

Spring 2014 Construction Management Technology Advisory Committee Meeting Minutes

Chairperson: Mr. Carl Roegner
Meeting date: April 4, 2014
Meeting time: 1:30 p.m.
Meeting place: STEC 1111
Recorder: Russell Miller
Previous meeting: April 19, 2013

Attendees: Name and Title

Members present: 13
Guests: 2

- **James Howard**, Architect, Radio Shack
- **Bob Benda**, President Westwood Contractors
- **Russell A. Miller**, TCC/ACMS Member
- **Dr. Orlando Bagcal**, Tarrant County College
- **Chris Campbell**, TCC Construction Services
- **Jon Samson**, NAHB/GFWHBA
- **Carl Roegner**, Retired/ ACCE Member
- **Emmanuel Nieto**, City of Fort Worth Inspector
- **Dr. Mary Ramirez**, Dean, Business and Technology
- **Nick Spenser**, P.E. -DOT
- **Randy Graham**, TCC Construction Services
- **Frank Kessler**, Architect/Adjunct Professor
- **Jared George**, Pavement Services
- **Paula Hunter-Perkins**, VP of HR, D.R. Horton
- **Rob Davis**, Director of Operations, Windsor Homes

Meeting Minutes

Agenda Item	Action Discussion Information	Responsibility
<p>Call to Order:</p> <p>Introductions:</p>	<p>Mr. Carl Roegner</p> <p>All committee members, Tarrant County College faculty, and guests introduced themselves to the group.</p>	<p>Orlando Bagcal/ Carl Roegner</p>
<p>Past Minutes</p>	<p>Minutes were reviewed and approved.</p>	<p>Carl Roegner Committee Members</p>

<ul style="list-style-type: none"> Meeting Discussions: <p>Advisory Committee Structure update</p>	<p>Program Updates:</p> <p>Notified everyone that Mr. Roegner is acting Interim Chair for the Advisory Committee because, unfortunately Tim Argo the incumbent Chair had passed away only weeks earlier after a long fight against cancer. Carl described Tim's passion for the construction management program at TCC and a moment of silence was held in honor of Tim Argo.</p> <p>Carl reiterated the importance of Advisory Committee to the success of the program</p>	<p>Carl Roegner</p>
<p>State of the Program</p>	<p>Orlando proceeded with his presentation on the overview of the construction management program. He discussed the course offerings/change to the curriculum due to state mandated requirements of 60 SCH to complete an associate degree.</p> <p>Orlando updated the committee on the ACCE accreditation process, and that the final stage of the process is going to be a school visit by the accreditation team. He said that the Self Evaluation Survey documents were submitted last March 20, 2014.</p> <p>Enrollment figures were shared; internship and students hired after interning were shared as well as graduation figures. He also announced that the TCC Construction Management Team won 2nd place at the International Builders' Show in Las Vegas. He mentioned that the ACMS student organization of the program volunteered for</p>	<p>Orlando Bagcal</p>

<p>Questions from Members</p>	<p>the Habitat for Humanity last November and they are going to participate again on April 5, 2014.</p> <p>Bob Benda asked if the program's facilities are up to the standard of the Accreditation Committee or if there is any concern that possibly ACCE could ask. Carl Roegner took point on this question since he has been a member of Accreditation Committees in the past. He said the major concern would not be the facilities but the need for having another full time professor. Orlando is the only full time professor and if something were to happen to him what would be the plan for the program? Orlando said that with the increase in enrollment numbers and with that trend continues, will be a good reason to hire another full time professor once the program reaches a threshold.</p>	<p>Bob Benda Carl Roegner</p> <p>Orlando Bagcal</p>
<p>Discussion Question:</p> <p>What new industry practices do the members see on the horizon and how do we address them in the classroom?</p>	<p>Frank Kessler expressed that he felt there is a need to focus on Green Building and asked why Green Building was no longer a requirement for the degree plan. Orlando explained that to do the new state mandated requirements for total semester hours, we need to condense the curriculum and green building course as a whole was removed from the degree program but is still an offered course. It was discussed that to address green building needs, it will be integrated as topics to courses offered in the program.</p> <p>Frank then offered the idea of an Honor college/AP Classes for the overachieving students to separate them from underperforming students. Orlando said that TCC does offer core curriculum honor college classes (Cornerstone program), but due to the smaller size of enrollment in the construction management program it is not feasible to offer Honor Classes. Mr. Roegner also pointed out that it is not a good idea to separate overachiever students since in the construction industry it is made up of various people from all walks of life, and they work in team and that managers</p>	<p>Frank Kessler</p> <p>Orlando Bagcal</p> <p>Frank Kessler</p> <p>Carl Roegner</p>

<p>What emerging Technology/programs are you encountering out in the industry?</p>	<p>should know and learn how to deal with them.</p> <p>Frank then said he felt there was too much emphasis in blue print reading on construction materials and not enough on print reading. Orlando said that there is a minimum syllabus requirement of the course curriculum and it is the professor's discretion to empathize certain topics. Nick Spencer added that in his courses he puts an emphasis on safety, site foundations, and surveying and sometimes it overlap with Mr. Howard's class Codes and Inspection. They seem to complement each other and reinforce students' understanding of the topic.</p> <p>Emmanuel Nieto added that there is a need to also emphasize in civil plans and how projects interact with utility hook ups.</p> <p>The group brought up Primavera, BIM, Rivet and the need for up to date scheduling software that is connected to a shared database for all parties involved on a project.</p> <p>Orlando explained that due to the cost of licenses it was very expensive to buy full versions of these estimating, and scheduling software programs. The group asked about Student versions and Orlando explained that these versions were limited and did not offer the full function of the programs. Example would be student versions do not allow the user to experience the shared database function.</p> <p>Rob Davis brought up that most software used is very niche and industry specific and varies with each company in their niched industry sector. He mentioned that their company is using BRIX.</p> <p>Bob Benda concurred saying commercial estimating software is completely different to residential. He also added that he would like to see more of an emphasis put on commercial estimating practices.</p> <p>Paula Hunter-Perkins added that D.R. Horton is a large company that they develop and use their own in house software.</p>	<p>Frank Kessler</p> <p>Nick Spencer</p> <p>James Howard</p> <p>Emmanuel Nieto</p> <p>Richard Long Jared George</p> <p>Rob Davis</p> <p>Bob Benda</p> <p>Paula Hunter-Perkins</p> <p>Orlando Bagcal</p>
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<p>What other industry involvement can we have for our students?</p>	<p>Orlando expressed this is why in estimating they teach students to utilize and learn the basics of excel in preparing estimate. However, he also teaches students with WinESTimator and MS Project for scheduling. He cited that most software programs are created and based on excel program with Macros, and programming that have a unique user interface.</p> <p>Randy Graham discussed having students come out on to commercial project visits. Bob Benda concurred and agreed he like this idea likened it to the Habitat for Humanity field trip/learning experience. Orlando expressed that he would like to have more field trips for students and visit big projects, however, he said that there is legal liabilities involve. With habitat the students are volunteers and thus protected with the Samaritans' Act and liable for their own safety to some extent. On a private commercial jobsite though the owner, general contractor, and other parties could be held liable. This is why there has not been much commercial site visit. To make up for this, the program typically participates in Steel Days, seminars and conventions attendance.</p> <p>The guest speaker series was discussed. Orlando mentioned that a superintendent from Linbeck speak with ACMS members. Rob Davis mentioned an alumni outreach as a good avenue. He also felt that there is a need to focus in the program to show students the different niches of the construction industry. To help students decides on the direction and focus that interested them the most. He felt having a diverse group of speakers would be a great way to facilitate that.</p>	<p>Randy Graham</p> <p>Bob Benda</p> <p>Orlando Bagcal</p> <p>Orlando Bagcal</p> <p>Rob Davis</p>
<p>Other Concerns</p>	<p>The Greater Fort Worth Builders Association, Texas Association of Builders, and National Association of Homebuilders are concerned with the rapid rise of open, unfilled construction sector jobs which increased 51% from 95,000 in December of</p>	<p>Jon Samson (Concerns sent through email since he was not able to finish the meeting)</p>

	<p>2012 to 143,000 in December of 2013, according to the BLS Job Openings and Labor Turnover Survey (JOLTS). The rise in the count of open positions thus matches reports of local labor shortages. Adding to our concerns are the high numbers of retirement age professionals in skilled construction sector jobs. Most notably those skilled professionals in plumbing, electrical and mechanical jobs. All of which are vital to our industry in delivering efficient, affordable and diverse housing opportunities for a diverse and growing population.</p>	
<p>Adjournment: Carl Roegner/Orlando Bagcal asked if there were any other questions or input from the committee.</p>	<p>Carl Roegner and Dr. Bagcal thanked the committee member for the continuous support and for sacrificing their time as member of the committee.</p> <p>The meeting was adjourned at 2:45 pm</p>	<p>Carl Roegner Orlando Bagcal</p>
<p>Committee Chair SIGNATURE:</p>	<p>DATE:</p>	<p>NEXT MEETING:</p>

