BRITISH COLUMBIA DRAFTING TECHNOLOGIES ARTICULATION COMMITTEE (BCDTAC) ANNUAL MEETING

June 24th, 2020, 10:00am – 12:00noon

Online Meeting through MS TEAMS

In Attendance

Mindy Marshall	Thompson River University (TRU)
Ross Lyle	Camosun College
Daryl Massey	Kwantlen Polytechnic University (KPU)
Michael Whitmore	Kwantlen Polytechnic University (KPU)
Bruce McGarvie	Vancouver Community College (VCC)
Wes McCaulay	University of the Fraser Valley (UFV)
Eamonn Bourke	British Columbia Institute of Technology (BCIT)
Sameneh Hashemi	British Columbia Institute of Technology (BCIT)
Michael Currie	British Columbia Institute of Technology (BCIT)
Fiona McQuarrie	BC Council and Administrations Transfer (BCCAT)
Louisa	Brighton College
Edward Cheung	Brighton College

Pre-amble

This year's meeting was recorded using the MS TEAMS platform. A full Transcript of the meeting has been attached as a separate schedule (B) to the Meeting Minutes. **NO** corrections have been made to the transcript so spelling or word use inaccuracies/mis-translations (occasionally quite funny) are intact and individual speakers are not indicated except where identified by the Chair. As a result of the Transcript, the Meeting Minutes will not contain or re-produce content in areas of Institutional Reports but will list talking/discussion points which are available for full review in the Transcript.

Welcome and Introduction

The Meeting was called to order by DM at 10:05 am, followed by attendee introductions. Attendees were informed that the meeting was being recorded to assist in Minute taking process.

Approval of Agenda

The Agenda was reviewed and approved. Motion: RL, Seconded: Louisa

Approval of Previous Meeting Minutes

After a brief review, the Meeting Minutes from 2019 were approved. Motion: WM, Seconded: RL

Institutional Reports – See Appendix A (attached)

In the interest of brevity, presentations were limited to highlight curriculum or course material changes that effect articulation rather then re-presenting information contained in each institution's annual report.

BCCAT Update / Presentation

Dr Fiona McQuarrie, Special Projects Coordinator at BCCAT and Professor in the School of Business at UFV

- BCCAT offices are also operating 100% online
- grading and transferability of credits etc. remains unaffected
- a News page has been added to the BCCAT website to assist and provide current information
- BCCAT Spring Update was reviewed

Sharing Session / Current Affairs

Main Points of Discussion:

- Concern over students' and Instructors' abilities to adapt to fully online courses

- Pretty clear division between students that excel in online and those that struggle

- Several strong benefits to online were noted:

  o Flexibility

  o Lack of commuting, parking, other time-wasters

  o Students are able to better balance work and education schedules

  o Huge advances in communication skills, hardware and software

- - Ability to easily engage outside lecturers to ZOOM into classroom

- How do we as educators create or maintain community with our students

- Industry, education systems, etc. are going to adapt to what we are learning/experiencing and changes are sure to develop once some sort of new normal returns

- The rise of online "Cheating" sites and what this means to authentic assessment

- The effects of online delivery to International Student social expectations

- Challenges to International Communities where internet access and a home working environment have become critical issues

- How to we, as educators, contribute to what a new normal will look like. There are too many good things about the old normal to simply dismiss them

- How will our future budgets and work spaces be affected by a new Institutional view and serious budget and planning problems being experienced across all spectrums

- Difficulty with Coop placements and Students who require this component for graduation or credential

- What is the future of forums like Autocad University (AU) and other user group type affiliations where the social aspect is what enhances the collegial and informative experience

- How will health and safety change how we manage our facilities into the future

- Everything seems to be in a holding pattern for now, no real conversation yet on class sizes, utilization, budget or staffing changes, etc.

- May want to view what we are doing as "Virtual Classes" and not as online courses

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Nominations for New Chair / Co-Chair

DM has agreed to remain on as the Chair by acclamation

Selection of date and location of next meeting

Date: Wednesday June 23, 2021, Location: Assumed as online

Meeting adjourned at 11:50am

Motion: EB

Schedule A - Institutional Reports

BCDTAC – Institutional Updates

Institution Name: **Thompson Rivers University**

Name of Program(s): **Architectural & Engineering Technology**

Department Chair/Head: **Dale Parkes / Walter Prescott**

Program Description and Options offered:	• The ARET program emphasizes the design processes in building/architectural, civil and mechanical technologies, involving design projects for building structures, subdivisions, municipal services, as well as electrical, plumbing, lighting and HVAC systems. • No options currently; all courses are mandatory for graduation. • But can ladder with one more year into Bachelor of General Studies (BGS) through Open Learning; courses can be face to face or distance or other to complete the degree.
Course Structure and Program Delivery In-Class Hours	• Cohort based (intake of 40/42 max) face to face 6 semester program. Each semester is between 20-26 contact hours. • Due to COVID-19, the ARET program will be delivered in an "Alternate Asynchronous Delivery Format" this coming Fall Semester,
Software used:	• Revit, AutoCAD, Civil 3D, ~~Gimp,~~GIMP, FormIt
Articulation Related Activity – Please include relevant dates:	• ~~Completed~~ • In-Progress – in the process of updating all course outlines and learning outcomes to match institutional requirements. • Received National Accreditation at the Technologist level with TAC Sept 2019. • ~~Anticipated~~
Course or Program Changes	• Completed – Revit MEP is now used in 3rd year HVAC Course • ~~In Progress~~ • Anticipated – one year certificate – included courses TBA
New and Cool:	• More 3D printers • 2 VR stations for students • Co-~~o~~Op is back; students take a Co-op 1100, a one credit course. Can do 2 semesters of co-op. ~~in~~

Updated June 7, 2020

Additional Comments:	• Have 2 new distance courses coming:
	    o Green Building Rating Systems
	    o Energy Modeling

BCDTAC – Institutional Updates

Institution Name: Brighton College

Name of Program(s): AutoCAD Drafting and Design Specialist

Department Chair/Head: Edward Cheung

Program Description of Program and Options offered:	• AutoCAD Drafting and Design Specialist 35 Week Diploma Program, 4 Wee Practicum included
Course Structure and Program Delivery In-Class Hours	AutoCAD Drafting and Design Specialist 620 Study hours 150 Practicum Hours (Due to COVID-19, classes have been delivered on a online format)
Software used:	• AutoCAD • Civil 3D • Inventor • Revit • 3D Studio Max • Sketchup
Articulation Related Activity – Please include relevant dates:	• Completed • In-Progress • Anticipated (We assume it is still in progress. In terms of course / program transfer with KPU, we had communicated with Daryl of KPU, we sent program information and set of project drawings for review. Daryl mentioned that he is waiting from the Registrar office for comment, so we have been waiting for the decision)
Course or Program Changes	• Completed • In-Progress • Anticipated

New and Cool:	We are working on a 4-year degree program in Construction Management, we are in the planning stage at this point
Additional Comments:	-

BCDTAC – Institutional Updates

Institution Name:	BCIT (British Columbia Institute of Technology)
Name of Program(s):	Architectural and Structural CADD & Graphics Technician
Department Chair/Head:	Eamonn Bourke (FTS); Samaneh Ghazanfari Hashemi (PTS)

Program Description of Program and Options offered:	- Architectural and Structural CADD & Graphics Technician - Structural Option (Certificate) (Full-time) - Architectural Option (Certificate) (Full-time) - Construction Drawings (Associate Certificate)
Course Structure and Program Delivery In-Class Hours	- Structural Option (10 months, full-time) - Architectural Option (10 months, full-time) - Construction Drawings (Part-time/Distance & Online Learning)
Software used:	Revit, AutoCAD, SketchUp, Adobe suite, and Microsoft Office Suite
Articulation Related Activity – Please include relevant dates:	- Completed - n/a - In-Progress - n/a - Anticipated - n/a
Course or Program Changes	- Completed - Incorporated 3D printing into more assignments. - Increased use of Virtual Reality with plug-ins to Revit and SketchUp. - In-Progress - n/a - Anticipated - Online or blended delivery, Fall 2020.
New and Cool:	- Increase use of 3D printing for assignments, where appropriate. - Continue to increase use of VR to assign with industry needs / trends.
Additional Comments:	The practicum search and experience continues to be a cornerstone of the program. Students learn the skills required to search for a job on graduation. They also recognize the relevance of assignments and classroom activities.

BCDTAC – Institutional Updates

Institution Name: KPU – Kwantlen Polytechnic University

Name of Program(s): CADD Technologies

Department Chair/Head: Christina Heinrick

Program Description of Program and Options offered:	• Citation – 16 credits, one semester in fundamentals • Certificate – 32 credits, two semesters, second semester being a specialty in either Arch. Mech., or Struc. Multiple Specialties option • Diploma – 65 credits, 4 semesters which include higher level CAD and academic courses
Course Structure and Program Delivery In-Class Hours	• Undergraduate Program • 13 week semester, 6.5 hours weekly incl. 2.5 hours lecture and 4 hours lab per course. Typical 4 course workload
Software used:	• ACAD, REVIT, Tekla, Solidworks, Sketchup, Enscape, MS Office, HOT2000, Civil 3D, Photoshop
Articulation Related Activity – Please include relevant dates:	• Completed - PLA process to replace Block Transfer process with Vocation Inst.
Course or Program Changes	• In-Progress – full review of courses and outcomes underway with intention to complete Program Changes for Sept 2022
New and Cool:	• Online delivery expansion • Expansion of VR and AR components • Possible classroom space reconfiguration/upgrade

| Additional Comments: | • |

BCDTAC – Institutional Updates

Institution Name: University of the Fraser Valley

Name of Program(s): Architectural Drafting

Department Chair/Head: Randy Kelley

Program Description of Program and Options offered:	- Program focused on wood-frame construction (Part 9) and basic architectural design - One year Certificate
Course Structure and Program Delivery In-Class Hours	Intensive (no semesters), 1400 hours
Software used:	SketchUp, AutoCAD, Revit, Lumion
Articulation Related Activity – Please include relevant dates:	Completed: entrance into KPU CAD program 2nd year In-Progress: Anticipated:
Course or Program Changes	Completed In-Progress: Online delivery for the fall Anticipated
New and Cool:	Interaction with agriculture/biology faculty on tree species, and studies of rot on various species of softwood used in wood-frame construction
Additional Comments:	

BCDTAC – Institutional Updates

Institution Name: Vancouver Community College

Name of Program(s): CAD & BIM Technologies

Department Chair/Head: Bruce McGarvie

Program Description of Program and Options offered:	- CAD Drafting Short Certificate (Citation) - Architectural Technician Certificate - Civil/Structural Technician Certificate - Steel Construction Modelling Technician Certificate (formerly Steel Detailing) - CAD & BIM Technician Diploma
Course Structure and Program Delivery In-Class Hours	350 hours for Citation 1000 hours for Certificate Additional 750 hours to Diploma (1750 total over 2 years) (based on 25 hours per week)
Software used:	AutoCAD, Inventor, Civil 3D, Revit, Sketch Up, Tekla, Enscape, Twinmotion.
Articulation Related Activity – Please include relevant dates:	- Completed – none this year - In-Progress – none this year - Anticipated – UFV, TRU, KPU…dates t.b.d.
Course or Program Changes	- Name change to Steel Detailing Program - New Civil courses added to Civil/Structural program
New and Cool:	- New programs in design - Full transition to online virtual classrooms response to COVID-19 - National accreditation in process
Additional Comments:	

BCDTAC Meeting June 24, 2020

MS TEAMS Meeting Transcript

Attendees:

Michael Currie – BCIT

Eamonn Bourke – BCIT

Sam Hashemi – BCIT

Bruce McGarvie – VCC

Ross Lyle – Camosun

Mike Whitmore – KPU

Daryl Massey – KPU

Wes McCaulay – UFV

Mindy Marshall – TRU

Edgar   Brighton

Louisa   Brighton

Fionna McQuarrie – BCCAT

How to download TEAMS Transcript:

https://web.microsoftstream.com/VTTCleaner/CleanVTT.html

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Tool last updated: 01/03/2020

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4. Pick the VTT file(s) you downloaded from Microsoft Stream
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Select the transcript VTT files to clean

Transcript for 'BCDTAC Annual Meeting_AutoGeneratedCaption.vtt'

On your your screen indicating your approving this. If anybody is uncomfortable with the meeting being recorded or has some. Opposition to that I guess now would be the time to say so, but participating is is by basically agreeing at this stage. OK, so let's carry on aim and perhaps you could, uh, introduce yourself. Hi, my name is a man. I'm the Department head for the architectural and structural drafting Department to be CIT an full-time studies. am I being with the program for Seven or eight years now and I became the Department head in March? So great time to start getting the head. This is my first time at one of these meetings so it will just be listening a lot and then driving in when when I think I should be adding something. Thanks. Thank you and welcome. Perhaps Michael Curry you could go next. Hello uh, so Michael Curry an associate Dean Uh? Uh, for school construction environment an and oversee many programs, including the drafting program. A man I won't be able to stay too long but Amon. As azzameen mentioned, he's the program head for the full time program and Sam is also going to program head for the part time structural drafting program. Anna has retired from VCT. Thanks, Michael, perhaps Bruce you can go next. Sure hi everyone, my name is Bruce Mcgarvey on the Department head of the caden bene technologies Department at Vancouver Community College. Nice to see all again. Thanks Bruce Ross, perhaps you can follow sure. In the chair of mechanical engineering at Community College, and I look after the mechanical engineering technology program and the engineering graphics technician program. Thanks Ross, perhaps Mindy. You can go next. Mindy Marshall, former chair from the architectural engineering technology program, actually quite grateful that I'm not sure this year. And from here you yeah. OK West, perhaps you can follow. All right folks. West Mccalla here. Uh, lead instructor for the architectural drafting program at the University of the Fraser Valley, which is in Abbottsford, an Chilliwack. Thanks Wes. Um Mike Whitmore. I see you're there. Can you hear me? I can hear you alright. Hopefully I'm not too loud because I notice that I can't adjust my microphone volume. So if I'm blasting Arizona, I apologize. I might quit more. I'm the old guy here, been around forever and ever recently just went down to 50%. Kind of easing myself out. I teach the industrial. Process piping conveyors CAD customization and. Yeah, so I'm using myself how it'll be here till next year may year after that, maybe and then I'm gone. Folks, have fun. We've been hearing that from Mike for years already. Don't hold your breath. Fiona, perhaps you could fold a makeup. For sure, good morning everyone. I'm feeling a Macquarie. I'm the special projects coordinator at BC Cat and I was at the meeting last year so very good to see everyone again under these unusual circumstances and I'm BC cat on a second an my regular job is I'm a professor in the School of Business at the University of the Fraser Valley in Abbottsford so high West. Thank you Fiona. Uhm and we have a Sam Hajime is uhm as a new person here today so perhaps you could take a moment. Introduce yourself. Yeah yeah. Good morning everyone. I'm Sam I, I'm bad uh structure instructor I I'd be senti structure rafting instructor. I'd said you're having a term instructor at VCCI see first year as well and actually I have worked as a engineer as a consultant so far. But I love teaching I have. I have taught civil engineering and now. I'm doing a iama program head full part time studies at PCI drafting at PCT, nicest y'all, and good morning. Thank you welcome. We have Louisa from Brighton College has just joined us so we're doing introduction so perhaps your your timing is perfect. You can go next please. OK so I'm in Brighton College for over 10 years. Uh, an I teach various courses. I have a Masters degree in architecture. Uh, and uh, I am usually with building code courses and uh, you know sometimes with the outlook, add a drafting an estimating and so on. Basically you know few few courses that I covered there as needed. Yeah, the The College has grown over the years. Uh, since I was there A and it's really kind of getting a serious organization right now. Good thank you very much and I I'm Darrell Massey. I'm from Kwantlen University. I'm no longer the chair there and again, I'm grateful for that this year as well too I'm. I'm sure I'll have to take that role on again in the future, but I'm I'm in current chair of the BCD tax. So welcome to everybody. Thank you very much. So what I'm going to do is I'm going to share my screen. And um, go through some of the documents. I will start out. Just looking at the agenda and, um, just bear with me for a moment while I make that transition. Can everybody see the agenda that I've just brought up? OK, so we've we've already done the sign in welcome, but perhaps the first thing we do is, is, uh, uh. We need a motion to approve the agenda, and then we'll have some discussion afterwards. Yeah, I make the motion. OK, perhaps when when you make a motion we could just say our first name first, just so that it's recorded Easley later on as part of protocol. Thanks, thanks for us. So we need a second are after we have some. Uh, at this point, second Louisa. Thank you. Uh, are there any additions or, uh, questions or deletions that we need to add to the agenda before we proceed? Well, if there's if there's no like um conversation, then. I will proceed. I don't think we need a vote to approve the agenda at this stage. I don't believe, but my my intentions are to move as quickly as possible and I do appreciate everybody's time. And efforts and will try and keep things as tight as possible. One of the obviously one of the downsides of meeting this way. We don't have the personal interaction that were normally accustomed to. But, uh, uh, it does allow us to move a little bit quickly or more quickly through the agenda items as well, though, so let's move on to the approval of the btac meeting minutes from last year will bring those up. I can find them here quickly. There we go. Alright, so uh, my not sure if everybody had an opportunity to read

through all of these documents. I know I did send them out two days ago. Hopefully everybody had a chance, but we need a motion to approve. Motion to approve by Wes Macaulay. And the second are. Call second Ross, thanks rose. Any comments, additions, corrections? I know there's a lot of information here. Then I'll call a vote to approve. Please just say I. I. Hi hi hi. Right. Are there any in opposition? Sene. And if there are not opposed, then I will consider it approved. We don't have specific action items to follow through, it's mostly information, so we're just going to continue to move through on our agenda then so that we're going to move into the institutional reports and. Um, let's see if I can. I didn't bring them up. OK, so hold on for 2nd and I'm going to find that. Bring up that summary here. OK, so since we have Thompson Rivers at the start, perhaps so we'll start there. And, uh, what we're trying to do, of course, is to to limit our institutional reports to 5 to 7 minutes. And obviously we don't need to go through those things which are unchanged, but focusing primarily on those things which are relevant to articulation or any program level changes or adjustments or changes that are underway. So thank you, Mindy. If you could proceed, please. I guess it helps if you unmute first before you start talking. Uh, OK, so um the red program. We've recently did. Uhm, a learning outcomes. Uh, sort of workshop with the program to sort of try to refocus our program. It's part of a larger articulation process at Terio is going through. Otherwise we're just making this switch to virtual teaching for the fall. Uhm, as I'm sure everybody else is as well we have, we are starting to use a rabbit to the MVP portion of Rev it into our program. Otherwise we're just sort of continue to update along with the building code, and, uh, those kind of ideas. We've got a little bit more in terms of 3D printers. Some VR stations that we were just about to implement before we all went home to work from home, so hoping that will be able to get that back going in January if were allowed to be in person. I don't believe there's any way we can do virtual stuff by distance. As far as I can figure out, if anybody has suggestions on that, that would be fantastic. But that are Co-op is back. Um, our students are really enjoying that portion. Of course, everything sort of slowed down a lot for this summer, but we do have a few students who did manage to find some work in Co. Op uhm, so hopefully we will be back on track after this coming up here. Thank you. Thanks, Mindy. Uh, let's see here who is next? A break in college, so I'm not sure if Edward, if you'd like to present or how you arrange that. I think he may have dropped off. Do you see him? And, uh, I'm here. Oh, you're here. Oh, go ahead. Me OK right? Yeah yeah OK perfect so I bring college. I think similar to everybody we switching from face to face in class teaching two online virtual learning right? And actually this time to get useful for everybody but out there I would say two to three months slowly get used to it and we actually enjoying it, you know, so I'm sure probably some. And then from the folks here will share the same view to a brain college. We don't articulation, we have conversation with GPU with Darryl Ann. We still I guess in a waiting process. If it I'll AutoCAD drafting program and see if some of the courses can be transferred or not. The way to be seen right? OK? And besides that in terms of the course is pretty much the same thing with teaching. Are the only good important thing that's going for a new things going for us right now? We are planning on a four year degree construction management program. We hire consultant to work with us on this, and we're getting expertly outside because it goes through something called the core. Hunting process to make it happen so it's a long process, but we basically plan all the courses for your degree program an. Yeah, so it's a long way to go, so hopefully by the end of this year we have we will submit the documents to the decor for approval, see how it goes from there. But other than that, in terms of programs with you, teach all the major CAD programs I AutoCAD rabbits within rabbit we have revenue structure, rabbit MVP as well. Civil 3D Autodesk inventor for mechanical and we also have sketch up and we also get our solid works program approved by government agency. So will be. Launching that soon as well. So yeah, things are going on a pretty much as usual, right? Except we're doing virtual teaching and learning. OK, so that's pretty much what we what we have. Thank you. OK, thank you. OK be BCIT is up next. I'm high, it's raining here. I guess I'll go first I can everybody hear me yes, OK so um I as as everybody else mentioned we've been online since March for the last couple of years we've been building in more 3D printing and into a bunch of different courses and more VR. We use the media works at library. They have a bunch of VR stations and a Seven or eight 3D printers that we rely on. So we kind of use them for when we want to do that kind of stuff. And for VR, an one thing that we did manage to incorporate that was possible was I'm using so many we kind of use these little like Cardboard Google Cardboards and there's one or two places like Mid Elo or one or two like online options that you can use. It's not. It's not quite up to the standard of having like a bully or headset that you could navigate, but it's kind of a little step towards that, so we incorporate that towards the end of the year and in full time studies. I'm on the architecture side we have rabbit for the last Seven or eight years we've been building that into more and more of our other course. This, along with them keeping AutoCAD on the agenda, 'cause That's what it really wants a lot. I'm SketchUp Adobe Suite, those kind of things an anet has retired and so Sam has been taken over the last couple of months. And also we launched a construction drawings, associate certificates on the structural side for part time studies. So we're going through teething process of that at the start this year. So I'm Sam has picked up the ball on that. She's the program head for part time studies, so let's Sam tell you a little bit about the structural side. What about the part time studies? Yeah, yeah, actually, I think even in regards to the programs that we are using, the software that we're using, I think even mentioned all of them. I want to add take law civil 3D for the for the architecture outside. And I actually yes we are launching a new program which is called construction drawings associate certificate as a kind of simplified version of and combination of structural and architectural drafting. And the courses are offered in actually totally in four months. And, uh, well transition. Let me tell you about transitioning to online. We have a workspace at the CIT. This is a virtual desktop that helped us alot transitioning to online courses, so we're now sharing. Our virtual desktop with a civil engineering Department. So in that desktop actually on that desktop we have all the programs and all the software that we need to use in our curriculum. We we have them already so students just need to connect to the virtual desktop rather than using any VPN or any like extra setup and. That made actually our life much more easier compared to other institutes transitioning to online, so we would just get again gave, give this student training on how to connect to that virtual desktop, which is a simplified version of Internet Explorer or Chrome, and they would have access to all of their files stored in their shared drive. So yeah, yeah, that's I think all about. We can add more if you have any question. Yeah, thanks. Thank you very much. OK, let's, uh, OK. Kwantlen, that's me. OK so um, like like all of us. Obviously the transition to online has has been a challenge. Fortunately, myself and a set in a few other the instructors have already been teaching online occasionally for several years now, either fully or partly. So this was very helpful. I already had, for example, I had curriculum already established and and and set up to operate, so this hasn't been a difficult transition for me personally. The students themselves seem to have picked it up quite well. I think that personally I think this is going to be a bit of a paradigm shift. Towards people realizing how good the technology out there is a Sam is just indicated. You know, virtual desktop and these kind of things were quite ones using are working towards a Citrix server time. A method to do the same thing for all the software is already pre

loaded in the students. Just have to access that virtual desktop. So those are great tools. Obviously the meeting software is great so we're teaching a lot of these things online. Now. One of the things on a program level. You know we're looking at the fall is going to be a challenge. You know a lot of the tools that we've used in the past, including VR in 3D printing are going to be very difficult to incorporate. As already been mentioned, and so we're looking at how to work around those things that incorporate various forms of them somehow. So the fall is going to be a bit of a challenge for us. I think not having the lab opportunities at kpu they're looking at. Um, some in lab opportunities we haven't. Gone that route yet, but there are some programs that, for example, welding and Ferrier. That just there's just no other way to do except to be in attendance. So I think we're all wrestling with similar issues. There were, uhm, we're looking at some changes in the future about every three or four years. We kind of we sit down and look at our entire program to see if there's something we should be doing differently. and I think the next couple of years we're going to make some significant changes to how some of our courses are are laid out. I think the same uhm specialties are going to be offered, but perhaps in a little different format perhaps, but um overall we have really good student numbers. This summer was a bit different, obviously, but um, we have really good student numbers lined up for the fall, so we're happy about that. So it seems like people are adapting to the current reality and we had some people choose not to take courses this summer and defer for the fall, hoping that maybe things would get back to normal. I think most of the population is settled into the idea that normal is may be different than normal used to be, and a lot of that is going to be online, I think so we're moving forward pretty positively in that way, and the students are responding. We've we have done a fair bit of work and some articulation. I know Edward alluded to the fact that we've been talking for about a year and a half now about with most of you, as well as a matter of fact with some form of agreement and they got stalled. At Cape you a little bit. Because of some internal policy work that was underway that was making making um approval of those block transfers a little bit more complex. So little bit later on after we go through this, I'll probably want to address that specifically so that we can spend a few minutes just talking about those agreements and what's changed. We do have some finalized agreements now, so I wanted to make some kind of present them at some point in the meeting here so. That's just all happened in the last, uh, I'd say month and a half that we've actually finalized. Some of these articulation issues that we were having. The short form of it is that policy in a University or large institution is often a very large, complex process. As you guys know, and sometimes you step into a situation that's more like a Hornets nest that yet and anticipated. So we kind of did that, and so we learned a lot through the process and a lot of things have changed, but overall we're looking at. The software that we're using is is basically unchanged in the last few years. We are looking to expand the use of the full Rev it sweet though, and using me pee in structure and so forth a little bit more so that, uhm, the format is and the interface is familiar to the students so they don't have to learn another another interface, and so we're looking at a few modifications and streamlining, but otherwise our suite of software is pretty well unchanged. Um VR we were looking to expand the RNA are components. This is kind of been put on hold for now. So um yeah, we're just basically steering the ship trying to hold a straight course through this in front of find out what the future is going to look like so the course of our changes over the next year or probably going to be affected by. Various different levels of government policy and educational policy and and and keep you policy and on on how we move forward. So I think we're in some very interesting times. Personally I think that CAD technology is is well suited because we are technologists. We understand technology. We use technology and we can and our students are of a mind like that too. So we probably will have an easier transition into the future then perhaps some other program. So I am kind of optimistic about. Uhm, but the use of some of the tools that are being basically becoming mainstream now, such as you know, the meeting software we're using, we have something called the Big Blue button that we use in Moodle. I'm not sure if you're familiar with that. Those of you who use Moodle, but it's basically instant meeting software so that at any time is student or another person can just instead of forming you up, you just have an instant online meeting. So these type of tools are great for keeping the students actively involved and connected as a classroom as well too so. I think that's probably one of our biggest concerns is making sure that the students are feeling part of a community in an educational institution and not just isolated out there in their desk. Somewhere off in the world, you know, so some of these tools are great for including them and creating a social environment as well too, so. That's where we're at at keeping you right now. So Next up is a UFVD. All right, folks. So, um, I'm a relatively new instructor. I'm actually still finishing the PDP. And so we were shut down an mid March and we've been using just a couple of technologies that we've been using our zoom. Everybody's using zoom so we've got a password protected meeting room that we used and the other one that we used was discord. Any of you who are in the gaming community at all might know of this is some program I knew it just simply few through my kids. It's a free text and voice communications platform. It's really easy to set up what they call a server, which is sort of a group of users that might be around whatever game is being played. My students every year have been setting up discord servers just for the class. It's kind of like the modern version of passing notes. And so um. It's been set up extremely successfully because that way the students can support each other. It's ubiquitous, everybody's got the app on their phone. The discord app on their phone was no cost. the University to set it up. We did get them to sign the flip a waiver because discord's servers are in the States and it's not. There's not really a personal information concerned 'cause most of these kids already have discord accounts and had their bizarre. Gaming name uh, once they got the invite to to join the server so we actually had to ask him to get their real name on there. So we as instructors could sort out who was who. Discord also allow screen sharing, so when the students need some help with something, they could just hop into one of our voice voice rooms on the server and set it up so it's something you folks should look into. If you don't have a nice sort of. You know support platform through your senior school and there might be support platforms out there. I mean we do have one as well, it's just it's blackboard. So it was designed by Satan and his minions. So it's a really nasty piece of work and students didn't like it. So discord is something that's as much better. The Moodle Big Blue Button actually sounds pretty awesome, but we don't have Moodle in terms of the program itself. It won't be too many significant changes this year. It's going to be a bit weird showing the students how to do hand drafting over a webcam, so I'm going to try and set something up, but that's the same challenges that we all face. So anyway, that's it for us. K thanks West Vancouver Community College. I think Bruce you're here for us that would be main everybody. Sounds like there's some lots of fun stuff and fascinating things going on around problems. That's great at Vancouver Community College. We're plugging along as usual. We have the same programs. We have renamed the steel detailing program to steel construction modeling, which the whole. Industry is going away from the name of steel detailing. Uh, apparently the only people who really know what that is or people already in the industry. But and people in the industry all know who still detailing what, what, they are, what they do, and how important they are. But, uh. Just as an aside, we were at a trade show. We had a very

genuine and sincere question. Is there was this steel detailing my car detailing and so so we have a new instructors been on board for a couple years now and he's been in contact with some of the other industry partners down in the States and in Australia and the whole industry is moving that way. So we've been working with the Canadian student steel construction and they've been very supportive of our program and renaming our program. And uh, and promoting it nationally, which is great. Uh, so that's pretty cool. Uh, we are re uhm repackaging our diploma. Previously it was a 30 week program but to get into it you had to complete a one year certificate program. So it looked like a one year program for diploma when in actual fact it was a two years. It was very confusing especially for a recruiters. So we've repackaged the deployment so it has. It actually looks like a two year program with the first year having three options in a second year having options that square thing. So that is going through governance right now, um, yeah, so we've, uh, actually the Steel Institute and just back up a little bit. The Steel Institute has agreed to award two scholarships for our program, which is pretty cool and Walters incorporated out of Mississauga ON is very interested in partnering with us to develop some of their new hires. So that's really neat. Uh, what else is going on? We are in the final steps of completing our national accreditation, so being been working closely with technology accreditation Canada and having our diploma accredited nationally, just finishing up the last little bit and then we will have the auditors go through it and it will have a visit later on this year. And if all goes well, fingers crossed, we will have national accreditation. Which of course, AST PC recognizes. For this province, but also the corresponding provincial counterparts in Alberta, Manitoba, Saskatchewan, Ontario. An marathons also recognize Québec. Being unique, we are in development of a mechanical program, so there will be a combination of industrial, mechanical and mechanical for buildings which will incorporate both 3D plant and. Read it for me P. So pretty excited with that. We've got a few industry partners that are helping us up on the design side and the fabricator side so the pipers, the mechanical piping, do a lot of it already. They have found that they save 6 figures in cost of doing a job for the drainage pipe of a high rise if they model it and do all the work in the shop and ship it to the site so they're already. Years ahead and already applying this and so, uh, we're jumping on board with that, so that would be a pretty neat, uh, as far as the transition to virtual classroom COVID-19, I think was March 16th. We get an email from the president. That was a Sunday we met on the Monday at 10:00 AM and then the next day we were fully online with a combination of Zoom Classrooms for alive lectures, an 101 and. We have all our. All our courses in all our programs on a mobile platform somewhere in that, uh. Land for somewhere from just a place to put files all the way to fully online, so somewhere on that continuum. So we've been developing that doing a lot of work, so that's that's pretty neat. Our IT department has been very helpful in that we've for students that did not have computers at home that were robust enough to run the software. We were able to use remote desktop access, and they could use the. Computers that were in the lab, uh, and so they can log in from there and all the full suite of software was there so. The College and in our Department are also looking at Citrix Citrix hosted software, but more will be revealed. So in a nutshell that's pretty much for my sex. Thanks Bruce, Uhm I think that's the last Reporter received, but Ross he did send me something today. Sorry I didn't get it included in the summary document, but perhaps you could just. Fill us in without reference in front of us. Yeah. Sure, yeah I can. Maybe I can share my screen. I did actually have a report that maybe I can pop up here so if I can do that. Actually, why don't I just talk about it? 'cause there's, uh? So I think just like every every other institution and we went through the process of. Trying to figure out how to switch to online and we did manage to do that at the end of the in mid March. And it was. It's been an interesting experience 'cause I think some students have struggled with the switch to online and others have been more successful with it. Um and instructors have also found some challenges in doing that that switch over, you know, with, I think, a lot of my found. It's a large workload to make that switch and do this. Transfer of information that's normally presented in the classroom too, and. To do it online so we're we. Experiment with lots of things that have already been mentioned. Some instructors have been using zoom, others have been using discord. We've been using blackboard collaborate. We'd like to use teams, but we're having some issues trying to get students set up on teams that commotion college. So those are all things that are in the process. Hum. We've also uncovered a few other things. Uh, one of the things that was that happened at the end of our term for mechanical engineering program. We actually had his final exams dot online, and it turns out one student managed to upload his exam questions to a site called **** and in half an hour you can get somebody to solve your problem for you and then. Transfer it back to your document and submit it so that was uncovered is something that we had never expected, so that's probably more difficult to do with the, you know, sort of drafting related courses, but for certain other kinds, of course, is, you know we're just filling out the answers to statics problems or dynamics problems. Interesting dilemma. Uhm, we just one other thing I want. I just want to mention is that we have a move back to face to face instruction at commotion and it's been a big, onerous challenge for us. We just today. Just on Monday we opened up our machine shop to students and we had to go through three walkthroughs by Occupational Health and safety group to make sure that our shop would save covid safe. So I don't know if any of you will have that experience, but it's been quite enlightening to find out. What's what's required from an institutional perspective to make sure that students are safe if they're brought into the onto campus? So I think that's probably some of the most interesting things we've gone from a low enrollment last year, and R mechanical technology program from about 30 students, and we're back up to over 45. Expected for the fall, so nobody sure what happened last year for us. It comes in college while our technologies dropped, but it looks like we're back on track for much higher moments is here. I think that's probably. You know, I really big overview of what we've been doing. It will be an interesting experience for all of us as we move into the fall term and try to continue a successful and positive experience for instructors and students. This this year. So that that's that's you're here, thank you. Great, thank you very much. Uh, I don't think I've missed anybody has is did I miss anybody? Any institution. OK, I don't think so, um, so let's move on then. I know that, uh? Were the BC cat update I I might. I might add that component now that we've kind of run through the institutional reports and speak just briefly about the agreements that were underway previous before we get Fiona to give us the BC CAD Update. Um, just because we're talking about these things right now. So, um, lasted over the last year and a half, I know they keep you as we had communicated with. I think everybody here at the table about some form of articulation agreement what's happened at KPU is that policies are based on definitions, and definitions are often very hard fought issues about, and so they were updating all their policies relating to PLA, block transfers, and so forth. And the language that eventually got hammered out. Made a very clear distinction between vocational an undergraduate programs which obviously presented us with a problem because I think we're just about the only program at Cape you that articulates with both vocational an undergraduate programs who teach basically very very similar components and courses, and so we were kind of an anomaly in there and so our agreements were also an anomaly and so it entered a very long debate about. How to click carefully create those definitions in the bottom line is that they they chose to take a

position that there is a distinction between vocational undergraduate. And so the method of block transfer that's designed to work from similar to similar was no longer going to be the appropriate process which we were not very pleased with obviously, but over another period of long effort than I'd like to thank Christina Heinrich for this, 'cause she picked this up and have been working on on a very hard for the last nine or ten months is that they've created a special place for us, which is not unusual for us, so I'm gonna bring up on the screen what they end up doing for us. All the CAD block PLA form which is uh, uh, it was just a different animal no matter where we go it seems a KP you, but what it does it specifically create a channel for vocational institutional articulation directly into our CAD program which is undergraduate and by specifically recognizing those institutions which are vocational and creating a pathway. Now there's a downside to everything. Obviously in downside isn't. And, uh, that it's. It's not a typical BC Cat articulation process in that it's, uh, and I'll have to talk to Fiona. Maybe about this after the meeting a little bit about how we can make this work. But the bottom line is that it's a. It's a block PLA, so any student completing any one of the programs indicated here can have a cost free PLA process. Normie PLA you pay for the credits right? And but in this particular case, KP was waived. All the costs related to. Processing the PLA so it's basically a straight credit transfer into these, uh, it works the exact same way as a block transfer agreement, but it meets their idea of distinct definitions between undergraduate and vocational, so I do apologize for the length of time this is taken, but as you can imagine, and of those of you who have ever addressed these types of issues, that this policy level can understand, a year is not a long time and the University to develop policy. So I will be forwarding all this information to all the. All of you specifically so that we can. We can address this. It's not a formal agreement that requires to be signed off, but there is an information letter that I'm going to attach to it just kind of describes process. It's pretty simple and pretty straightforward, but it is the way that kpu is now going to address these for the next for seeable future, so I didn't want to let you think that we drop the ball and it just kind of not preceded with those articulation agreements, but we were forced to readdress them in a different way that met current Cpiu Policy updates and changes in definitions so. Uh, I know that. Um, I do apologize for the delay, but uh, and appreciate the few minutes you've offered me here to present this, but we will be sending this information off in the next week to each of you to review and take a look at. And we can have our private conversations about that at that time. So thanks for the patients in this regard. Aren't there any questions regarding this at this time just for a few minutes? We're about 5 minutes ahead of schedule now, so if there any questions, I'd be happy to answer them, but this time. No, OK. Well then let's proceed. Oh sorry question. Bring college, yes, we spoke last time we yeah, thank you again for addressing this. This is called a block PLA. Alright, Prior Learning Assessment Review we have it, you know, program too. So let's say if we have a AutoCAD program you know you review our courses program, does that mean student can still transfer all the credits of one course at a time? Or how I know you say you're going to. Private conversation if you just wanna get a quick idea how it's going to work. One hour 35 weeks. Is it gonna transfer once is recognized by KP? You fill this form a few processor we going to Easton is going to transfer the KP you the second year. How is it going to work? I'll just individually one course at a time like a regular. Block transfer so. So for example, if uh, you know if a student completes the construction drafting technician diploma at Brighton College? Uhm, there their entire first year is recognized and credit is given to the entire first year. So basically it be 32 undergraduate credits granted to a student successfully completing that program. And the same is true for the other institutions listed here that any student completed any of those programs could transfer in. All that that that work and receive undergraduate credit at Cape you for that first year and so one of the one of the things about PLA as opposed to um, block transfer is that were the experts right? And so PLA is an assessment by by subject matter experts. So if there are changes or alterations or some minor changes to a program, we have the. The ability, as the subject matter, experts to assess those changes and not go through any formal process to change an agreement or altering agreement. So this is actually a little bit more flexible because it puts the onus on the Cape you CAD Technologies Department to assess as the subject matter expert. So it's probably a little bit easier, but it's a full transfer of the full year of any of these programs into undergraduate credits at KPU. Thank you, that makes sense. Looking further conversations as well to specifically and I will send an information package. Great, thanks. OK, let's move back to the agenda and I believe, uh, uh, biona is up. I believe to present to us the The Spring update from BC CAD. I'm going to bring that up on the great thank you there you go OK. Uh, so good morning again everybody. Uhm I have to point out that we finished the spring update for distribution literally the week before everything shut down and we all started working at home. I think some of you know that BC cats offices in Vancouver are in the Beastie IT building downtown at Dunnes mere and theme or so when the CIT close down its campuses. We had to leave too. And we're going to be working at our individual homes for the foreseeable future, although. Now we can go into the office if we go one at a time with a security guard accompanying us. Uhm, I don't want to go over everything in the spring update because it's there for you to read, but I'm happy to answer questions about it. One thing that we have done, at least the cat since the. Courses and programs went primarily online. Is there is a lot of confusion across the entire BC transfer system about, uh, things like grading and transferability and whether transfer agreements would hold, of course, is suddenly went online. The short answer is yes they should, but what we've done is we've set up a news page on the BC Cat website and I'm just putting the link in the chat now. And this is a page of news. From uh, announcements from individual institution and system wide news related to the COVID-19 situation and what institutions are doing to accommodate the changes as a result of that, it looks like most institutions, at least on the academic side of the House, are going to be completely or primarily online for full some institutions as was mentioned with commotion. Our 30 to go back partially in. Going back is I don't think it's a a big revelation for this particular group has been a particular concern for trades because of the elements of the upgrades and vocational programs that absolutely have to be done in person. So the news page is, uh, as they say, is stated as soon as we get information from individual institutions, there's a list of links to institutions own policies or announcement about changes, and we set this up as a resource for the for the system. This is articulation committee meeting season and we've actually done quite well in attending because we can sit in our offices at home and go all over the province. I've been attending quite a few of the trades. Uh meetings because were quite interested in how trades or uh or accommodating this and as was mentioned I think many programs are doing very well because they already had an online component or their nature of work is set at least three parts of the courses can be done online. But I would say there's also a number of trades in vocational programs who are third. I understand that they need to do some parts of their programs face to face and the students are wanting to do that. And, uh, as was mentioned with close and there's, uh, in most institutions there's a lengthy occupational health and safety process has to be gone through to be able to open a working space or a teaching space for students. So many institutions are struggling with which programs. Should be allowed to come back on campus and under what conditions? And? Uh, that's an ongoing process. The other major thing

that's changed since the spring update came out is that we've decided to put the joint annual meeting jam online this year because it was scheduled as the spring update says for November. But we don't know what things are going to look like in November, so we thought it was prudent to reschedule to re formatted. Now and put it online so it's going to be on the same date. Friday, November the six. Uh, we may run it over two or three days instead of a single day because being online gives us that flexibility and one good thing about having it online is that we can open it up to many more people. So usually we have one representative from each articulation committee attend, plus gas from articulation committees in other provinces and other articulation systems, as well as representatives from the various ministries that are involved with post secondary education. So we're hoping that we can put on some stations that will be open to anyone who's involved with articulation and make that part of jam. So I in a way we're somewhat restricted and what we can do by putting it online. But the upside of that is we can open up, open it up to many more attendees, and we usually have, so will be as we figure out how the schedule is going to work and what the schedule is going to consist of will be putting out announcements. Add to the system, probably through the articulation committee chairs and if you're available and during that time and it appears to work off that you're interested in sitting in on, they'll probably be room we're going to use the zoom program that's made available by BC net and apparently can accommodate up to 500 attendees at one, but we have lots of room, so it'll it'll be open to anyone who wants to participate. I think that's pretty much all that I wanted to mention, but I would be very happy to answer questions or about anything in the spring update or any of PC cats. Other activity. Thank you for that. Does anybody have questions for Fiona at this point? Alright then, let's keep rolling along then, and, um, normally we'd be stopping for coffee, but I'm assuming everybody has their coffee, so that's good. And, uh, so we're going to move right into the sharing session, and one of the things that we generally do at this time is to just open the floor up to conversation. That's a little bit more difficult. You might say under these circumstances, but I think we'll do our best there. So maybe what I'm going to do is I'm going to turn back to my normal screen here if I can figure out how to do it. And there we go. OK, back to the sharing screen so. Obviously these are unique times and the things that we're we're going through right now might not be the things that we planned for our programs at this stage, but a lot of the things they're carrying on as normal. I mean, we've heard from Bruce in their plans, are moving ahead. We have plans, I'm sure all of you have plans on where your programs are going to go. I think this experience, though, is probably provided some insight on maybe what the future might look like though, and I think that's a pretty interesting point at conversation. So maybe just to start things rolling, I'll just I'll. I'll just kind of share my thoughts for a moment and then we can see where the conversation goes. Obviously what our biggest concern is our students. You know, we're instructors, and we're basically servants to our societies. Write an our students have a need. We've been. Pretty careful about monitoring our students responses to to how we're presenting the program now and how they are seeing value in it, because obviously it's easy to say, yeah, we'll just put everything online, but is it actually accomplishing the same result? Is the student expectation being met an? I think happily, we're getting a very positive response. We're finding out that. In every any classroom there's going to be those who Excel and those who do a little bit poorly and a lot of people in the middle but um the online format seems to be a very strong dividing line some people just don't have discipline. And, uh, drafting technology is kind of a discipline oriented field, so I think it's actually spreading out the field to tell you the truth, where people who are students who are able to become disciplined and instruction oriented in detail oriented seem to do this very, very well. They love the instruction, they love. The Freedom would be able to work without distraction in the classroom, and their work is actually excellent. So we're finding that there's probably 75% of our students really love this. They don't miss the traffic. They don't miss the parking. They don't miss the cost related to all that. They love the fact that they're spending time working on it instead of driving back and forth. And we all know those three or four guys in the classroom that are loud. They take long breaks, they drag people off the McDonald's for two hours and melody. And that's not happening right now. So we're also finding that the other 25%, though ours, struggling quickly if they're not disciplined. They fall behind. They don't get their work done. They don't follow instructions. And and we're, you know. Obviously, we're making efforts to, uhm. To keep those people motivated and so forth. So I think that's where we're going to focus a little bit of our attention in the future, but we are finding though, that there's a very, very strong response from our students in that the large part, they, whether it's 100% online or they love the online components that were putting forward right now. So this has been a bit revealing to us and in our in our Department we have, you know, a number of people with various different. Experiences and and opinions as well too, and different specialties that we teach him. And so you know, I don't think one story fits all, but I do think we're finding that people are getting accustomed to technology to get in accustomed to these remote learning opportunities. I think Fiona alluded to the fact that more people can be involved from more remote locations as result, so we're looking at international students and remote learning now is being just the same as somebody living in the same city, so. I think the future is going to hold a lot of these components as being beneficial in education. A provincial education at the budget. Implications for this about building brick and mortar compared to in in putting technology into place. How many programs can be effectively and maybe better serving population through this type of format? And you know obviously vocational medical nursing. These people need these expensive institutions. You keep, you obviously have a large trades and Technology Division, and those courses are very expensive to put forward. Teaching history, for example, much less expensive to to lecture in front of the classroom, so I think we're going to see some pretty significant political considerations in the future on how education is shaped into the next decade or two, so I would be interested to hear other people's thoughts on that or their own experiences with their students and. And dumb I'll leave the floor open to any hood. Look to step in. And I'll answer came in here am I would agree with that. I think your number is a 75 percent, 25% for people who really loved it in Excel compared to some people who kind of followed along. And we're a bit of passengers and really needed that inertia an my my concern for the New Year and something I'll be focusing a lot with the group will be teaching. We have a 10 month cohort of 20 students and this year's group had already made the connections with each other and were able to support each other when we transitioned online. So in September will be focusing on trying to build those connections because there's a lot of learning that happens in the room between students explaining to each other, working with each other. Kind of building that dynamic with each other, whereas with online I found that it was individualized. A lot more kind of 1 on one between me and individual students, so there was, so I think like my like early stage kind of ideas about this is that there is a group of people who would love to just do online, and then I think there is a group of people who. Need this kind of face to face to have that sense of community with the people around them and to kind of prepare them for what it might be like. Having multiple people they're dealing with as they as a lot of my students are kind of High School graduate or first time in post secondary to try and get that the right mentality to go into the workplace and to talk to adults in a

team environment online or face to face. You know, to kind of go that way, but since a lot of industry by necessity is online right now, I think. Teaching online is preparing for the current situation. What's the situation like in 2021 is anyone's gas, but I feel like there's some. There's definitely an argument to be made that there is. It's like should maybe 2 streams available to students and we went on line and one face to face and that it would be, you know, some people would be a better fit for one style or the other. Thanks Amy. Actually I can add something to that too. What a man mentioned? Uh, I think we were fortunate enough that it actually in my classes we did have some on line courses because I have always believed that student drafting students need to get some. Remote working training, something that we don't have in our curriculum because working as an engineer I would sit in my office in Vancouver and I work with drafters based in Calgary or somewhere else in Canada. So I think there is some positive things happening by doing things online because we need to search training on how to communicate virtually how to work remotely. How to do time management remotely considering there like the its difficulties and its ups and downs? This is something I think we can. Mission as a positive point about working remotely, but on the other hand, keeping our classes interactive and get them state. Get the students engaged in the class activities is the biggest challenge, but I myself have always had because when you don't see the faces, you don't know what they do and the test an exam is going to be like more because we do lots of math in a structural drafting at VCT. When they write their mechanics of materials test. How can I monitor them so as an instructor it took me? Three times are actually in terms of the time I would spent on designing the test. I would have to design three types of tests or I would have to put some. Creativity is an monitoring, specifically the math. Quit exams for math courses. This is one of the challenges I have. An another positive thing was that we can track their submissions on line and the. This is great, so we this is part of like they learn time management rather than like. Submissions by like hard copy. Submissions to the drop box. Now they have to submit to soft copies PDF files and I think they also learn a lot from that. But again coming they learn alot communication from communicating from each other and that's the biggest missing part for the new students. They have no training on how to work remotely and we have never met with them. I don't know how we can. You know, uh, as as an instructor, how can we establish such an instructional bondings with their students? These are the things that I'm thinking about these days, yeah? I might jump in quickly just because the comment about the social aspects really interesting. We in my courses I use something like a forum blog. I I call it a forum helpline, but it's basically an open chat line that the students can ask for help and communicate with each other and end with myself on a live basis. So Moodle has got some good tools. Like I mentioned, big Big Blue button earlier that you can have an instant online meeting with anybody in your organization. Just like phoning them up. So I these are challenges aren't they? I mean there are some good tools out there and it's good to practice with them. I do find that. It's like buying into something the first time I get a class and and again this summer I'm teaching the summer right now, um, when you get one or two buying into using the blog, then a couple more, join a couple more. Join Thrall. Used to Facebook and everything else and and once they kind of buy into the social network. Suddenly, they're communicating independently in their forming those bonds too. It's much different than a classroom. But it's, it's, uh, there definitely are some tools to at least help to build that social bonding between classmates and the instructor. More than just sitting alone in a basement somewhere, right, obviously? Something. When we transition to virtual, we had some students that did not have access to Wi-Fi or good consistent access to Wi-Fi or a good computer. And, um, we also had some students who now had kids at home who also needed to use the computer. So they were very, very challenged. The ones who were set up independent did excellent and the other ones that the difference between them. Shouldn't have been that great, but it turned out to be a really quite sort of almost an economic disadvantages. What happened? So how to support those other students that are going to be in a remote location with some challenges for that is going to be sort of sort of my main focus for the fall and see if I can. The ones who were really, really struggling still didn't reach out even though I'm reaching out to have independent meetings with them. And let's talk about what you're doing. Let me look over your files. They still weren't doing it. There were two overwhelmed, they couldn't manage, and the stress, I think of all of that. Um, just it just bog them down. They just couldn't continue very well. Yeah, I can pick you back on that. That was our experience to this has become a liberating for some and a huge barrier for others. Uh, if you don't have the you know, let's say there there's three people sharing an apartment like where you gonna do your work all day? You know you can't do it in your bedroom. Or maybe you can. Maybe a lot of them can't. A lot of them. Can't just take over the dining room table. 'cause That's the only space in the room or it's a family you know and they're still living with, not just mom and dad by three or four other brothers and sisters. And they do. Just don't have a computer, they don't have the space. To sit there and learn and do their work for hours and hours every day. Because it's a significant portion of the living space for the family. So in some instances it really has become a barrier to education. Strangely enough, when we think it's going to be a freedom. I also think about the cohort. Uhm, you know we we like to mix our international students in with our domestic students and making a Canadian experience and the online virtual classroom doesn't allow for that. And so, how do we, uh, I know that the temporary that the immigration Canada has relaxed the rules a little bit, allowing for our international students to participate online for a percentage of the program? It hopes that we'll be back in person. But, you know, taking a full program from an international point of view does not give them the same. A student visa does not given the same access for a work Visa and what not, which is a big draw for a lot of people coming from somewhere else globally. It gives them an in and they can have the Canadian experience or the western experience. For example, you know I. We see some possibilities. We see some real definite. Openings for remote learning. You know our our neighbors to the North. They don't have to move down to the lower mainland for months or a year at a time and pay extraordinary rents. They can stay in their community and go to the Community Center and what not and work and learn from there. But you know that you know they still need all the infrastructure required. You know decent Internet being just one, one of many. Uhm, I know that, uh, in experience from our cohorts, is, they, um, they do establish lifelong bonds? Uh, you know, sometimes clicks have been used in a negative connotation, but in other connotations they're very positive professional Contacts that are established in the classroom college setting that last for their full careers. I'm still in contact with my. Click when I went through college, you know, uh, you know, uh, Victor is a big man. International been manager down Australia. Uh you know Aleah is a a full on construction project manager for a big outfit here in Canada, that sort of thing and we're still in contact when I bump up against a challenge. I usually get them get them a little call or or shoot them a line and say Hey if you come across this and even sharing like. Rabbit families for ships ladder. Something as simple as that, you know. We use these Contacts and these. Throat our whole career and so will our students and so replicating that online. It some. I don't know if it's going to be more difficult, but it's going to be different. Those are really good points, you know. Uhm, I suppose that changes a disruptive, isn't it? And and some changes are far more disruptive than others, and were, so

we're social animals, aren't we? We have friends. We go out, we have dinner. We do all these things. This is the world that we've grown up in and we got accustomed to even fraternities and so forth. They're all based upon a social environment that all of us here. Grew up with basically right. Uhm, I don't know that the experience will be the same for the younger generation to tell you truth. I don't know. I can see that there's going to be some major challenges related to this experience. None of us it. No one alive basically has has experienced it kind of disruption that we've seen in the last five months. Economically and socially and so forth. and I think there's going to be a big challenge not just for us, but right across the board on what is the new normal? What is the new social normal? What is the new fraternity normal? What is the new educational, normal and I think that working through the problems is going to create some solutions, but they may not be the ones that we grew up with and the social aspect is definitely going to be a huge component on. The experience international students, obviously huge component that their experiences being here in experiencing the culture. While our culture right now is sitting in our living rooms, isn't it? Which is not exactly what the promotional literature was was talking about, right? So yeah, this is a big problem. I think we were all going to have to be open to a new paradigm to a degree, but. The social aspect is maybe one that's out of our hands for quite awhile still. I would like just to add something to that, uhm? Which we are all kind of understanding this, but in the same time I think, uh, all of us, uh, you know, should collectively agree that we should look forward to, uh, not giving up on our old normal that easily. Uh, because if we do that then we are really changing the world completely. Maybe not, uh, for worst or for better, but you know, we're changing it and we don't necessarily need to feel that we are put in a position to choose, you know, one or the other. I think this is a temporary thing. Uhm, you know, and we should kind of strive to see how we can, you know, get back rather than how we can completely trans transform into a different life, because for us we at least you know any of us are. Kind of spend half of our life living normal so, but for any of our students or children? Uh, it's a horrific future if we give up on on, you know, our interaction right now. So I think it's up to each one of us not to just accept it as a new normal, you know, just try to work with what we have on hand to to get you know students back into classroom and you know, it's it's a completely different experience that. Being completely in a bubble, uh, because I'm sure it's not. Uhm, sustainable. For a long time, being in a bubble, we're not, uh, individuals. You know. How are they going to even meet anybody? Their friends, their future? You know wifes husbands, whatever you know, it's just the it's. It's a sad world if we accept to be in a bubble completely. Absolutely yeah, I'd agree with that. With Louisa I think I'm one thing that we're going to look at as well is I'm which way the industry goes. So um, obviously be online now, but if 50% of firms go back to being in the office just like they always were, then and then 50% decide that they want to stick to online or have some sort of hybrid of both. I think like it would make sense for education to try and model that. An interaction that they would have, but if everybody decides that face to face is the only money making way to actually do this. Then I think you know it makes sense for us to emphasize that with students. So it's almost like why we should listen to industry as well as our own experience to see what what the new normal ends up being in 2021 and so on. What a great point. I know we had practicum positions set up for some of our students and they were cancelled and so so a lot of the firms they put a hiring freeze on. And because you know there are everybody's working from home remotely and there was only literally a small skeleton crew at the office answering the telephone. And so how do you? How does affirm hire a junior and train them? 'cause it takes a year, year and a half before there? Useful, uh, before they can work independently so you know what did they do come over to, you know, come over to my house and work today. You know I can show you the standards. I mean literally. Like how does that work? You know? How do you hire junior and train them, You Know? And when they don't know anything? I mean we all like to think that our graduates after two years. No a lot, but really they don't know anything yet. You know they have to be hired by your firm and learn their standards, learn their conventions, learn their routines and. How do you do that remotely? It's tricky. Question then discussion. Because since we talk about practical, uh, it really impact us too. 'cause we have a diploma program with practicum in there, and we're fortunate enough in our Department to plays everybody on time. Fortunately, to certain companies, an quite British companies. They even doing on offer online practical right? That you don't want to open up the office or social distance. Saying that kind of reasons. How many employees in the company? So they offer online? We do have a few things actually go to the company. Construction program they have how we save the policy to go through with demonstrating with them how to deal with COVID-19. You know that kind of thing so, but the challenges we do have students come from Albert are online right which give opportunity to open up the market to the entire country, even entire world. So we do this come from Albert are so sketch one even Ontario not too many small percentage. But is it displays in German they graduate? We're still kind of scratching your head and how we're going to place this this in German from other provinces because we have four ability to place them in the lower mainland BC rank or not even anti busy. So from problems. Any suggestions from anybody how you know? One thing we can think of? We said maybe if you from our profits maybe you can make an effort to try to look up some company yourself. Typically is the obligation of the college to look up the company placed on that. Since there are problems, we say maybe you can make an effort to try and look up. Accompany yourself to see if you can find a placement yourself. I think, but that doesn't sit too well with summer students. So any suggestions anybody? Let's say our province or I would have. Yeah, really, we just don't have much of a solution at this point. So yeah, so just anyone. Any idea how can deal with this? Please. But you know what I think if. We have a coop program which is obviously suffering the same type of difficulty that we've been discussing. Right and. I think the problem is that no, you know our governments don't know what they're going to do a month from now. Industry doesn't know what they're going to do a month from now. You know, there's, I think the difficulty of making decisions while things are changing. Is that we don't know whether it's a good decision based upon these other factors. Our economies are all in real trouble right now, and so all the major players are holding their cards pretty tight on their planning. I mean, you know this big examples in small examples of all this everywhere. I mean, we go to Autodesk University annually, right? Well, not this year. There's there's 15,000 industry professionals who will not be mingling this fall right? And that's going on in every single place around the entire world. But everybody's plans are kind of change, so I think you know, we've talked about this amongst ourselves and keep you a bit and we're kind of at that stage. We're going to wait and see what else changes 'cause we're kind of subject to the government and were subject to industry, and I don't think they know what they're doing yet. So how how are we supposed to make plan if the people were serving don't even know what they're going to do 3 months from now so I know we're planning on basically trust trying to hold that an even keel and solve some of the social issues and I think those are the things that we can work on and Co op is gonna be tough because of industries not hiring they're just not hiring and on and they don't even know how they're going to mentor new people or when and unless unless the economy turns around they won't be hiring for a little while. So we have a lot of challenges. You know that to

respond to, and I don't think there's an you know. One simple answer because you know if you watch the news well, it seems to me nobody knows what they're doing. They're they're kind of struggling daily, and, uh, you know, I think you know we have additional challenges which for political that we have no say over at all. and I tell you, I do have one fear though, and my fear is that financially. A lot of companies in a lot of governments are going to be looking at the financial aspects and they will dismiss some of the social aspects as a result of decision making, and so they're going to look at it and say we just don't have the money. The municipalities in the provinces are really in a tough spot with tax revenue and everything else from the lower economic activity, so it's going to come down the pipe and if they see there's a lower cost way to deliver things, I tell you it's going to be very hard for those ministers not to make that decision to say. We gotta cut 5% across the board on all publicly funded education. Whether we like it or not, because we just don't have the money, so these are hard things and we don't know that that's going to happen in the fall. It keep you executive or or meeting weekly trying to figure out how do you make a budget in this climate are provincial and federal counterparts. Same problem, right? If you're working for a major Corporation or a small company, you have the same question. How do you make a budget for the next year? How do you make a forecast? So I think we're we're probably inclined to say. Um, what can we deal with curriculum we can deal with online delivery we can deal with the social aspect. I think we can work on that and try and create opportunity for social right? I know Ross had an experience now already of seeing what does it take to open up a facility. Maybe there's an opportunity to create common computer lab spaces that meet those protocols. Uh, and that that may be what the future is going to start to look like a little differently, for maybe for the short term. So how do we integrate social elements that get people together but? Under a protocol that the government's going to establish social distancing, you know all the cleaning. All the high cost elements of now operating a facility at 40% capacity. I think we've got some challenges bigger than we can deal with as BCD tag, right? But then we can kind of drive ourselves crazy on how to fix the world right now, but really, I think focusing on students is probably the most important thing we can do. How do we meet their needs right now? Is best we able to? And share that ability look if we have communication tools. I think our timing here for this meeting is probably great because we're trying to figure out how we're going to deal with September. And we're already experiencing some of the initial problems. The social problems, the contact, and even you know what I love looking over the shoulder of my students to watch their keystrokes to see if they're making fundamental errors to watch the calculations to see whether you know what I mean. I love doing that. I love providing a little bit of feedback that comes from actually watching them work. Did they take half an hour on a 5 minute problem? Well, I don't know that when they're submitting it online, do I? But if it there in the classroom, I can tell I can tell whether this drug Ling or they're getting too much help or there. Their work habits are poor or whatever, so you know. I think we have a lot of struggles in a lot of challenges, but I think we need to focus on what we can actually fix instead of the bigger problem, which is in much bigger hands than ours. Of course as well too. And I'm sorry just one thing to add as well. Like because we're kind of focusing on what's missing and the problems. One of the big one of the big advantages that we run into. I set up a two week I'm series of guest speakers between graduates in the program for the last couple of years, and different people in the industry principles and so on. And a lot of them were really open to having a guest speaker in a zoom call, so we'll just a matter. If they were sitting at their desk working away, they take an hour on the zoom call. They don't have to come to campus, they don't have to fight parking, they don't have to come in. So they were all very, very willing to do that, and that's something that I'm planning to use next year. Maybe have a weekly guest speaker. And now that everybody is kind of gotten used to this, I'm online and having a webcam and talking and it being normal to it to a lot of people. It might open up if you haven't used to have guest speakers from not just locally, but maybe even across the country or different parts of the world that would be would obviously never take a plane during it to Burnaby, but turn on the Internet and do a guest speaker roll. So I think that's kind of one of the. Plus is that I ran into the last couple of months. And actually those a guest speaker, some of them offered the job to our students. They got, it would be already got employment and we are happy about that. Yeah, and students had fun. All of them were in even those who had vanished. They were in the attendance. Speakers session Good point. You know, I, I just went through some computer issues. Um, my laptop was five years old and as you know I'm in computer world. That's ancient and so you know, I got myself a brand new souped up gamer laptop with men I got it's smoking hot. Put it that way and I'm and so. But this is kind of, you know. My mind is going. So what do we tell students in the future? That they do, they need to have better equipment. They are they. Do they need to be prepared to be a little more self sufficient? And this is a challenge right now I'm connected to my phone hotspot on data. Sitting in the middle of the mountains around Merritt, and so I know exactly what it is talking about. We didn't have any cell service until last year. Wow, my glad for two bars right now. I gotta tell you and so, but I've adapted, um, uh, you know I would, you know, I wish I had another year in advance, but we're working towards VR now. You know, there's things like the wireless units, you know they've come a long way. It's hard to say what are standard. Equipment is gonna look like in two more years, right? It might be a completely wireless, you know. VR connected gamer laptops that becomes standard operating requirements for cat operators. Because industry, you know what it's it's? Uh, it's hard to say what industry is going to mandate as the next way they're going to do business. And um, so even equipment has gotten much, much better than in the past. So these things are going to assist us as well. So if you want to do online meetings, we can. It's great point. What a great point. I'm taking that one back to. Our people will tell you that much. That's a great point about having visitors able to access and come in so quickly, so there's a lot of positives as well too. That we're going to be pushed to to come to address and maybe incorporate as well to come and I you know, I'm there still going to be that 25%. I think though, that are going to struggle with whatever we do, and I think those are the people that are. You know, we're probably going to spend 80% of effort on those 25% to keep them involved, right? Because the 75%? I don't even have to talk to them. They love it. They get in there. They look at it all. I'll sit in the things submitted an I haven't even spoken to them once and is done perfectly and I love them so they took no effort. But those 25% that are struggling with the whole dynamic of this the international students to people and maybe who don't have access to good Internet or good equipment or a space. Those are going to be issues we need to address as well as we're able to look to our institutions to help. I know cpiu is provided loaner laptops. Too many many students and to help them overcome that because obviously you know you got a student debt and no job and you say nugel by 1200 dollar laptop too just to finish your course very unfair and almost impossible right so there's a lot of adapting I think we're going to have to get accustomed to for the next little period and and. Well, there's a lot of positives too. I totally agree with that. I've been an online advocate for several years, and so I was actually very well prepared for this. Thankfully, because I've seen some colleagues wow the workload they took on to transition to this is a huge, isn't it? I mean, if you're like, you know, Bruce mentions. Guess what? Tomorrow? You're online. Wow. Thanks, there goes the weekend

right, but uhm, so huge challenge for many people and I'm sure they're not happy with the product they produced this spring. I guarantee it. I know a lot of people that it keep you another. They're not happy with what they produce. This spring. It was the best they could do on short notice. But come the fall, I guarantee you those same people are going to have spent hundreds of hours. Getting prepared for a better job they'll do in the fall now with all the things they've learned and I think we're going to be the same way. We're going to learn a lot and our product is going to get better as a result. We're going to learn to use all these technologies better, and we're addressing some real problems. But the future is going to look, you know, pretty technical. I think. Personally, I think we're going to find students that are, you know, whether they're from India or Kamloops or merit or from northern British Columbia. Their technology is going to be a great asset. Um, in this hole in this whole affair so. There's a lot of positive developing and think as we develop and move along. You know an we do eventually get back to some sort of new normal, uh, you know the integration of some online and some in person is going to really reflect what's going on out there. You don't want my first reaction when this thing started. You know, we've been considering doing more of this, and this is kind of like Momma Bird pushing the baby over the nest. You know, 'cause we did suffer from analysis paralysis. We were trying to have some sort of contingency plan for anything that have possibly go wrong. And the in the end of it we just went running around in circles for a year in years just waiting, you know? And this this really forced us to go and just trust that you want issues came up they would would find a resolution I was speaking with with another colleague of mine an there is something that I didn't think about that also with this covid it took all the risk away. 'cause a lot of people would and myself included, hesitated because we wanted it to go well. We are consummate professionals. And we wanted our class to be classes to be excellent and we were allowed now to make mistakes. We were allowed now to experiment. Because of Covid. You know, it was assumed an we were given permission. That it OK, it doesn't have to be 100%. If you do do do the best you can will develop it and if mistakes or things that you try don't work 100% it's OK. So it took the risk. Away, and I think for industry, you know, uh, with all their technicians, technologies working, working from home, a lot of them are going to consider you know why do we need 4000 square feet of office space when our employees are more than happy to work at home, like at least half of the time? You know, maybe we need half of the office space and have them come in one Monday and Tuesday and the other half come in Thursday Friday. You know, uh and so in a way we can kind of envelop that into our programs. You know, maybe we don't have to come into the college everyday. Maybe some days can be online days I'm gonna days can be in person days much like what they can expect in the new normal in industry so you know it's it's kind of exciting and you know it is certainly change things I don't think it's going to ever go back to the way it was. Six months ago. I totally agree. This has been really great and is there any other topics? Obviously, we could probably talk along time on this and which is Great 'cause the idea is I'm making lots of notes here, and, uh, I think we all share common concerns. And if Ed Common experiences here with this whole withhold this whole thing, and, um, I think we can help each other a lot more too. So you know, if anything, I think what I've seen anyways is that communicating with you guys here today has been very beneficial to me personally, and I'm going to take this back to our program and say, Hey, there's things we need. We can look at here and there's and, uh, so maintaining communication. I think ensuring ideas is probably a really valuable tool at this time. You know, maybe in the past, uh, once a year we got together 'cause Bruce is right. Hey, those wheels are spinning. You know we're talking and everything is going along just fine. But wow, we got lots to talk about. Now that that is really going to change what we do tomorrow. So we might want to consider the possibility of having you know. Maybe more time together to have a discussion like this just to see what's going on. These are extraordinary times, and so as chair I, I might even propose that we consider an extraordinary meeting in October just to touch base to see how we've made out. Since this discussion and what we've done in. Amber, uh, based upon our experiences because I think would be hugely beneficial to all of us and our students to benefit from our failures in our successes and our insights that we were receiving right now. 'cause I think that this is really unprecedented time and maybe we need to communicate just a little more often now to to help each other so. I might put that forward as emotion, then consider an extraordinary meeting in October, and if I could just jump in for a second, alot of the committees that I sat in on have found discussions like this very useful to have on a regular basis and a couple are meeting every few weeks. And the ones that you're meeting talking about things changing and realizing that may be different ways work as well. The once a year meeting is a convention, there's nothing to stop individual committees for meeting more often. If you want and if you notify us at BC, cat were happy to come and sit in whenever you decide to meet. So yeah, if if that would work for this group is beneficial, please go for it. Great, thank you. So it's it well, you know it kind of justifies at least couple of meetings here. Yeah, I agree I I Well, you can probably anticipate receiving a meeting invite and obviously this is. This is the the annual meeting, so it's probably a little bit more formal. But if, uh, if I set a schedule up for some informal meetings that you can join if you're available and your colleagues are invited to. Um, I'll probably send some information out in the next little bit, then just proposing something and maybe some potential dates or or and we can have a further discussion on that as well too, but I think it's probably a good good thing to do, and I think Fiona is absolutely correct, perhaps even more than you know once more. And uhm, so um, with your permission, I'll probably, you know. Put something together, put it that way. This let's go back to our agenda to see where we're at, and I know we've. Let me see where is that document again. OK, so that was great guys. I I I I've gained a lot from that conversation and then I could probably sit here and talk with you guys all afternoon. But we wanted, you know stick with some kind of the quorum here. So sorry, do you mind if I add us something to the task? Actually this is something I always try to bring up talking to the parents these days and the students. I think we are more we are doing more than online classes. We are doing more than just running. Online classes we're running virtual classes as long as we meet with our students. As long as we're doing live lectures, as long as we're doing zoom meetings, as long as we're actually doing everything just remotely, but virtually we are running our classes, but there the location has changed and it's a change to a virtual classes, so you know better. Maybe that on line courses are just something you you get the password. And then you never see the instructor on you. You see your grades. So I I have never found it like fair calling what we are doing on line. So the modifying this terminology and the application of this terminology I think starts from us as instructors and that's something I just wanted. I thought it's the best opportunity to bring it up. And yeah, thank you, that was all. That's a great point. and I completely agree. Just as an aside, um quality wrestled with defining it. They go. Oh, it's synchronous, know it's asynchronous, and we're going now. It's none of those things. It's whatever works to make it the best possible experience for the student and online does diminish what we're doing. I totally agree we're doing much more than online. That's a great. That's a great point. Thank you. We're at that point. Nominations for a new chair. So I I've sat in this chair for a little while now, and um, so um. A mile open up the floor for anybody to to open up nominations for a new chair. I just want to interrupt for 1

second. I just want to mention blue jeans as one of the platform that we use it right in college to deliver our classes and it wasn't mentioned by anybody else. So if you want to look into blue jeans it works good. It allows a screen sharing. It allows a good enough groups and uh, it's a pretty stable platform. Yes, thank you, that's true. And we use a LMS uh campus. Unlike assuming tamudo kind of thing and I think is using UPC as well and I sent you the use campus. Yes, Blue Jeans, jeans and campus. I think we're going to find these. These various platforms are also going to come up with great new tools. I think they're being tested very, very vigorously right now, so I you know, I think those kind of online support technologies are probably working overtime to compete for what they see is a huge new market potential, so I would I would probably anticipate all of these tools are going to get incredibly good over the next three 5, six months I would think. OK so um, thank you for all that. Uh, let's get back to the nominations though. So we need to nominate a chair. Everybody gets very quiet at this point in the meeting. So obviously nobody stepping forward I I don't mind saying I I would be. I'd be, uh, OK with continuing on his chair with your permission at this point. 2nd. I kind of thought that might happen. There is no escape. You wanna find job now? Not a problem. Um, OK, I accept that then. And, um, uh, so at this point I'm selection of a date and location of next meeting is important. So I think, uh, in the books we should set a date for the next annual meeting, which if I look at my calendar. Next year. I think come. Is the Wednesday fine for everybody? I don't like Friday meetings. I gotta tell ya. Um Wednesday the 23rd next June. Would be what I would propose. Sounds good. My June is wide open. Not golfing Mike. OK, well then uh, let's consider June 23rd, 2021 is being our next meeting date an I will put together a proposal for additional, um, get togethers? I wanna call the meeting I will. I will call him something now, and, um, I'll I'll. I'll send that around so you know that you're aware of the dates, but you can expect a series of invites. And please extend that to any of your other colleagues. Not in attendance today. And or other people who may be interested. Perhaps you gotta people from industry who would want to participate and provide insight. Maybe we could have a guest speaker or two to come in and let us know what's actually going on. So I think we can use some of these positives and to help us as well too. And so I need a motion to adjourn. Motion to adjourn Ammon will there we go? Thank you very much everybody and please stay safe and and uh enjoy your summers thank you very much for spending the time with this. Yes, my dear, I seen you all have a great summer. Bye bye bye. Are you still there, right? So yes, yes you have one quick question before I will sign off here after our 2nd I'm going to stop recording so that this portion is not part of the meeting minutes. OK no no problem