

Minutes of The Health Educators (T.H.E.) Group Articulation Meeting

Prince George, B.C. (College of New Caledonia)

May 4 – 6, 2014

Present: David Harper (Chair) – University of the Fraser Valley, Susan Sanders (Past Chair) – Vancouver Island University, Tyler Bassett – College of New Caledonia (host), Gordon McIntyre (Acting Recording Secretary) – Vancouver Community College, Blythe Nilson – University of British Columbia Okanagan (Biology Committee Chair), Mike Winsemann – BC Council on Admissions and Transfers (Tuesday only), Bryan McCready – Elsevier Publishing, Larry Anthony – Camosun College, Betty Mosher – College of the Rockies, Ann Meitz – Capilano University, Cheryl Tautorius – Douglas College, Jane Hobson – Kwantlen Polytechnic University, Pat Thomas – Kwantlen Polytechnic University, Pooran Qasimi – Native Education College, Aisling Brady – North Island College, John Krisinger – Northwest Community College, Ellen Pedersen – Okanagan College, James Nicol – Selkirk College, Zoe Soon – University of British Columbia Okanagan, Anne Sommerfeld – University of Northern British Columbia

Regrets: Robin Tillman – College of the Rockies (Website Supervisor), Marja de Jong Westman – Capilano University, David Kojwang – BCIT, Paul Sanga – Langara College, Marti Harder – Nicola Valley Institute of Technology, Grahame Rainey – School District 74 (Prince George), Tony Layland – Simon Fraser University, Karen Ross – Thompson Rivers University, Bill Luke – Trinity Western University, Robert Harris – University of British Columbia Vancouver, Sandra Houndza – University of Victoria.

(Note: the minutes are presented in the same order as on the agenda, although a few items occurred out of order to fill in around breaks and meals)

Sunday, May 4th – arrivals and introductions.

Monday May 5th, 9:00 a.m.

1. Greetings from the College of New Caledonia and Darlene McIntosh, an elder representing the local first nations.
2. Call to order and opening remarks by Dave. Introductions included a welcome to a number of new members and regrets from persons unable to attend. Dave outlined the areas that he wanted to focus on during his tenure as Chair:
 - a. increasing the participation by member institutions, especially those that have not sent representatives for some time;
 - b. encouraging representation from First Nations institutions (e.g. NIC, NVIT)
 - c. articulating more upper level (3rd and 4th year courses) and more pathology courses; and
 - d. continuing to explore methodologies that foster student success.

3. Approvals

- 3.1. The agenda was approved with BCCAT items moved to Tuesday. It was agreed that timing of items on the agenda would be a very rough approximation only. Moved John Krisinger, seconded Betty Mosher.
- 2.2 The minutes were approved. Moved Sue Sanders , seconded Blythe Nilson.

4. Articulation Reports.

Camosun College. Larry Anthony. Anatomy and physiology are still being handled separately at Camosun. Anatomy and Physiology for sport continues to grow but is having some issues around student success. Biology 152/153 has 173 students but is essentially limited to nursing students. The number of nursing students was officially reduced from 180 to 160 due to budget cuts although some oversubscription occurred to boost the nursing A&P numbers. Anatomy and Physiology for sport had 132 students in the first half (anatomy) but only 72 continuing on to the second half (physiology). General anatomy and physiology is open to any student and had another 170 students in the first half with 52 continuing on to the second half. Camosun also offers two semesters of Pathology for nursing (176 students took the first half and 162 were in the second half) and a general pathology course (16 students). A microbiology course for Dental Hygiene students had 24 students. The dual credit high school/college courses are now taught by Camosun instructors. There are about 700 students in these courses across all disciplines but only 30 to 40 in biology. Students need Biology 12 and English 12 to take the dual credit biology course. There are issues with textbook use for the Anatomy and Physiology course as the only official text currently is the Anatomy and Physiology Coloring book, although instructor materials are also provided to students. Like other colleges, the nursing program at Camosun is looking to add more science content to their program.

Capilano University. Ann Meitz. Biology 112/113, their A&P courses have about 85 students, with about 75 of those continuing into the second half. Biology 104, a human biology course for non-majors is similar to Biology 12 and has about 120 students. Students who complete Biology 104 can move directly to Biology 113. Only about 10 students attempt this and 6 made the move successfully this year. Still planned are courses on Brain Anatomy and Pathology, but these are on hold due to lack of funding. The university has been heavily hit by budget cuts, which amounted to a 5 -7% cut in all departments, with some departments cut completely. Adult Basic Education courses are now offered only at the North Vancouver campus.

College of New Caledonia. Tyler Bassett. Enrolment for A&P 1 and 2 last year were 120 and 94 students respectively, a drop from the previous year. Biology 130 is an A&P course for practical nursing with an enrollment of 20 – 40 students last year.

They are using Biopath monitoring systems for lab activities. Health sciences biology is doing well, but general university transfer biology is struggling somewhat.

College of the Rockies. Betty Mosher. Anatomy and Physiology 1 and 2 are still using the Marieb text. Enrollment was about 48 students last year in the first half and 40 in the second half. The course is open to all students and includes BSN students, Human Kinetics and others. Pathology 1 and 2 had 27 students. COTR experienced no budget cuts for this upcoming year. The nursing program is still using the CAEN curriculum for one more academic year 2014-15. Students transfer to UVic for completion of their last 3 semesters to finish their degree.

Douglas College. Cheryl Tautorus. Rapid growth in Anatomy and Physiology courses continues. Last year Biology 1103/1203, A&P for health science students had 1036 and 666 students, 1105/1205, A&P for therapeutic recreation, had 30 students each, while 1109/1209, A&P for sports science students had 296 and 148 students. Tortorra is used for the nursing and sports sciences versions of the courses, while Marieb and a problem based learning approach are used for the therapeutic recreation courses. A course in pathophysiology had 296 students and an introductory microbiology course for health science students including a lab component had 308 students. Biology 2400, a general one-semester microbiology course had 28 students. RN students take Biology 1103/1203, pathophysiology and introductory microbiology. There are 2 intakes of 60 students each per year. Psychiatric nursing students take 1103/1203 and introductory microbiology 2401. No cutbacks are occurring currently.

Kwantlen Polytechnic University. Pat Thomas and Jane Hobson. 1160 and 1260 (A&P 1 and 2) have 176 and 154 students each per year. Tortorra is the textbook. The programs have been moved to the Langley campus and still have open labs. The university is looking at moving to an unassigned 1st year program with students not moving into specific programs until 2nd year. The BSc in Health Sciences is still a work in progress. It will include four courses at the third year level in topics related to A&P. The degree launched this past year but only the first year courses have run so far. Kwantlen is currently hiring instructors for this program. As of now, there is no available lab space for upper level courses. There are no specific job targets for graduates but they could move into assorted professional programs. Budget issues at the university are unclear. There have been no section cuts in biology but English as a Second Language go hit by cuts.

Native Education College. Pooran Qasimi. Anatomy and Physiology I and II are being planned for 50-75 students each. They use Saladin as a textbook. There are only 10 students in the first offering but 24 have applied for this fall. The college plans to run the courses 3 times per year. The college is private but non-profit and gets project based funding only. They lost one third of their core government funding, moving from 3 million dollars down to 2 million. The A&P courses have the same prerequisites as at VCC.

North Island College. Aisling Brady. Enrollment has decreased slightly as nursing admission is now GPA based and students don't have to A&P before starting the program. Biology 159 is A&P for practical nursing; Biology 160/161 had 144 and 128 students respectively. Biology 260/261 are Pathophysiology, which is required for nursing. These courses had 32 students each. An introductory microbiology course had 10 students. The college has just launched an exercise and wellness program. Students in this course will also take Biology 160/161. A distance version of the course is being considered but there are questions about how a distance lab could be done. One consideration was to use robotic microscope facilities. The college has experienced some cutbacks due to budget issues. 1 or 2 sections in ABE math and science were lost. Astronomy is also gone.

Northwest Community College. John Krisinger. Biology 131 and 132 (A&P) had 36 students each. They are using Seeley for a textbook. Biology 133 (applied microbiology) had 35 students, Biology 220 (pathophysiology) had 14 students, Biology 221 (pharmacology) had 12 students, and Biology 222 (nutrition) had 17 students. The college currently accepts 24 students into 1st year nursing per year. Second year science courses have been restarted.

Okanagan College. Ellen Pedersen. Biology 131/133 (A&P) had approximately 170 and 135 students with another 40 students in the summer session. The current textbook is Marieb. These courses service nursing, dental hygiene and human kinetics. Biology 231/234 (pathophysiology) had 40 and 30 students with another 24 students in each during the summer session. New A&P courses for human kinetics and the therapist assistant programs are still a work in progress.

Selkirk College. James Nicol. Biology 164/165 (A&P) had 70 and 60 students, mostly from nursing. They are using Saladin for the textbook. 2nd year science courses are currently suspended but may restart in 2015. This return should be assisted by the start of a 3 year rural pre-medicine program, which will include study skills, interview skills, lab experience and other material. It is aimed at potential medical school students or those aiming for health science degrees. They are also starting a workplace health and safety program.

Thompson Rivers University (information provided in absentia). The full versions of A&P with lab are 1590 and 1690. They have 220 students per year. The courses use Martini for a textbook. The open learning versions are 1593 and 1693. The in-person lab has now been developed to allow online students to get a lab component for these courses (1595 and 1695). No word on current student numbers in these courses but as of last year no students had completed the in-person labs and only a handful had begun the course.

University of British Columbia Okanagan. Blythe Nilson and Zoe Soon. Biology 131/133 (A&P) have about 200 students each per year. Seeley is being used as the textbook. This pair of courses is aimed at nursing students. The nursing program is bringing more science content back into their schedule of courses. This may be in

response to the upcoming North American standardisation of the Nursing test administered at the end of fourth year. They are also increasing the entry requirements. Students will need to have Chemistry 11, Biology 11 and 12. Human Kinetics 190 and 191 are the same courses as 131/133 but aimed at exercise and health sciences students. These courses had about 150 students each. Prerequisites for these courses are a minimum of 70% in English 12 plus 1 Math or Science 12 plus Chemistry 11. They want to increase the prerequisites further but this hasn't happened yet. Two hour labs are still happening for the human kinetics versions which could be an articulation issue. Pathophysiology I and II have about 120 students each. These courses include some pharmacology and microbiology. Budget cuts are happening. So far the effects for these courses have been limited to the loss of TAs. The cuts will affect summer courses and higher level courses.

University of the Fraser Valley. Dave Harper. Courses remain about the same. The move of the Kinesiology program to Chilliwack has caused some issues for students that might be impacting on enrollment, which has dropped in some courses. The first year anatomy course is (KPE 170), while the second and third year physiology courses (KPE 270 and 370) are physiology. These second and third year courses both had 144 students. KPE 470 is a pathophysiology course and had 36 students. 270 and 370 are currently using Silverthorn as a textbook but they may switch back to a standard A&P textbook. Lab practices in KPE are under review at present. UFV lost 2 million dollars to budget cuts but KPE only accounted for about \$60K.

University of Northern British Columbia. Anne Sommerfeld. Anatomy and Physiology courses are aimed at students who are pre-medical, pre-dental, or aiming at occupational therapy, physical therapy and other programs. A&P courses had about 60 – 75 students in the fall session and about 40 – 50 students in the second half. A course in Nutrition attracted about 50 students. The university had 4% budget cuts across the institution. So far, this has been dealt with primarily through attrition. Proposed changes to the course delivery model could cause issues as the university wants to switch to 10 week courses with the same number of hours per week as when the courses were a full term.

Vancouver Community College. Gordon McIntyre. Biology 1120 and 1220 (A&P) had about 320 and 260 students each last year. The textbook being used is Saladin. Wait lists continue to be normal for these courses. Biology 1602, Anatomy and Physiology for Practical Nursing had about 160 students. Pathophysiology is offered by the nursing faculty as part of the Bachelor's program. Budget cuts have been felt strongly by the English as a Second Language programs but have not had major impacts in the Sciences so far, although supplies and equipment budgets are down from previous levels.

Vancouver Island University. Suzanne Nilson. Biology 156/157 (A&P) had 105 and 80 students each last year. They used Martini for the textbook, although they are considering changing both the textbook and lab manual. The online A&P course is still not being offered. They have also instituted a participation and professionalism

mark of 5%, which has helped with attendance and behaviour. There have been no cuts to Biology yet, although there have been budget cuts across the university.

3. Business Arising.

5.1. Grid Update. Shamsa Jessa is still overseeing this process. The February 21, 2014 version is the most current.

5.2. System Liaison. We still need to find a system liaison, who ideally should be an able administrator with knowledge of the disciplines involved.

Action. Everybody should suggest potential candidates. Dave Harper will send out an expanded email to describe the requirements for a system liaison.

5.3. Membership and attendance at articulation meetings. All institutions have been contacted now and more should be attending next year. Problems with funding for representatives continue.

5.4. Synchronising meeting dates with other committees.

5.5. Pathophysiology (discussions occurred on Tuesday). There was a wide discussion of articulation of pathology and pathophysiology both inside and outside of nursing programs. This included discussion of one semester versus 2 semester courses and pure patho courses versus blended courses that include pharmacology and microbiology. THE group should be articulating all courses for use outside of Nursing degrees. There will be issues around individualised content for specific courses and instructors. There is no official grid, but Larry Anthony will put together a draft content list and grid framework. Douglas, NWCC, UBCO, Camosun, UNBC and UFV all have 1 semester patho courses.

Action. Larry Anthony will develop a draft framework for Pathology transfers.

Action. UFV, UBCO HKIN, Camosun, UNBC and UFV will develop and send each other information to articulate or re-articulate their courses.

5.6. Honour roll certificates from last year have been done.

5.8. The open text program continues. BC Campus has an A&P text now.

5.9. Institutional learning outcomes. UFV and UNBC have both done this now.

5.10. LPN course articulation (occurred on Tuesday). There was a general discussion on approaches to A&P courses aimed at these students. Templates for LPN Anatomy and Physiology, Pathophysiology and Microbiology courses are still in progress.

Action. Larry Anthony will develop these templates, including an LPN A&P template that outlines potential components of the course.

Action. Dave Harper will invite LPN representatives to next year's meeting and send out requests for information on which institutions have A&P courses aimed at LPN students outside of the nursing program.

6. Officer and Committee Reports.

6.1. Chair's report. Dave Harper. No major changes occurred in the past year. Dave was unable to attend the Joint Articulation meetings due to other commitments. Funds remain in THE group account which can be used for emergency purposes as required or to cover additional costs of meetings such as equipment rentals or to temporarily cover booking expenses.

6.2. Web manager's report. Robin was unable to attend but continues to oversee the web page hosted by the College of the Rockies.

Action. Dave Harper will ask Robin Tillman to add a map to THE group website that shows member school locations including the different campuses of each institution.

6.3. Biology liaison report. Blythe Nilson. Adult Basic Education is changing the curriculum for grade 11 and 12 courses in the near future. Blythe was invited to ACAT (Alberta) meetings.

Action. Dave Harper will produce a letter concerning the need to take both Biology 11 and 12, which mirrors the letter sent by the Biology committee last year.

7. THE Group Honour Roll Nominations. Val Collins of TRU and Garyen Chong of Langara were nominated by John, seconded by Jane. Accepted unanimously.

Action. Robin Tillman will produce certificates.

8. Student success. The K-12 system is revising their entire curriculum and is looking for input. The ministry is planning to require 10% of post-secondary funds be dedicated to topics focused on the jobs initiative, followed by 25% of funds by 2017/2018. BCEdplan.ca website has information on curriculum revisions. The student transitions website will have breakdowns on students in academics versus trades and other relevant information.

Action. Dave Harper will produce a letter suggesting our interest in providing input.

Action. Everybody should visit the Edplan website to provide feedback and encourage other faculty members at their institutions to do the same.

Action. Dave Harper and THE group will communicate with the Vice-Presidents and Presidents of member institutions to give them our feedback and open discussions with faculty regarding revisions to the high school curriculum.

9. New Business.

9.1. THE Group correspondence. There was no special correspondence to discuss.

- 9.2. A&P labs. There was a significant, general discussion about activities and protocols in labs, including differences in lab content and approaches to delivery of lab material. Lab skills that should be taught in addition to course content brought many suggestions. Members contributed to an omnibus table that outlined the procedures, methods of delivery, logistics, materials, and instructor qualifications for labs in A&P in BC in an effort to produce a “best practices” document for distribution. This would also include our collective suggestions for desired student skills to ensure success.

Action. Dave Harper will produce a document outlining some of the skills members suggested were important to learn in an A&P laboratory component.

- 9.3 to 9.5. These topics were tabled as they had already been covered or there was nothing new to add.

- 9.6. Developing an agreements document. There was a brief discussion of which institutions have separate agreements for transfer of courses.

Action. Anne Sommerfeld will review past minutes and reports to develop a document describing our history of agreements for articulation requests. Dave Harper and Sue Sanders will assist her.

10. BCCAT updates. Mike Winsemann. BCCAT is working on a framework for Associate Degrees. The province will now require (as of this September) all BC public universities to accept recognised associate degrees for transfer. More specialised associate degree programs will be coming. Mike provided a list of outstanding articulation requests for members to review. This is the twenty-fifth anniversary of BCCAT. They are launching a BCCAT transfer awards program to honour outstanding efforts by individuals to assist in student transfer projects. Funding concerns for articulation are definitely a current focus of the council. The Joint Articulation Meeting will hopefully include a working session on K-12 curriculum revisions.

Action. Members with outstanding articulation requests should follow up with their institutions to clear the backlog and ensure students can get appropriate transfers.

11. 2015 meeting. Dates are still unknown but May 6 and 7 (Wednesday and Thursday) are a possibility. Camosun College has volunteered to host the meetings. Larry Anthony will be the coordinator for Camosun College.

Action. Dave Harper will communicate with Larry Anthony about the dates and arrangements for the 2015 meeting and will communicate with other committees to try to coordinate dates to minimise costs for representatives.

12. Election of Officers for 2014/2015. Dave Harper was nominated as chair, with Sue Sanders as past-chair, Robin Tillman as communications officer, and Gordon McIntyre as recording secretary by Aisling Brady, seconded by John Krisinger. Passed unanimously.

11. Other Business. Future meetings should include a discussion of the growing role of medical marijuana.
12. Adjournment. The session closed in the late afternoon of May 6th. Following the close of the business meeting, tours of the lab facilities at CNC occurred, which included discussion of the ability to deliver A&P, pathology, nursing, medical lab, and medical imaging materials and techniques.