

**CURRICULUM COMMITTEE**

Monday, November 16, 2009 in Room B209  
Commencing at 9 am

**MINUTES**

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**PRESENT:** Brian Carr (Chair)  
Andrea Sussmann  
Colin MacLeod  
Heather Hamilton (Recorder)  
Jana Kolac  
Barbara Maloney  
Nicki Pearson  
Indra Manhas  
Liz Milliken  
Paul Richard  
Roshan Cader

**GUESTS:** Farhad Dastur, Associate Dean, Social Sciences  
Kevin Hamilton, Chair, Department of Psychology  
John Inglis, MATH Instructor  
Fergal Callaghan, PHYS Instructor

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**1. Approval of the November 16, 2009 Agenda:**

The Agenda dated November 16, 2009 was approved with the following items being tabled:

- a) Item #7 – Bachelor of Science Qualifying Year.
- b) Item #9(a)(i) ASTR 1105 – Basic Astronomy.

**2. Approval of the October 5, 2009 Minutes:**

The Minutes dated October 5, 2009 were approved as distributed.

**3. Business Arising from the October 5, 2009 meeting:**

Item #8 – Process to approve “Science” and “Quantitative Studies” is outstanding.

**4. Items for Information:**

- a) **Governance:** Faculty Council approved the Bylaws with some minor revisions thereto. The following committees need to be struck and functioning as soon as possible: FC Standing Committee on Academic Planning & Priorities; FC Nominations Committee; FC Ed Priorities Committee; and FC Awards Committee.
- b) **Science Awards:** Brian requested assistance in determining names for science awards.
- c) **Colloquia in Richmond:** There was no speaker at the past meeting; instead baccalaureate degrees in science were discussed in general terms.
- d) **Science Challenge:** Saturday, November 28, 2009 commencing at 9 am at the Richmond campus. Members present were asked to encourage their colleagues (on each of the campuses) to volunteer for this event.

The Agenda was then varied to consider Item #6 – Bachelor of Health Science Program Concept prior to Item #5 – Associate of Science in Psychology.

**6. Bachelor of Health Science Program Concept – Brian Carr:**

Brian introduced Dr. Allison McCutcheon and roundtable introductions were made.

- a) ***Degree Title:*** The title of the degree may need revising, depending on the course content.
- b) ***Level of science in the degree:*** consultation with external stakeholders advised that if the degree is too traditionally “science” oriented there would be difficulty in attracting students; and Kwantlen is committed that this degree will have a career focus to it that similar degrees at other institutions lack.
- c) ***Physics presentation – Fergal Callaghan (PHYS Instructor):***  
Fergal distributed copies of his PowerPoint presentation. He offered the following comments: the life science physics course has been adjusted to be applicable to any biological field; explained the difference between a true physics course and a physics course geared to biological physics for health sciences; physics courses teach critical thinking, logic, and problem solving which are all essential competencies for health care workers.
- d) ***Mathematics presentation – John Inglis (MATH Instructor):***  
John Inglis distributed information for MATH 1130 and 1230. He noted that medical professionals require strong analytical and problem-solving skills and incorporating physics and mathematics into this degree would cover that.

Allison studied 12 different health care professions and only pharmacy and optometry list math as a requirement; others list math as being recommended; and only 4 list physics as a requirement.

*Moved by Jana Kolac and seconded by Andrea Sussmann that the Bachelor of Health Science Program Concept incorporate physics and mathematics courses into Years 1 and 2.*

*CARRIED with 2 abstentions*

**Action Item:** Brian Carr and Allison McCutcheon redesign the language relative to mathematics and physics courses in the Program Concept.

*Moved by Jana Kolac and seconded by Andrea Sussmann that the degree title be “Bachelor in Health Sciences (BHSc)”.*

*CARRIED with 1 abstention*

The proposed admission requirements are: Chemistry 12 (C+) and Principles of Mathematics 12 (C+) and Physics 12 (P) and English 12 (B).

**Action Item:** Andrea Sussmann to advise correct wording for Biology requirements.

**5. Associate of Science in Psychology – Brian Carr:**

Farhad Dastur, Associate Dean of Social Sciences and Kevin Hamilton, Chair of the Department of Psychology joined the meeting at 11:10 am.

*Moved by Paul Richard and seconded by Jana Kolac that the Associate of Science in Psychology Degree be approved.*

Once moved, the subject was opened for discussion and the following comments were made: for an Associate of Arts degree, PSYC 2375 and 2385 could be considered as science courses and for an Associate of Science degree, they could be considered as arts courses; students should not assume that because Psych is considered a 'science' at Kwantlen that it will also be considered a 'science' at other institutions; and to avoid any misunderstanding we would have to add a cautionary statement that universities may not accept it for science credits and students should check that in advance.

Farhad said that he has taught the courses and he teaches them from a scientific point of view because students are introduced to the framework of critical thinking, rules of evidence, they articulate different kinds of methodology, and pros and cons of each for establishing causal relationships to quasi-experimental studies and importance of controls; and his approach is to look at the brain from a biological point of view.

It is up to the Psych Dept whether to send these courses through BCCAT for articulation seeking a science credit as well as an arts credit. The courses currently transfer to UBC and SFU as arts courses.

*The vote was then called and the Motion was CARRIED with 2 abstentions*

**Action Item:** Brian Carr will work with Farhad Dastur in designing appropriate language for the degree.

**7. Bachelor of Science Qualifying Year – Brian Carr:**

Tabled.

**10. Subcommittee on Course Curriculum (SCC) Report – Paul Richard:**

Senate passed a ruling that if the Program Concept is approved by S2C2 then the process for the full Program Proposal can begin.

**11. Course Outlines:**

a) ASTR/APSC/PHYS – Jana Kolac:

i) ASTR 1105 – Basic Astronomy

**Tabled**

b) EPT – Paul Richard:

i) ENVI 1106 – Environmental Chemistry I

*Moved by Paul Richard and seconded by Roshan Cader that ENVI 1106 – Environmental Chemistry I be approved as amended.*

**CARRIED**

**Action Item:** Brian Carr to check with Kathy Wainman to determine if a course can be removed as a prerequisite if it is no longer 'calendared'.

- ii) ENVI 1206 – Environmental Chemistry II

*Moved by Paul Richard and seconded by Roshan Cader that ENVI 1206 – Environmental Chemistry II be approved as amended.*

*CARRIED*

- c) MATH – Colin MacLeod:
  - i) MATH 1135 – Logic and Problem Solving

*Moved by Colin MacLeod and seconded by Jana Kolac that the new course outline MATH 1135 – Logic and Problem Solving be approved as submitted and amended.*

*CARRIED*

**12. Date of Next Meeting:**

- a) Brian called a Special Meeting of the Curriculum Committee for Monday, November 23, 2009 to discuss the Program Concept for the BSc in Sustainable Agriculture.
- b) Monday, December 7, 2009 commencing at 9 am in Room D142 (please note change of meeting room).

The meeting adjourned at 10:45 am.