No Labs, No Robots, No CNC Machines
Pivot to Online Learning
Chat Discussion
March 13th, 2020

Marci Uihlein : Documents we would like everyone to fill out. Spreadsheet with your contact information for future communications
https://docs.google.com/spreadsheets/d/1su-WJbIdepHmrpNLQEeldA42-BIGYnsS7RO2Wunda4Q/edit?usp=sharing
and a document for questions and ideas we can pass to ACSA
https://docs.google.com/document/d/11mTbk-JKggcGqp9Oxgywkc_a6pFQQU3IxhsJufGR_VU/edit?usp=sharing

NJ Unaka : I am teaching a core and an elective.

Andy Thomson (Canada) : There are a couple of us here from a regulator (the Ontario Association of Architects)

Branden Schwab | Drury HSA : Q2: 1st year studio, hand drafting techniques, web based portfolio

lfitz : We are planning to use MS Teams.

acschultz : Wentworth is still on Spring break-planning meetings for next week (online and in person). As a program that is typically not online-the LMS is not quite equipped to do. It efficiently.

Marci Uihlein : speak, please

steven turnipseed : SIU Teaches

Kristina Yu : University of New Mexico is also closed for the next 3 weeks and we are going online. we have had the first ZOOM studio class. It went well! :)

Mark Cabrinha : Thank you for the positivity Kristina! Cal Poly is a few weeks behind you.

Julie Chen, University of Hartford : University of Hartford closed today. Spring break is starting and is extended another week. The Department of Architecture is planning a workshop at the department level, but our greater college is also planning workshops.

NJ Unaka : Also to Kwesi's point, what about the impromptu interactions between students?

Julie Chen, University of Hartford : We're hoping over the extended break, faculty will be mostly prepared.

Hyacinth : I teach Arch Master's thesis studio. My concern is about holding the remaining scheduled reviews. Also, maintaining the 'studio' environment for my students.

Andrzej Zarzycki : we will touch on student interactions later in this presentation

steven turnipseed : Southern Illinois teaches MArch on line - thought it would be a disaster, but it actually works well! D2L transitioning to Zoom….Design studio meets together in St Louis 2x a semester in a studio….so we are OK with upper level classes….

Julie Chen, University of Hartford : This is a communication we received from our University.

Thomas Barrie : AT NC State we have been directed to teach all courses remotely for the rest of the semester. I plan to teach studio remotely using Zoom, for group meetings and individual crits. I also plan to use the **sketch function in Google Docs** to be able to interact with students in realtime. I would like to hear from others that have done, or are considering, doing the same.

steven turnipseed : I personally most concerned about a woods class that has small workshop-based projects w/ cnc piece…

Hyacinth : I am a faculty member at the Boston Architectural College. **Is there an effective platform for holding paneled reviews?**

mo : **For those on the quarter system how did you handle final reviews?**

SAMIA : This is Samia Kirchner from Morgan State. I am teaching three sections of History of the Built Environment and a seminar course on Design and Behavior.

Rachel Schade : Does Google Docs allow you to sketch over a pdf?

Azadeh Sawyer : Azadeh Sawyer from Carnegie Mellon U, **We are using Miro** which works great.

Patrick Harrop : I have something of a zoom hack

acschultz : **"Conceptboard" sounds like works in a similar way**. (Researching/testing options)

kdaniels : For Carnegie Mellon (Mary-Lou Arscott) what is the name of the software you were mentioning?

Julie Chen, University of Hartford : We were also talking about using document camera (type of webcam).

Eddy Man Kim : **Miro.com**

Eddy Man Kim : @kdaniels

kdaniels : Thank you!

carmen trudell : @Julie Chen. **I regularly use an IPEVO document camera**. I use this in my activity classes so that I can draw on paper and project to the screen. This model has a really simple software interface and you can record and do some editing in the software.

Andy Thomson (Canada) : @Patrick Harrop, we've offered studio and shop space from our private office location to one of your thesis students that is joining us as an intern ;)

Andy Thomson (Canada) : (Barrie Ontario)

Julie Chen, University of Hartford : @carmen, I use the same!

Hyacinth : Yes, it is important to be able to maintain instantaneous interaction/dialogue once transitioned.

Patrick Harrop : that's fantastic Andy, we really appreciate it!

Kristina Yu : Document camera? What is it called again Carmen?

steven turnipseed : Cool Julie! I sketch on paper & hold it up to the camera!!

patriciamorgado : **I also use a document camera for drawing. I use an Elmo doc camera and upload videos later.**

Rachel Schade : What model IPEVO are you using, Carmen?

Branden Schwab | Drury HSA : Interested in document cameras! Often markup screenshots for precedent studies, redlining student work, etc., time consuming…

carmen trudell : https://www.ipevo.com/products

Julie Chen, University of Hartford: **https://www.ipevo.com/products/v4k**

carmen trudell : I have used both the $99 version, and the wireless $299 version. Both are very good.

Branden Schwab | Drury HSA : yes, Andrzej, Daniels! just need a gimble, or tri-pod mount…

Julie Chen, University of Hartford : I plan on having my students use their cellphones to upload their sketches.

Branden Schwab | Drury HSA : *gimbal

Kyle Tornow : **Has anyone considered using Bluebeam Session for interactive discussion and comment review of student work**? This is an industry software application thus also a good introduction to it for students.

patriciamorgado : **ELMO MX-P Visual Presenter**
Here is the link to the camera I use

Kevin Smith : Adobe Scan is a bit fickle, but functions nicely. Though I've never tried large format scanning with it.

David Amundson : Are there any shop managers on this call? **Wondering what other shops at schools of architecture / design are doing to stay relevant in this new weird age of a campus with no students on it.** We are starting discussions here on continuing to 3D print and laser cut for students who send in files (using the USPS for delivery), but that is about as far as the thinking has gone. Our shut-down was announced just yesterday.

Julie Chen, University of Hartford : Shop manager here!

kdaniels : We are wondering the same thing.

Aidan Ackerman : I teach fabrication...I offered my students the option of having them submit models and shop TA's fabricate and photograph for them. I thought it would be a good chance for students to think more thoroughly about assembly. They weren't interested in this option though, they said the trial and error on the machines is what they wanted to learn

NJ Unaka : I have a materials research course in which each student is working on something completely different. I'm not panicking… yet.

Leighton Beaman : How can fabrication-focused studios work without fabrication?

David Amundson : My shop safety class is pretty much toast. My furniture design / build class is a point of negotiation right now.

Julie Chen, University of Hartford : I'm teaching a model building class this semester!

Rusty Smith : **I too am interested to learn how design build programs are addressing the move to remote/virtual teaching and learning?**

Leighton Beaman : **At UVA we export and send 3D prints remotely, but this is not the same as fabrication, or materials understanding**.

acschultz : I used to teach there...

edapont : We are in the middle of D/B of a small kiosk, the design was just approved. Thinking we will focus on building scale models of iterative ideas for connections; making the specs and CD's more robust so the structure can be built in the fall. Looking for other ideas though, especially for the seniors.

NJ Unaka : Yes.

Steve Schreiber : UMass Amherst just announced that all staff must work remotely from now until the end of the semester. We thought that we would be able to keep our shops and labs open.

steven turnipseed : **Any community-based resources that students can take advantage of…?**

Aidan Ackerman : I'm understanding from my students that they don't feel there is a replacement for hands-on fabrication. I don't think our offer to fabricate for the students was helpful. Instead, we will spend more time on iterating laser cut and toolpath files with the intent on having them fabricate in the fall.

Brian McLaren : At the University of Washington we just finished our winter quarter furniture studios. Students were allowed to work in our labs, with assistance from lab staff but they were not given any structured instruction or input from their studio teachers.

acschultz : I wonder if there are VR options for simulating fabrication?

kathryn anthony : Hi everyone! Hope everyone is happy and healthy…and stays that way! Teaching at university of illinois at urbana-champaign (Marci's friend and colleague)…watching from La Jolla CA now…I am concerned about challenges for international students who came to the US and will be missing out on in-person classroom instruction and interaction…ditto for our US students on exchange programs who were recalled back…how we enhance cross-cultural exchange virtually? Studio culture…seminar culture…campus culture…etc…?

lfitz : Rhino CAM previews a file's cutting path.

minghu : Here is a multi-user immersion VR, with the option for people to use their laptop, cell phone and VR Headset. This required super proficient VR instructor:**https://www.youtube.com/watch?v=APYz8n2H9RY**

NJ Unaka : Especially with students who are impaired!

NJ Unaka : Called in the jargon; Situated Learning.

Karen Nelson : **our students use What's App** as well as posting short videos to share comments about one another's studio projects.

Elisandro : University of Illinois at Urbana-Champaign is currently developing a multi-disciplinary VR immersive classroom experience for teaching in a virtual environment. It is called Project Komodo.

Andy Thomson (Canada) : Just starting to look at this (private sector) for collaboration: **https://twinmotionhelp.epicgames.com/s/article/Virtual-Reality-for-Architecture-with-Twinmotion?language=en_US**

Karen Nelson : with international students - we aim to find times that work best for synchronous critiques to include the broadest range of student schedules.

NJ Unaka : I think we should all volunteer to go down and help Rusty finish their ongoing projects!

Julie Chen, University of Hartford : Social distancing, NJ!

Julie Chen, University of Hartford : I set up a questionnaire to gather information about what my students have at home.

Thomas Barrie : Regarding scheduling. Are folks considering retaining scheduled meeting times for lecture and studio courses. I certainly plan to do so for my Freshman lecture course where I will ask them to watch an on-line video and then engage in an on-line Q&A.

acschultz : I think it is difficult to "match" the campus system online-one of the things that needs to be discussed is if they can even meet, can we teach in an asynchronous fashion as well (in addition to matching the schedule?)

Alissa de Wit RIT : has anyone dealt with small group studio interactions between students? How can we support/ encourage these remotely?

Rusty Smith : Ha-Ha - We would love to have you all come pitch in - unfortunately we are also shuttered to visitors at the moment - we have done the same as Julie re: began the Q&A with students and resources they have at hand.

kathryn anthony : curious what it was like for those of you whose students had to move out of their design studio - their home away from home? Probably sudden…and sad…

Rachel Schade : The Zoom break-out rooms seem like a good option for putting students into smaller groups, the instructor can move between "rooms"

Julie Chen, University of Hartford : Sounds like a can of worms.

NJ Unaka : Can of worms Martina!

bwrightsman : I teach at Laurentian U in Canada and we are re-organizing our studios into groups that we can spread out over the week. Our thinking better discussions less contact per week.

Patrick Harrop : such a good question that everyone is silent

Rachel Schade : Which suggestion was a can of worms? Zoom breakout?

Julie Chen, University of Hartford : I don't (virtually) touch a student's computer with a ten-foot pole!

Marci Uihlein : Control of computer

Rachel Schade : Check

Patrick Harrop : **are there any collaborative tools for Rhino and grasshopper?**

Lisa Findley : (I want to be where Kathryn A is!)

Rachel Schade : For what it's worth, Drexel has put together a pretty robust website that is being updated daily: **https://drexel.edu/it/help/a-z/covid19-prep/**

kathryn anthony : bandwith issues…not everyone has tip top internet access from home…

Julie Chen, University of Hartford : @kathyryn, I'm considering telling my students to lower their screen resolution a bit in the hopes to help with the bandwidth.

Emilee Mathews : **Please see this statement from copyright librarians about this issue: https://docs.google.com/document/d/10baTlTJbFRh7D6dHVVvfgiGP2zqaMvm0EHHZYf2cBRk/edit#heading=h.yrwelxtxcfgr**

Rachel Schade : Adobe Creative Suite has offered access to Drexel students for free for now, I'm told. Worth asking Rhino & other folks for free or reduced cost

Bara Safarova : oh! How did you manage to get Adobe access for free at Drexel? That seems to be a big issue at University of Washington for us at the moment.

sharonmatthews : Is anyone in a contractual arrangement with an online program management firm (with their proprietary LMS)?

Julie Chen, University of Hartford : Our university has WebEx, Blackboard, Ensemble

kelly carlson-reddig : Any opinions about WebEx vs Big Blue Button?

Rusty Smith : Thanks Emilee - our discussion was more about the use of our own intellectual property that we are often more liberal in hearing in a closed classroom, but might be a little more averse to recording, sharing online more publicly, etc. Both sides of the coin are really interesting issues to consider.

Julie Chen, University of Hartford : We also get Skype through our free access to MS Office Suite.

beth weinstein : could you repeat the comment. can't hear Kyle

Lisa Findley : I can't hear the current speaker?

Emilee Mathews : Thanks Rusty

Julie Chen, University of Hartford : He's talking about Bluebeam?

Rachel Schade : repeat the question

kathryn anthony : At our campus many of us use university of illinois **box.com** to upload and review student work…in my seminars (usually max of 20 students) for the past 10 years I also use a private facebook group for discussion …it works very well…also often ask students to copy and paste parts of their assignment from Box…so we can get a quick overview of everyone

Rusty Smith : yes, Julie - Bluebeam

michaelzaretsky : Is anyone using Microsoft Teams?

kathryn anthony : How do you do breakout rooms?

Rachel Schade : Haven't used them yet: **https://support.zoom.us/hc/en-us/articles/206476093-Getting-Started-with-Breakout-Rooms**

Julie Chen, University of Hartford : Can't remember who that was.

Kyle Tornow : Bluebeam Session can be used in place of Goto meetings. Allows easy mark-up of student work for review of developing design work. And it's free for students. Great way to learn about the plate form that the industry has been adopting.

Alissa de Wit RIT : I haven't use it yet. Though it looked like a good idea.

Victoria Benatar : Are you recording this session?

Andrzej Zarzycki : yes

Victoria Benatar : Where can the recorded be found?

Andrzej Zarzycki : please contact us

Andrzej Zarzycki : we will share it with ACSA

r : Robert at University of Houston: Anyone have experience with reviews using Microsoft Teams?

Rachel Schade : Yes, good for sharing documents

lfitz : We are just now trying it at the Univ of AR

minghu : We Webex, which can have breakout session as well

patriciamorgado : I am sorry that I have to leave…

NJ Unaka : I have used Facebook in a large class.

Lisa Findley : Thank you for organizing and hosting this. I have to sign off for another meeting.

NJ Unaka : Also... someone told me about another platform called Voicetread

r : We would like to try individual presentations, as in a jury, using maybe a combination of Powerpoint and phones. Discussion will follow each presentation.

Alissa de Wit RIT : Does anyone **use Remind for keeping up and reminding students of meetings**?

Julie Chen, University of Hartford : Haven't tried WhatsApp, but it's extremely popular with my students. They have been "meeting" without me outside of class.

Bara Safarova : Anyone used slack?

Branden Schwab | Drury HSA : My students use WhatsApp, I've stayed out of it to allow them to have their own platform w/o instructor oversight…

Branden Schwab | Drury HSA : but considering requesting access from the studio rep.

hollyzickler : I use WhatsApp with my students. It works well

NJ Unaka : Are these ways of interacting decent substitutes for students interacting with each other?

Rusty Smith : I can say a bit about what's app as well.

Branden Schwab | Drury HSA : Tons of Slack for design & build teams outside of academia, preferred tool

NJ Unaka : Hey Rusty, what about all the building materials? I have a few loads of dirt with nowhere to go.

Kwesi Daniels (Tuskegee University) : **GroupMe is great app for discussion and interaction**

kathryn anthony : I would like to suggest a research topic for those of you who teach studios… what was it like for students to suddenly have to move out of a design studio?

Rusty Smith : May I offer one other suggestion?

Patrick Harrop : I have one last question:

edapont : i like the idea of rescheduling. It will be interesting to see the student feedback from different schools too.

Kwesi Daniels (Tuskegee University) : As we choose the new online platforms, it would be good to limit our selections to one or two platforms so the students are not confused and stay engaged.

Branden Schwab | Drury HSA : well said, Rusty

Bara Safarova : sounds great!

kathryn anthony : Thank you to all organizers and all participants…very helpful…stay safe… wash your hands…

NJ Unaka : Hear, hear.

Wendy Cox : Thank you so much. Extremely helpful! Wendy

Patrick Harrop : This was extremely helpful

Rachel Schade : Kudos to ACSA, to TAD, and to all participants!

acschultz : Thank you-good to have this conversation!

hollyzickler : Thank you!!

Rusty Smith : Thank you all - really great to connect and much appreciated!

beth weinstein : thank you.

ACSA Staff : Thanks, everyone, I agree we should do it again (Mike Monti)

rdermody : Thank you!

kschwartz : Thank you for putting together this conversation. Very helpful.

Julie Chen, University of Hartford : Thank you!

edapont : Thank you

Eddy Man Kim : Thank you for this

Eddy Man Kim : good luck everyone

Kwesi Daniels (Tuskegee University) : Thank you!

Thomas Barrie : Thank you to all!

Tyler Sprague : Thanks!

Alissa de Wit RIT : thanks!

NJ Unaka : Thanks.

Mike Christenson : thanks!

NJ Unaka : Aloha

Rachel Schade : Ciao!

Bara Safarova : Thank you!

Ellen : Thanks!

solis : Thank you

Elisandro : Thank you!

Azadeh Sawyer : Thank you!

Andrzej Zarzycki : other discussions tonight https://www.acsa-arch.org/2020/03/13/pivot-to-online-learning-discussion-sessions/

Al Lawson : bye

Branden Schwab | Drury HSA : sharing a baby photo, thanks for a great exchange and allowing me to stay home with the boy!