

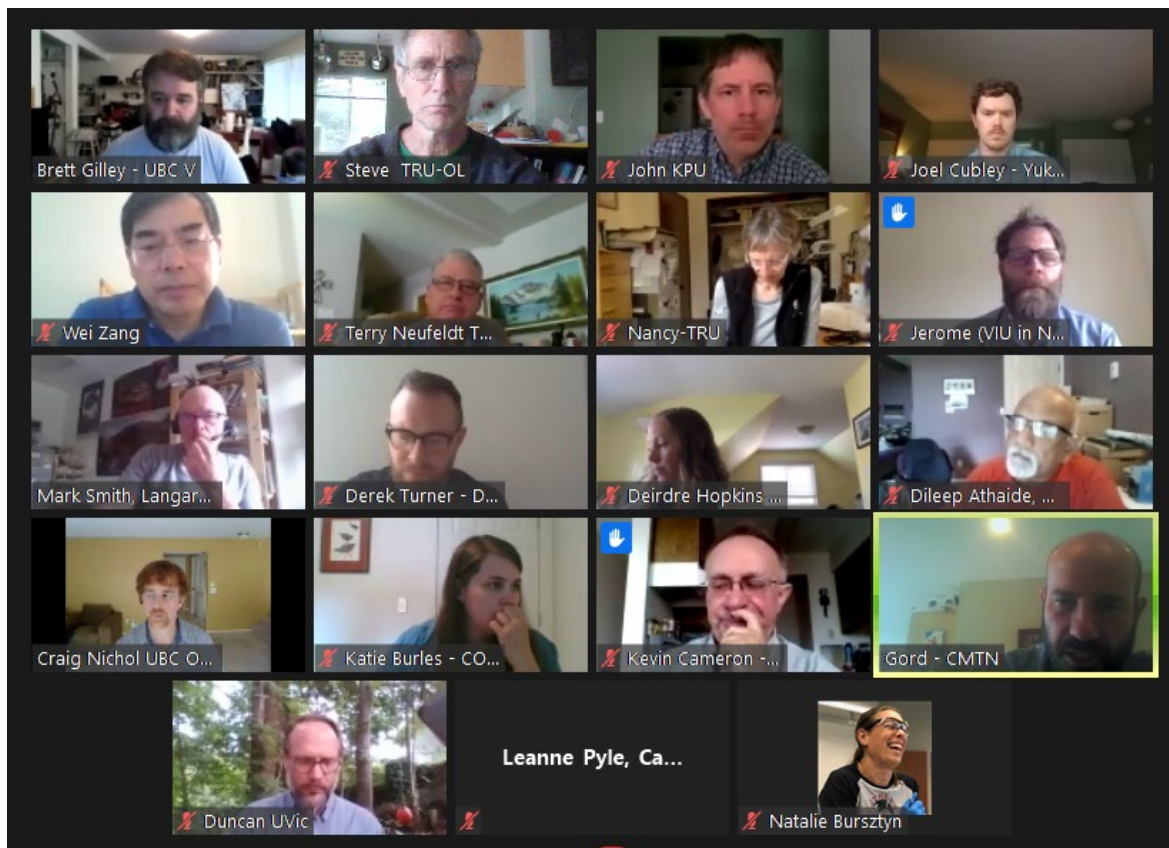
Minutes of 2020 Earth Science Articulation Meeting

Hosted by University of British Columbia, May 29th, 2020

Meeting called to order at 10:00 am (on Zoom), adjourned at 11:30, and reconvened at 1:00 pm until 2:30 pm.

Chair: Brett Gilley

Attendance: Wei Zang (Okanagan), Deirdre Hopkins (Selkirk), Gordon Weary (Coast Mtn.), Nancy van Wagoner (TRU), Joel Cubley (Yukon College), Brett Gilley (UBC-V), Craig Nichol (UBC-O), Katie Burles (COTR), Kevin Cameron (SFU), Jerome Lesemann (VIU), John Martin (KPU), Mark Smith (Langara), Dileep Athaide (Corpus Christi), Terry Neufeldt (TWU), Derek Turner (Douglas), Duncan Johannessen (U. Vic.), Steve Earle (TRU-OL), Natalie Bursztyn (Quest), Leanne Pyle (Camosun), Tim Stokes (VIU)



(Contact information for attendees is provided at the bottom of the document)

1) Approval of the agenda: carried

2) Approval of the minutes from 2019 meeting: carried

3) Indigenization of the curriculum Last year's discussion (see summary in "Indigenization Discussion Summary 2019.pdf"). Further discussion postponed until next year

4) Institution reports

Most institution reports were submitted prior to the meeting and were not summarized at the meeting. Some issues arising from the reports are as follows:

- a) Quest is participating in Earth Sciences articulation for the first time. We welcomed Natalie Bursztyn, who reported that Quest's future is to be decided this summer.
- b) Yukon College is now Yukon University. The former Geotechnician program has been scrapped in favour of a 2 year Earth Science diploma program. Yukon U. is working with VIU on a block transfer agreement so that students can go directly into 3rd year at VIU.
- c) Jerome reported that UBC-V Physics and Chemistry are breaking some articulation agreements associated with labs and forcing students to take an extra lab course at UBC.
- d) Craig stated that any issues regarding articulation to UBC-O can be sent directly to him.

5) Field School compilation

Steve described a data entry document for institutions to input the details of their field schools into a database that will exist online. Some suggestions for minor changes were provided. The document will be placed on Google Sheets.

6) Labs and field trips during the pandemic

There was considerable discussion regarding the difficulties and opportunities associated with offering labs and field trips while we are still under COVID restrictions.

- a) Derek described a number of options available for virtual field trips around BC and elsewhere. These are summarized in a document sent out prior to the meeting. Derek is continuing to build up an inventory of virtual field trips from around the province.
- b) Steve described ways to get students into the field on their own to find specific rocks (and describe them) or to look for and describe other features, such as weathering, depositional basins, slope failures etc.
- c) Natalie spoke about using Google street view to get students to observe and describe road-side outcrops or other geological features. She reported that in some cases students made

better observations from “street view” than when actually in the field. There is virtually no limit to the number of potential sites that could be studied using “street view”, including many off-road locations in popular hiking areas.

d) Several institutions are planning to offer socially-distanced in-class labs in September. VIU is requiring faculty to create plans for any face-to-face instruction (Tim). Numbers will have to be kept low, so there may be many small sections of rolling labs (Katie). In order to limit time in the labs SFU will provide pre-lab introduction videos (Kevin).

e) Katie reported that Geography instructors from several institutions are collaborating to create labs and other curriculum that can be used while under restrictions.

7) Exams during pandemic

There were various suggestions about best practices for holding exams while under restrictions. Natalie has been using open-book exams. Kevin has used randomized multiple choice exams (with randomized answers as well). Tim has done one-on-one oral exams and group exams. Another alternative is Proctorio. At TRU OL most exams are now done through Proctor U, which provides remote invigilation.

8) BCCAT report (they can't be at the meeting this year)

- a. News (see “2020 Spring Update rev.1.pdf”)
- b. Pending approvals (see EARTHSCI-PENDING-2020.xlsx)
- c. Reviews of active agreements (see “Earth Sciences Agreements Review 2020.xlsx”)

9) Chair rotation

Brett will continue as chair for this year.

10) Upcoming articulation meetings

Katie will host a joint meeting with Geography at College of the Rockies in 2021. There was some discussion about timing for that joint meeting because many from Earth Science cannot make it in early May, which is when Geography typically meets.

Mark has offered to host at Langara in 2022.

Minutes by S. Earle

2020 Earth Sciences Articulation attendees

Institution	Name	e-mail
C. of the Rockies	Katie Burles	kburles@cotr.bc.ca
Corpus Christi C.	Dileep Athaide	dileepathaide@gmail.com
Coast Mountain C.	Gordon Weary	gweary@coastmountaincollege.ca
Douglas C.	Derek Turner	turner.derek@gmail.com
Kwantlen Poly. U.	John Martin	John.Martin@kpu.ca
Langara C.	Mark Smith	masmith@langara.bc.ca
Okanagan C.	Wei Zang	wzang@okanagan.bc.ca
Selkirk C.	Deirdre Hopkins	dhopkins@selkirk.ca
Simon Fraser U.	Kevin Cameron	kjc@sfu.ca
Thompson Rivers U.	Nancy van Wagoner	nvanwagoner@tru.ca
Thompson Rivers U. - OL	Steve Earle	steven.earle@viu.ca
Trinity Western U.	Terry Neufeldt	terry.neufeldt@twu.ca
UBC - O	Craig Nichol	craig.nichol@ubc.ca
UBC - V	Brett Gilley	bgilley@eoas.ubc.ca
U. Victoria	Duncan Johannessen	duncanj@uvic.ca
Vancouver Island U.	Jerome Lesemann (morning)	jerome.lesemann@viu.ca
Vancouver Island U.	Tim Stokes (afternoon)	tim.stokes@viu.ca
Yukon U.	Joel Cubley	jcubley@yukonu.ca