

**CENTRAL TEXAS COLLEGE
C.A. DRAFTING & DESIGN DEPARTMENT
ADVISORY COMMITTEE MEETING
June 15, 2007**

Members Present

John Alexander
Cindy Bighorse- New member
Roger Chesser
Brian Czajkowski
Phil Marley
Teresa Williams
Colen Wilson

Member Absent

Sherry Witcher-Irvine

Invited Guest

Dana Watson, Dean Instructional and Accreditation Support Services
Angela Reese, Coordinator Recruitment and Retention
Belinda Czajkowski – from Lockheed Martin, Fort Worth, TX, Brian Czajkowski's wife

Mr. Maglietta opened up the meeting and began by introducing Ms. Cindy Bighorse as a new member to the Advisory Committee. Cindy is a graduate of the Drafting program and is employed with Lockheed Martin Aeronautics in Fort Worth as a F-35 Harness Rework Coordinator. He also introduced Dana Watson, the Dean of Instructional and Accreditation Support Services for Central Texas College, and the other invited guest, Angelia Reese, who is with the Community Relations & Marketing Department.

Mr. Maglietta talked about changes in the Drafting & Design Program and explained the reasoning for the changes. During our last meeting we discussed that we were moving Computer-Aided Drafting to the first semester freshman along with Engineering Graphics, and that move is working. We had to make adjustments to our teaching style, but it's working. We are teaching the students the principles of drafting on the board and they are applying them to the computer. We've had to make adjustments on how we present the material for each class. The students get on the computer and learn what they have done in pencil in conventional drafting helps them to solve their problems and see how it works on the computer. I want them to feel, do and touch and then put it on the computer. The computer is nothing more than a high speed drafting machine, very accurate machine. Also, with the change we moved ARCE 1452 Structural Drafting from the second semester Freshman to the first semester Sophomore and moved DFTG 2440 Solid Modeling to the second semester Freshman level because the students have had CAD 1, the first semester and I want them to right away have CAD 2 the second semester.

Another thing that is working well is having ARCE 1452 Structural Drafting along with DFTG 1417 Architectural Drafting-Residential the same semester. Teaching 1452 Structural Drafting and DFTG 2402 Machine Drafting together was difficult, because the students are being taught one style of dimensioning in DFTG 2402 Machine Drafting and another style in ARCE 1452 Structural Drafting. By having ARCE 1452 Structural Drafting and DFTG 1417 Architectural Drafting-Residential during the same semester is complementary because the styles of dimensioning are the same, therefore easier for the student to relate.

I believe I have converted all the changes that were made to the program and now I would like to ask the members if they have any item you would like to discuss or possible changes to be made mind and still use the same software. Teresa Williams that having CAD in two semesters back to back is good. Mr. Maglietta said yes, so the CAD will stay fresh in the students mind and still use the same software. The software changes so fast these days. There's not a whole lot of differences in the upgraded software, but a little change can make a big difference and it becomes a little difficult if you are changing software between semesters. This is our program as of Fall of 2007. Mr. Maglietta asked if there were any comments. Roger Chesses mentioned that he has been so far out of the industry now are they taking advantage of the software on how they design the drafting programs? Are they starting 3 dimensional design? Mr. Maglietta mentioned that that's why he puts Solid Modeling where it is. We have a student that took his 2 dimensional drawings and extruded them into 3 dimensional Solid Models. John Alexander asked that he noticed that Descriptive Geometry is an elective now. Mr. Maglietta mentioned that no, that ENGR 1305 Descriptive Geometry has been changed to ENGR 1305 Engineering Graphics II. The title has been changed, but the contents are the same. We still call Engineering Graphics II, Descriptive Geometry to the students. John mentioned that if we have Structural Drafting, we really need the Descriptive Geometry. Mr. Maglietta mentioned that as long as he is here the program will have Descriptive Geometry in pencil. Roger asked if Topographical Drafting is the same as Civil. Mr. Maglietta said yes and mentioned that Mr. Marley is the teacher of Topographical. Roger also asked who teaches the Piping, Mr. Maglietta said he does. Roger is just concerned who teaches the classes, because of having a shortness of skilled people. Mr. Maglietta agreed. Mr. Brian Czajkowski mentioned that they have opened up an office in Mexico to train people there. John Alexander mentioned that when people get their drafting degree from CTC and get into the profession they soon go up in rank.

Mr. Maglietta mentioned, speaking of line work and lettering, he presented Brian his piping final that he did in 1987 and his Technical Illustration drawing. Mr. Maglietta presented Rogers mechanical project that he did for Final Project that he did on the Cadam software. Roger joked and mentioned that he needs to sign up for another course of Basic Computer-Aided Drafting.

Mr. Maglietta asked if anyone has any ideas of future changes or ideas. John Alexander complimented that we have made many changes through the years and it has become a very good program. Teresa Williams mentioned that she would like to see Technical Writing involved in the program. Mr. Maglietta mentioned that in the Drafting & Design degree plan there is a class called ENGL 1312 Business Writing which will meet the English requirement

for an Associate Degree. But the students do have an option of taking two English classes, ENGL 1301 and 3 hours of Speech. The General Academic Elective could be ENGL 2311 Technical and Business Writing which are transferable credits. We don't have a lot of writing in this program, it's mainly done on the computer. We could do more in that area, it's not impossible. We are not qualified to do evaluation of writing. Mr. Maglietta said that not a lot of his students stay drafters very long. They move up and become supervisors.

Colen Wilson asked Mr. Maglietta about the math. What is this other contemporary math, appose to College Algebra. Mr. Maglietta said that course was added for the technical programs. I recommend to my student to take MATH 1414 Algebra and use the general academic elective for Trigonometry. Maybe take the Contemporary math or the others to work up to Algebra. Mr. Maglietta mentioned that he recommends Descriptive Geometry and Trigonometry, because if you can successfully complete those two class's. You've got it. Mr. Maglietta gave all attendees a copy of the Fall schedule of classes for 2007 if anyone wants to sign up.

Mr. Maglietta thanked everyone for attending to the luncheon and asked that if there is any up dates on their business cards to please give them to Lori. We are having construction work in our classroom 9 and when it's all done I would like to invite you to visit the department.