

The Health Educators' (THE) Group
Anatomy, Physiology, and Pathology Articulation Meeting May 4th -
5th, 2023 Nelson, B.C.
(Online via TEAMS - invitations thru email)

Minutes

Meeting Coordinators: Michael Kiraly (Chair), James Nicol (Host) and Dave Allen (Web Manager), Sandra Milligan (Minutes)

Attendance online: Bassam Nyaeme (BCIT), Sue Sanders (VIU), Zoe Soon (UBCO), Bill Luke (TWU), Farhia Kabear (VIU)

Attendance in person: Rob Fleming (BCCAT), Godwin Ponuwei (Northern Lights College - NLC), Lynette Sigola (Douglas College - DOUG), Jessica Card (College of New Caledonia - CNC), Bruce Clarkson (Vancouver Community College - VCC), Rob Tillman (College of the Rockies - COTR), Michael Kiraly (Kwantlen Polytechnique - KPU and Capilano University - CAPU), Sandra Milligan (North Island College - NIC), Kathy Bockhold (Okanagan College - OC), Michael Gaetz (University of the Fraser Valley - UFV), Allison Alder (Selkirk, Systems Liaison Person), James Nicol (Selkirk), Dave Allen (Coast Mountain - CMTN)

Institutions not represented: UBC, UNBC, TRU, NEC, LANG, CAMO

Day 1: Thursday, May 4th

8:30am – 9:00am

1.0 - Snacks, social, getting signed in, technology troubleshooting.

9:00am – 9:40am

2.0 - Call to Order

- 2.1 - Opening Remarks from Chair: Welcome and thank you for travelling. First time we've been F2F since 2019.
- 2.2 - Introductions - alphabetical A to Z by institution, Good News.

9:40

3.0 - Approvals

- 3.1 - Approval of 2023 Agenda. Added 7.4 Preventative Health Measures in Post-secondary education
- 3.2 - Approval of 2022 Minutes. M/Bassam, 2nd Godwin. Addition to the minutes on page 3 in the section on discussion of benefits of online labs: add: "access to people in rural locations, including First Nations" as an additional benefit of online lab delivery.

9:50

4.0 – Communication Officer

- 4.1 – Thanks to Dave Allen for setting up the website for loading Institutional Reports and sending out the link to the group. It was easy to load reports.
Group agreed that it would be useful to have course outlines. Plan to have institutional folders where each current year's report and course outlines are loaded.
Action: Dave to create a folder for each institution and send a link to the group.
Action: Each representative to load articulation reports and course outlines, replacing reports each year to maintain currency. Group in agreement.

10:05 – 10:15 Further discussion on agenda and potential for more social time.

10:15 – Coffee break

10:30

5.0 –Overview and update on BCCAT activities: Rob Fleming (BCCAT)

5.1 and 5.2 -BCCAT presentation:

See BCCATs Spring newsletter here: <https://www.bccat.ca/pubpages/SpringFallUpdates>

Resources for New Members. The Articulation Handbook from 2018 is being updated. All Articulation representatives should read this:

<https://www.bccat.ca/pubs/Resources/Companion2018.pdf>

Question from Zoe about funding for articulation. Rob notes that each institution receives funding to send members to articulation, but is not directed about how the funds are disbursed.

Articulation meetings should have hybrid options available now and going forward. Each program has a responsibility to send a representative. Minutes of meetings are public and shared with all institutions for their use.

BCCAT Activities

- Facilitates articulation agreements, e.g., if you ask for one particular transfer agreement to be put in place, they'll ensure the course
- Reports are provided so institutions can track student movement between your institution and others
- Provide information for students for transfer and planning
- Created a widget that allows real-time data onto your website from BCCAT site; see TWU Transfer portal to see an example of how it works; contact Rob if you're interested
- International and interprovincial transfer agreements are being established; high profile provincial initiative – has led to 80,000 additional transfer agreements in the past few years
- ABE integration into BCCAT Transfer Guide
- Future Ready provincial initiative announced last week: build out pathway tool, facilitates ability of students to map their courses to program requirements. First roll out for Engineering programs.

Current Research – see this site for current publications: <https://www.bccat.ca/Search/Publications>

- <https://www.bccat.ca/intro/REASStudentData> Working on changes to the application process for BC Student Education Planner to ensure information is collected ethically (e.g. current requirement for gender information)
- [Survey of Student Mobility](#) – data collected in 2019/2020 is available in useful publications
- [Surveys of Student Experience during the Pandemic](#) – will help to determine how processes might need to change to adapt to changing students

[Joint Annual Meeting](#) Nov. 2-3, 2023 is available fully online and hybrid in Vancouver; material is available in video form on their youtube channel

[Special Project Fund](#) is for Articulation Committees to do research:

[Student Transitions Project](#) Data . Could look at performance of students in one course (e.g. first year biology) and compare their outcomes to students from other institutions.

[Digital Learning Strategies](#) resource is available on the Ministry website. It is a policy document at this point but will be developed to provide resources to instructors.

6.0 - Institutional Reports (1st half in reverse alphabetical order ~5-min each max please).

- VIU Sue Sanders; five sections, 101 students → 82 = higher failure rate than pre-Covid. Exams are in person but quizzes online. Using Saladin and its Connect online resources. Hiring for section in Cowichan. Looking for approval to separate lecture and lab into different courses. Could happen for Fall 2024. While labs were delivered F2F, still had required online lab components on Connect; e.g. do the microscope simulation before students come into lab.
- VCC Bruce Clarkson. Student numbers are similar to pre-Covid. Provide an online option due to student demand. All labs F2F with four hour lab. Students work on their own, online sessions are for going over tougher sections. Online lectures are scheduled. Three x 25% exams done in the lab time + 2 lab quizzes. Will be starting an asynchronous lecture + F2F labs in one week this Spring.
- UNBC Absent
- UFV Michael Gaetz: eight sections around 250 students in KIN 170 Anatomy, many sessional instructors so have challenges with consistency. 50% Failure rate, lowest ever. KIN 270 Physiology has 144 students, better completion rates. 80/20 F2F/online delivery option is the institution standard. HSC I/II are the ANP courses for Nursing and Nursing faculty took over teaching those courses.

12:00 – 13:00 Lunch and informal chat. Meeting resumed at 13:17

- UBCO Zoe Soon: Kinesiology courses are now split into three separate courses. Zoe received funding for one course release to prepare an Open Source text for Pathology. UBC is moving toward 100% Open Source texts and does not allow required purchase of publisher online resources. The text will have “narrative medical” structure. Project needs more funding for completion. Also developing A&P resources – please contact Zoe to be involved in review and feedback of those resources.
- TWU Absent. Bill said hello at the beginning of the meeting.
- TRU Absent.
- SELK Nursing program went to competitive entry last year. Getting many students in class who are in the program, rather than on the waitlist, so failure has larger consequences in terms of program seats. Housing is an issue, leading to people living in the parking lot. Residence is being built in Castlegar. New Practical Nurse program in Trail. New administrators in many positions. Rural Pre-medicine program is full and waitlisted (20 seats). The program has produced many health care providers who live in the local area: seven doctors, five pharmacists, five optometrists. \$4million in funding secured for next four years from Doctors of BC and Joint Standing Committee on rural issues.
- OC Kathy Bockhold: OC lost its Nursing program to UBCO. Lost ANP and pathology courses and 11 faculty at OC lost their jobs. Some retirements. Condensed spring/summer courses run over six weeks each. Delivery was hybrid 21/22 but went to F2F in 22/23. Cyber attack shut down everything: classroom entry, moodle, shared drive.
- NLC Course is for nursing and UT students. Delivery is F2F. Increased enrollment with help of a new Dean. Godwin asked about lab grading and ideas to reduce time spent grading. He tried a “group” assignment, but students weren’t always happy with that assessment.

Suggestions included:

- group self-grading.
- Online submissions and use of online grading tools with the LMS
- Use quizzes rather than written assignments
- Use questions that ask for reflections on their learning experience
- Oral examinations
- Video
- ungrading

NIC New Island Pre-health Advanced Diploma (3-year program) starting in Sept. 2023 with a cohort of 16 students.

Delivery in 22/23 : F2F lecture in the Comox Valley, synchronous online lecture for Campbell River and Port Alberni campus, F2F and online labs. Students can choose whichever delivery for lecture/lab they want. Delivery in 23/24: as above with no online lab, and asynchronous online lecture – will have some scheduled time.

NEC Absent

LANG Absent

KPU Michael Kiraly : Lecture delivery is flipped, F2F session covers tougher concepts. Labs are completed independently by the students and they book a ‘testing’ time to give oral exams. In more detail: two chances are given for the oral exam; if they fail the oral exam, they lose their quiz mark (worth 3%). Has been doing this for five years. Discussion of challenges with students who do not appear to have the prerequisite knowledge. Good discussion of the need to share with students the relevance of the lab activities.

DOUG Lynette Sigola : 1000+ Students in the first term of ANP, enrolment decreased slightly. All F2F delivery except Bio 1104. Lynette asked how post-probationary evaluation occurs at other institutions. Input:

- UFV has evaluation every three years;
- COTR – no evaluation
- VCC – did it 10 years ago and it was weak
- CNC – PD funding is starting to be linked to evaluation
- BCIT – three-year evaluation cycle in the Collective Evaluation (student, peer, manager) + student evaluation every semester; sessional instructors are evaluated every semester
- NIC – no evaluation by administration; many instructors do their own course evaluation.

COTR Rob Tillman : Delivery is all F2F. Numbers have gone up due to increased Nursing program cap. Competitive intake related to a well-qualified cohort. Second year students did not achieve the same level of achievement.

CNC Jessica Card : Changing their lab manual to Marieb; may write their own lab manual in the future. Increased international and non-science major students taking BIO 130 as a no- lab science course; those students don’t typically have the same preparation and have low success. Have two F2F sections and one online section. Waitlisted Intersession for a non-lab class means they may open another online session, leading to students in the same course having either an invigilated in person exam or an uninvigilated online exam. Admin has said all exams for online courses must be online and in person invigilation will not be an option. Dental Hygiene has added ANP as a prerequisite for admission.

- CMTN Dave Allen: (covered on Friday morning) No major changes. Nursing teaches Pharmacology. Will be using Open Stax for ANP next year. Lab space in renovation so ran labs at the local middle school. Deans have changed.
- CAPU Michael Kiraly: two courses. Two meetings x 1.5 hours, labs 3 hours. Three quizzes (20% - drops one worst quiz), midterm, final exam (30%) Enrolment has been maintained, but has 80% international students. Bimodal distribution. Low enrolment in 2nd year Patho – first year bio is a requirement.
- CAMO Absent
- BCIT Bassam Nyaeme: ≈100 students; all F2F. New president. Regular challenges from the Nursing department to take over delivery of the course. Question about delivery, which is integrated lecture/lab theory/practice intermingled.

Themes:

- Bimodal grade distribution is new, with more students failing.
- Increased number of people accessing accessibility services

4:00pm – Adjournment and Museum Tour

Day 2: Friday, May 5th

9:00am – Started with report from CMTN (see above)

9:15

7.0 Election of Officers for 2022/2023.

7.1 - Review of positions and length of term.

Have had three-year terms in the past and it has worked well. Co-Chair is vacant.

7.2 – Chairperson - Michael Kiraly’s term ends in 2024.

7.3 – Communications Officer - Dave Allen agreed to function as Co-Chair and Communications Officer for the next year.

7.4 - Recording Secretary. Sandra Milligan is recording secretary for 2023. In 2024, the host institution should be asked to provide administrative support in the form of a recording secretary.

7.5 - Systems Liaisons Person (SLP) – Allison Alder is the SLP for The Health Educators starting 2023 and for the future. The SLP attends the Joint Articulation Committee if the Chair cannot attend.

9:55

8.0 - Meeting time and Location for 2024

Zoe Soon at UBCO has offered to host, if supported by UBCO administration.

All agree to have our meeting on the Thursday and Friday in the first week of May, ideally adjacent to Biology Articulation and BC Bio with the intent to reduce carbon footprint and travel costs by allowing one representative to attend all three meetings.

BCCAT’s Rob Fleming explained yesterday that articulation meetings should be delivered with a hybrid option going forward. Chair to strongly encourage in-person attendance by one person from each institution. Others are welcome to attend virtually.

Group agreed that one day is insufficient to cover all business. However, a professional

presentation or workshop on the second day would be useful for more professional development.

9.0 – Discussion Items

9.1 – Lecture – assessment invigilation

Many institutions have a mix of F2F and online lecture delivery.

VCC is doing online lecture delivery with invigilated exams in the F2F lab time.

CNC online lecture in Fall 2023 will have no invigilated midterm or final exam due to lack of support from administration. NI C has only final exam invigilation and no support from administration for in-person midterm invigilation.

Action: Sandra to draft a letter for Michael that includes a statement that the Health Educators Articulation group requires in-person invigilation of midterms and final exams.

Lecture – hybrid delivery with some online and some F2F in the same section

CNC, VCC, UFV, NIC did various forms of this delivery mode with students needing to do their work on their own time. Variable success, with many students not doing the work, and others taking advantage of sessions to explore topics more deeply and practice concepts.

Discussion about negative impacts on instructors when they have no student contact. Online delivery lacks the non-verbal classroom communication that allows instructors to identify students who are struggling and those who are excited and have their own stories to share.

Discussion of student expectations of 24/7 response availability, challenges with student IT support.

9.2 - Intellectual Property

Discussion about ownership of online course curriculum. Some instructors have their own websites for course content that they pay for.

9.3 - Labs

Number of labs: THE Group has a “Best Practices in ANP Lab” document from 2015 with recommendations of nine labs per course.

NLC 9 + 2 exams, DOUG 11 + 1 exam, CNC – 8 + 2 lab exams, VCC – 9 core + 3 optional, CAPU – 8, KPU- 10, NIC – 9, OC 8 + 2 exams, VCC – 8 + 2 exams, SELK 8 + 2 exams, CMNT – 10 and 9.

Grades in Lab: Discussion that students have higher marks in lab than lecture, which can be challenging for students to understand. Suggestion to approach the lab as the “learning activity” and open-book assignments, which should allow for quality work and high grades as part of the practice for closed-book assessment.

Lab attendance policy: CNC, NIC have three missed labs = failure. DOUG – students must complete 6 of 11 labs.

9.4 - Student Evaluation of the Course

KPU uses survey monkey for the course evaluation that is open to the public, can respond multiple times.

VCC and DOUG have surveys delivered through institutional research department that are shared with instructors. Have very low response rates.

9.5 - Anti-plagiarism strategies, e.g. ChatGPT.

Need a massive rethink of our assessment. All agreed that writing skills are needed, but that written work is fraught with challenges around plagiarism and time spent policing. Strategies include:

- In-person invigilated exams as the assessment tool with the highest grade proportion (more than 50% of the final grade) and should have policy that requires a passing grade in the invigilated exam average to pass the course.
- Oral examination
- Videos – 2-minute videos took the students an unreasonable length of time to produce

- Ask reflective questions or metacognition questions; e.g. which learning activity was most helpful to your learning of topic x.
- Allow ChatGPT, but have students critique the ChatGPT answers
- Ask students to develop exam written questions and answers
- Ungrading – no one had any support for this approach

9.6 - Human Anatomy and Physiology Society

Strong encouragement to all instructors to get a membership and attend a conference if possible. It is costly, but member benefits appear to last longer than a year, <https://www.hapsweb.org/page/Membership>. HAPS website has subject specific supports including learning outcomes, learning activities, position papers, teaching tips, research on pedagogy, professional credentials.

9.7 - Preventative Health Measures in Post-secondary

Lynette shared her concern for ventilation and the need for safe, healthy spaces for people in our institutions.

Discussion of the need for science literacy

Recommended resource: *This Week in Virology* on youtube <https://www.microbe.tv/twiv/>

10.0 - Motions from 2022 Meeting:

As all institutions are delivering lab F2F so there is no need to discuss online labs.

11.0– Finance Report

THE Group has a bank account with a small amount of cash that can be used for social events. These funds are from the time when the meeting was paid for as a group, with attendees paying set costs for all accommodation and meals as a lump sum.

12.0 - Nominations to T.H.E. Group Honor Roll.

Retirees from THE Group can be invited to evening social events.

Adjournment at 12:40