

CADD/INDS Advisory Committee Minutes—March 27, 2003

Members Present:

Sam Miranda	UNT
Howard McGriff	Committee Chairperson
Larry Holmes	Raytheon
Ben Blair	?
Kenneth McVea	TI
Dick Thedford	Plano ISD
Wayne Jones	CCCCD
Warner Richeson	CCCCD

Warner Richeson, coordinator of the CADD/INDS program, opened the meeting. He discussed the enrollment handout for spring 2003. The numbers fluctuated up and down. The numbers reflected in the column dated January 13, 2003 were the final class sizes. Some classes increased in size, some didn't. Some classes just did not have the minimum numbers required to make a class. There were some classes with low enrollment numbers, but which were necessary for a student(s) to graduate; these classes were allowed to make. The ENGR1304 class meets with DFTG1305, which made the enrollment greater than ten. A few classes still did not have enough strength to survive on their own.

The summer 2003 schedule is also in the handout. Warner asked Wayne Jones if it is correct that Richland College is not offering summer classes. Wayne confirmed it. Warner is hopeful that we may pick up a few students as a result; additionally we have co-op classes for jobs.

Sam Miranda informed Warner that he's sending 5 or 6 INDS students to CCCCCD for the summer. UNT is not opening their lower level INDS classes for the summer, nor is El Centro. Sam is still working on the UNT/CCCCD articulation agreement. UNT is not in WECM and the curriculum needs to be checked per curriculum. Warner said he receives several inquiries from students as to the INDS courses transferring to a four-year college. Sam said yes, for the most part, the courses do transfer but there's a counselor problem. We need to ensure that counselors at both institutions are on the same sheet of music. Need to ensure the students get the correct classes to make the credits transferable. Students talk to CCCCCD counselors and they are not well informed. Need to ensure the counselors are well informed. Wayne inquired how this could be initiated. Warner said it already has been. Sam added that he just needs to meet with the counselors again to ensure all the information is correct so the students can take the concurrent courses as soon as possible. We can share students, just need to have the proper paperwork. He added that El Centro is looking at a Bachelor degree program in INDS; we just need to ensure that everything is transferable. Warner added that Sam's been instrumental in moving forward with these ideas.

Warner went on to give a status report of the Continuing Ed (CE) CADD program. We have had 24-hour classes, which meet three Fridays in a row, 8 hours each class day. We've taught two classes so far, Basic Auto CADD. This Architecture Drafting class, which uses the Archicadd software, is used for Residential design classes has not made yet. These CE classes target those students involved in the business already. There's been a need for the Architecture classes in this area because it is not offered elsewhere. Sam asked who/how we're promoting these classes. Warner responded that the CE department promotes them, plus we've been to the AIA meetings. Sam suggested also approaching the INDS professional group in Dallas. June 1st is the deadline for submission. CEU is just a paperwork issue. Price wise, these classes will present a good opportunity.

Warner continued with the express class schedule on the agenda. We're trying it for the first time this semester. We're doing eight-week classes instead of sixteen weeks. Basic CADD is offered the first 8-week session and Intermediate CADD is offered the second 8-week session. Of course, the classes meet twice as often. It's been his experience that it provides the students the opportunity smooth out problems. They work out the problems before they leave class. Warner's quite excited about the express class experiment. AutoCADD and Residential Architecture are both on an express schedule for the first time this semester. The instructors team-teach the architecture courses.

Dick Thedford informed Warner that Plano Senior High School is newly remodeled. He's certain Dr. Dave would be interested in us holding classes there. For night classes, our students could use a back entrance to the CADD room. Steve Minnerly is the POC; just use Cindy Pearson's name. Sara Watkins is the principal of Plano Senior High School. Warner added that we have great success offering classes at Plano West High School. Dick will see what he can do to help us and get back with Warner.

Warner went on to discuss the Convergence Lab, which is in Heritage Hall and used mainly to address the phone industry, internet, wireless and LAN lines. He was thinking, however of setting up an experiment with the CADD students and the Convergence Lab. The students would transmit drawings from one location to another, redline it, and then send it back. Industry does this a lot. An architectural company could be in California, and the Customer in Texas. Voloview software in the Convergence Lab can do markups but and doesn't change the drawing. Then students can swap roles and prepare a handout, which lays out the plan.

Concurrent courses scheduled for the fall are the first INDS 1301 class and the basic CADDDFTG1309. Drafting classes run concurrent with INDS classes. All projects done are tailored to INDS; in this way the INDS students have assignments in their field. The idea came from the students. Hopefully this will gain more interest.

The integrated circuit program will has the first Integrated Circuit Design class, a basic class, on a Saturday this term. We're fortunate to have an instructor who works in the semiconductor field. We'll have another class developed in the fall. TI has taken notice of our program and expressed an interest. Printed circuit board classes are not doing

well, but we think it's just the industry at the moment. We'll continue to offer the class and see how enrollment goes.

Having completed the items on the agenda, Warner asked Howard McGriff if he had anything to add. He did not. Sam had a question regarding the software in the Convergence Lab, whether it's "Voloview"? Warner said yes; we have the licenses for it. Sam responded that, from an outside point of view, most individuals would not think of taking the class if it's not related to them. That course is good for CE units. Warner clarified that it's just an exercise, not a course; Sam explained that it could be a short CE course. Warner agreed. Sam said the strength of the CADD program here will have to be counted on that because UNT is not doing enough to support the field. UNT doesn't have the facilities by UNT to do some of these classes. Would like to partner with CCCCD. As these skills classes run, it would be perfect for the student. Warner would like to work with Sam and help fill those classes. He suggested the CADD/INDS classes be introduced to Architectural desktop for experience in preparing demonstrations. Sam said they'd be happy to create a program to use with the CCCCD department; for every designer in the field there are three drafters. Larry Holmes said some students in intermediate CADD aren't in INDS. Warner explained that we're just talking about one basic CADD section. Howard McGriff added if the students are not moving forward, then they're not prepared.

Warner informed the group that there would be an Electronics Design Competition on April 26th here at the Preston Ridge Campus. The CADD/INDS students won't be a part of the competition, but will be exhibiting their work. The intermediate class will duplicate the room in solids. Howard McGriff heard we're doing that for all of SCC? Warner clarified that the Architecture class is doing an as built plan of SCC in its entirety. Each class adds to it. The new Provost at SCC felt he didn't have accurate blueprints and asked Warner to help. One team is doing a plan for the columns and the outside; other teams do one wing each.

Sam inquired about the textbook subcommittee. Warner said the textbook subcommittee recommended that we keep using the current textbook. No new material.

Howard recommended that Warner prepare a newsletter to inform the group of changes, etc. Warner agreed. Larry Holmes commented that we need text for customizing; there was a book about that topic, a couple of years ago. The material was good. Can we have a subcommittee for it? He will research the material. Warner also reviewed the Basic CADD book. Howard added that the textbook is good because it can be used for both the basic and intermediate CADD class and it saves the students money.

Warner also informed the group that he has a student assistant and a co-op student working for him. One has taken a project for basic CADD and one is working on intermediate CADD developing drawings, showing step by step, how the exercises should be done.

Kenneth McVea mentioned that he has found a vendor for the 3-D modeling prototype machine. We would need to get a school license for solid view software. There would be a school discount for the software packages. At TI they use it to simulate their models. Warner said that with budget cuts being what they are at CCCCD right now, we probably can't do that right now. Perhaps we can find a donor. Kenneth suggested we could make it optional for the students to have to pay for their own software models. One company said they'd be willing to do it at cost. Larry said even if we get the software, the materials are expensive. Ken agreed, but the company is willing to do it cheap--\$5-\$20, for name recognition. Warner informed the group that Navarro Community College is closing their CADD program. Want to see if we can get their equipment donated to CCCCD.

Next meeting scheduled for Friday, September 29, 2003 at 8:30 a.m. The meeting was adjourned.