken and it was unanimous. Additional discussion by Sean and Gary informed the group of the current efforts to update the ARCH 095 & CIV 140 courses as well as the creation of a certificate for completers of the Department Core Classes.

Mike Slavich announced a committee being put together by the State, AS-T for Civil Engineering, that will work to package courses for transfer that will be course to course. He believes Sean Hughes would be a good candidate for chair. Carl Walls moved to nominate Sean Hughes for chair

of this committee. Chu Man Kow 2nd. A vote was taken and it was unanimous.

Sean Hughes asked the group what accreditation entities they felt would promote the program. He mentioned ATMAE and ADDA. Significant discussion by many attendees followed with indication by Rupa Purasinghe that ATMAE is well-recognized at the university level. It was discussed that ADDA may be better known within the industry. Tom Lazear suggested that student chapters of professional organizations such as AIA, ASCE, or similar may be preferable to accreditation for our students. Tom Lazear then moved that research be done on the various entities discussed to determine which will best promote and improve credibility for the department and that funds be used to accomplish this goal. Javier Bautista 2nd the motion. A vote was taken and it was unanimous.

C. Enrollment & Academic Endeavors:

Gary told the group that they have been reaching out to the community through ads and social media in order to recruit students into the program. They have also expanded the offerings in the high schools teaching courses in Montebello, Mark Keppel, Cal High, and Gabrielino High.

Sean stated that they are trying to mix up the schedule to help the students. Gary added that they are moving forward with the program now that Jay has retired. They want to put a face to each program. Gary with ARCH, Sean with Civil, and Farrah with Mechanical. Carl recommended that posters be made to represent each area with a picture of the appropriate instructor so the students know who to talk to.

D. Job Placement and Internships:

Sean mentioned that although we offer academic credit for internships he is finding that the students aren't really interested. But, he added, please continue to inform us if industry is interested in offering them.

Gary announced that there are plenty of jobs out there but the students do not pursue them. What can we do to get the students motivated to

apply for these positions? Tom Lazear stated that you can't change the culture of today's youth. Chu Man Kow asked if the college has a resume/interview program? Gary said yes, we have a career center for that and in class we help them build their portfolio.

E. Recruitment Activities:

Sean announced that the Bentley Bash was a great success and is looking forward to next year's event.

He also mentioned that our open house was a great success as well.

Through Strong Workforce funds we have the ability to conduct seminars such as a demonstration in surveying. The group was asked to consider offering additional ideas or suggestions.

The recommendation to go after the incumbent worker as a potential student was shared and Carl Walls informed the group about non-credit courses they could take for free.

Javier Bautista suggested offering courses on-sites for employees. Gary told him that Warren Roberts is doing that now with the county of LA Public Works and that it was possible to do.

Meeting adjourned at 11:06 am.