Senate Committee on Academic Development
Report to Senate – Meeting of April 23, 2009

Proposal to introduce the Drug Development and Human Toxicology (DDHT) stream in the existing Bachelor of Science in Life Sciences in the Faculty of Arts and Science

Introduction

The proposal to introduce the Drug Development and Human Toxicology (DDHT) stream in the existing Bachelor of Science in Life Sciences in the Faculty of Arts and Science was reviewed by the Senate Committee on Academic Development (SCAD) at its meeting April 1, 2009. T. Massey, Department Head in the Department of Pharmacology and Toxicology, and M. Adams, Undergraduate Chair in the Department of Pharmacology and Toxicology, attended the SCAD meeting to speak to the proposal and answer questions from members of SCAD. Members of SCAD were also provided with the Program Approval Submission Form, which outlines the major components of the proposal. A copy of the proposal is attached to this report.

Analysis and Discussion

The following should be noted:

- many graduates of the Life Sciences program enter industry or government well trained, however, the graduates feel they are lacking in experience related to the drug discovery process;
- Health Canada and the pharmaceutical industry have both confirmed that having graduates with experience in this area would be beneficial;
- the proposed DDHT stream would admit a maximum of 16 student who would enter the stream in fourth year and build on their existing Life Sciences training;
- the proposed stream will be based on existing courses and two new ½ courses in Drug Discovery and Drug Development and Human Toxicology;
- the proposed stream will admit 2/3 students currently studying in the Honours Life Sciences Research stream and 1/3 students from the existing Life Science program to benefit from cross fertilization and add to the learning experience;
- graduates will pursue careers in government, biotechnology, and pharmaceutical and will be better prepared to enter graduate or professional school.

Conclusions/Recommendation

Recommendation:

Senate Budget Review Committee

Report to Senate April 9, 2009

Proposal to establish a Drug Development and

Respectfully submitted,

J. Medves, Chair, Senate Budget Review Committee

Committee Members:

H. Averns
K. Brock
F. Davis
D. Hallett
J. Helland
D. Janiec
M. Koichopolos
M. Lombardi
J. Medves (Chair)
G. Willmott
I. Young

Memo

Queen's UNIVERSITY

UNIVERSITY SECRETARIAT

TO Patrick Deane, Chair, SCAD
Jennifer Medves, Chair SBRC

FROM Georgina Moore, Secretary of the Senate

DATE March 11, 2009

SUBJECT

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Senate Committee on Academic Development

[redacted]

PART A

1. **OBJECTIVES:**

Please summarize the rationale for introducing this program. The program should be consistent with the Queen's mission, the academic plans of the unit including its teaching and research strengths, the relation of the unit with other academic units and the standards, educational goals and learning objectives of the degree. Explain how this program will achieve the expected academic quality. Please identify the Faculty, School or Department which will [redacted]

3. CURRICULUM:
Provide a detailed overview of the proposed program, along with the proposed Calendar description

Program at a glance:

YEAR 1	YEAR 2	YEAR 3	YEAR 4

[redacted]

Stream, will have lectures, assigned group problems and problem-solving discussion sessions.

5. **EVALUATION OF STUDENT PROGRESS:**
Briefly explain the intended method of evaluation of student progress and how it is appropriate for this program.

Since entry into the program will be at the beginning of 4th year, evidence of progress will be the successful completion of degree requirements.

6. **EQUITY:**
This program's planning, development and implementation should be consistent with the equity goals of

A classroom that can hold 24 students with computer projection facilities. We also

program outcomes, such as a graduation rate, length of studies, job placement, external scholarships, awards of graduating students, results of professional certification or licensing examinations, etc. Please discuss the anticipated outcomes of this program.

In addition to the benefits of the existing Life Sciences program, the DDHT Stream will

[redacted]

marketable in particular employment areas (e.g. Health Canada, biotechnology sector

PART B - RESOURCE IMPLICATIONS

f) LIBRARY SERVICES

- ☐ journals
- ☐ print monographs
- ☐ audio visual material
- ☐ historical documents
- ☐ electronic databases
- ☐ statistical / geospatial data

Indicate the likelihood of the program having an impact on Library staffing?

2. NEW EXPENDITURES

[redacted]

required once for startup. Base $ are funds that will continue to be needed year after year. Please attach some backup to show how the numbers were calculated.

4. IMPACT ON ENROLMENT

a) How many students are expected in the program? 16

b) How many new students will the program attract to Queen's University? **The students in this program will be part of the enrollment of the existing Life Sciences Program**

Part B: Library Comments on Resource [illegible]

The Bracken Health Sciences Library (BHSL), housed on two levels in Botterell Hall at

integrating these resources and services into teaching, learning and research.

The total area of 31,500 square feet includes seating capacity for 400-500 library users. In 2005, the BHSL's Main Level was completely renovated to create a state-of-the-art

interactive learning facility. Circulating laptops and wireless Internet allows students to choose their preferred seating areas, many of which are designed to encourage

Jo-Anne Brady, 12:27 PM 03/03/2009, New LISC Program Streams: CANC and DDHT

Date: Tue, 03 Mar 2009 12:27:40 -0500
From: Jo-Anne Brady <jo-anne.brady@queensu.ca>
Subject: New LISC Program Streams: CANC and DDHT

[redacted]

To: 'Sue Blake' <blakes@queensu.ca>
Thread-index: AcmcJVoSDADQJeDOSCeNij109pjJKQ==
Original-recipient: rfc822;blakes@queensu.ca

Sue

I have reviewed the program submissions and offer the following comments:

> we do not anticipate rooming problems for either stream; a process will have to be developed for the DDHT stream for ad hoc booking of a videoconferencing facility as required

> we anticipate a scheduling challenge for MBIO 218* (a) in general if plans proceed to collapse two sections into

[redacted]