

Architecture CBF Committee
Official Minutes of Tuesday, February 24, 2009
Minutes Started at 11:09 AM

Attendees: Tiffany Carlson, Cailin Swarm, Nick Pappas, Tom Einspahr, Corey Kawamoto, Isshin Morimoto, Andrew Wright, Derick Lee, Scott McColl

- In long term, more cost efficient to buy plotters
 - Don't know how many people will use them. Might get a bad deal.
- Jim and Mark
 - For fab lab machines: "dumb" card system to charge students
Card with hold punch that TA's punch based on amount of material
To get a magnetic credit card system, \$20,000
This is low tech, but effective and cheap!
- Dimension BST Built-Up deposition
 - 3-D printer
 - needs a computer, but laser cutter, printer computer could work
 - Can use to print a whole building (expensive! Charge by the cubic inch of material- about \$9 per cubic inch) or small pieces of a building
 - Any year could use it, but really limited by the cost of the materials
 - Prints take overnight
 - Work off STL file, digital craft is important of model won't work
- Worry that CBF is being questioned by the student body- is this the right time?
 - May need to work with student culture to get digital mindset first
 - Exposure!
 - Diversity among faculty
When student body isn't aware of what they could, don't want, won't use
However, would be easily integrated into several studios.
- Lasercutters
 - 1.) Model we already have (old version) Universal X-660
 - 2.) New Model, new printer driver
Universal VLS-6.60
Cheaper and better- estimates print time
Only small problem to have new print driver
 - Maintenance- new model would be easier to maintain
 - Better to buy old model so they have the same parts?
Not a big issue
 - 30: x 18" beds- larger doubles price of machine!
- Computer
 - Need a dell for the lasercutter

- Re-imaging 308
 - They take hard drive and copy to computers, could upgrade programs at the same time.
 - Rhinocam (5 seats) \$600
 - Could use in Arch 160
 - Rendering plug-ins
 - Flamingo, Penguin, Bongo
 - Could get any or all of them- a good deal to do the package
 - Flamingo- rendering tool
 - Penguin- Non-photo rendering
 - Bongo- animation tool
 - Autodesk software request
 - In mac lab- already there! Boot up in windows (hold option) Maybe a sign is needed?
- Remote Access
 - Used to have it, but get Autodesk for free now
 - To re-set up remote access server we would need to work with university
 - This means it may be impossible
- Tutorial for using software
 - Maybe create one online?
- Digital Fab Lab Manager
 - Still need one!
- Sheathing for CNC Router?
 - Plywood, metal, etc
 - Need to protect it!
 - However, tech visited recently, and said space was perfect- vent and temp, low humidity
 - Not too big of a problem then
- Big Picture stuff
 - Furniture for galleries
 - Design-Build seminar
 - USE for CNC Router to advertise department and itself
 - Equipment for fishbowl room to do software training
 - Computer, projection, lighting, etc
- Plotters
 - Quarter-long demo trial?
 - Test what would be most cost beneficial
 - Get demo plotter right away
 - Over one month, get max usage
 - Faculty questionnaire
 - See if plotter/scanner would be incorporated into the curriculum

- Other departments- talk to them
Hidden costs of owning?
- VOTE: Free up \$325 for a test run of the plotter over dead week? 9 – 0 YES

Meeting adjourned at 12:06 PM