

MINUTES

CAD Advisory Committee Meeting

Date | time 1/31/2017 6:00 PM | Meeting called to order by Steve Cromwell

In Attendance

Present:

Rick Bunton—CAD Instructor, Kishwaukee College

Joanne Kanter—Interim Executive Dean of Learning Services, Kishwaukee College

Bill Nicklas—Executive Director, Kishwaukee College Foundation

Brianna Hooker—Administrative Assistant to Instruction, Kishwaukee College, Recorder

Steve Cromwell—Chairman of Committee; Retired Draftsman, Cain Millwork, Inc.

John Moluf—Architectural Draftsman of Facilities, Northern Illinois University

Charles Watson—Project Manager, Cain Millwork, Inc.

Tarryn Thaden—Owner, Tarryn T Design

Kurt Wolter—Tech Teacher, Rochelle Township High School

Alissa Maher—Truss Designer, R & D Thiel

Kenneth Stroud—Engineer, Nippon Sharyo

Absent:

Philip Altice—Tool Designer, Ingersol Cutting Tool

Brittney Schmidt—Kitchen & Bath Designer, Kramers Kitchen and Bath

IDEA Drafting Competition—Rick Bunton

Rick reports that the IDEA Drafting Competition will be held on March 3rd here at the college. If anyone is interested in assisting to judge the competition from 12:30-2pm it would be greatly appreciated, contact Rick. Currently there is no one registered for this site, although Kurt reports he will be registering his students soon.

Solid Professor Interface and Curriculum Packages—Rick Bunton

Thank you to Bill and the Foundation for purchasing 12 licenses for the Solid Professor Learning Management System (LMS). Currently 4 licenses are being utilized by students and students are finding great value in the program. Kurt reports having students working through a trial version and his students are enjoying the program as well. Rick demonstrates the program to the committee.

Rick reports that a Solid Professor LMS license would cost students \$75.00 and is good for a year. It can be used in the classroom as well as at home. Discussion that Solid Professor could be a possible substitute for textbooks because of the depth it provides. Ali feels some textbooks would still be necessary for fundamental concepts and terminology because it doesn't appear that this software covers all of the basics. Tarryn is curious and recommends to investigate further into how this could be introduced as an online learning setting in the future. She recommends finding other school who are utilizing Solid Professor so we could get further curriculum information from them as a starting point to developing curriculum for our school. Rick reports that this LMS should be very compatible to Brightspace, a LMS we use on campus.

Rick seeks committee feedback on how far into these individual programs within Solid Professor should students learn. Committee agrees significant exposure is valuable and should be the primary goal, not necessarily proficiency.

Rick reports that the Inventor program is being utilized by local industry and he is having our students use it as well. Steve expresses importance of college's being on the leading edge of technology but it is difficult to keep up with. Current students are learning the 2016 version. Kurt is curious as to how many versions students have access to and the website has versions every year since 2011. The committee agrees that shows the Inventor program is proficient in staying updated.

John would like a trial version. Rick will follow up with our vendor to obtain a version for John.

Bike Rack Project and Similar Future Projects—Rick Bunton

Rick reports Zachery Caccia, a welding instructor, designed the bike rack using AutoCAD and has asked Rick for "good prints." Rick is having his students "backward engineer" this project.

A similar project Rick is having students work on is creating end-loader buckets needed in welding. There has also been mention of CAD students creating a bridge for the campus and Bill reports possibly having students design a catwalk for a new chiller.

Rick is exploring the idea of changing the consumer design class into an industrial design class.

Tarryn likes that these projects are great because of department collaboration as well as collaboration with local companies because it is very reflective of what happens in the industry.

Current Curriculum Discussion—Rick Bunton

Rick presents a distribution of classes to the committee:

Classes that emphasize drafting standards: 11 Credit Hours

CAD 110/120 (4) CAD 153 (4) CAD 154 (4) CAD 253 (3) CAD 254 (3)

Classes that emphasize specific software: 24 Credit Hours

CAD 112 (3) CAD 151 (3) CAD 152 (3) CAD 171 (3) CAD 172 (3) CAD 221 (3)
CAD 231 (3) CAD 251 (3)

Independent: 3 Credit Hours

Rick seeks committee advisement as to whether the curriculum is weak in drafting.

At first glance, John doesn't think so. However, Rick explained that some of his 2nd year students are not performing basic drafting skills very well. This leads the committee to agree that the curriculum should be more standard-focused rather than AutoCAD focused and that would help with basic standard skill development.

Ali warns against allowing students to get too comfortable using one type of software because software frequently upgrades and changes in the industry.

Steve emphasizes needing a firm foundation in standards so the curriculum should reflect that.

Kurt expresses importance of understanding dimensions before software. He specifically emphasizes sketching in his class and then takes it to the software.

Committee confirms Rick's thoughts on pulling DraftSight out of the curriculum because it is no longer utilized in the industry.

Topics Being Moved to Next Meeting

Item 5: What does a comprehensive Mechanical AAS and/or Certification look like?

Item 6: Introduction of LaCretia Konan—Director of Business and Training Partnerships

Announcements

Tarryn applauded Rick for doing amazing work with the CAD program/curriculum. John feels that Rick is very progressive. Rick would ideally like to see a full time faculty member hired to teach which would allow Rick to hopefully pursue a curriculum design position.

Steve announces his retirement and encourages someone to take the reign for new committee chair person for the next Spring meeting (March 6, 2017).

Next Meeting

3/6/2017 6:00 PM, Kishwaukee College, Room not decided yet.

Meeting Adjourned at 7:10pm.