

## 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 1 Report 1to 1Senate 1April9, 12009 1

Proposal to establish a Drug Development and 1

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Respectfully submitted,
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Chair, 1Senate Budget Review 1Committee 1
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Committee Members: 1
H. Averns 11
K. Brock 1
F. Davis 1
D. Hallett 1
J.Helland 1
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M. Koichopolos 1
M. Lombardi 1
J.Medves (Chair) 1
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# Queen's

## Memo

Patrick Deane, Chair, SCAD Jennifer Medves, Chair SBR

UNIVERSITY SECRETARIAT

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Georgina Moore, Secretary of the Senate	Kingston, Ontario, Canada K7L 3N6
March 11, 2009	Tel 613 533-6095
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### PART A

1	OBJE	CTIVES:
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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

3.	CURRICULUM: Provide a detailed overview of the proposed program, along with the proposed Colorder description
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Program at a glance:

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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.

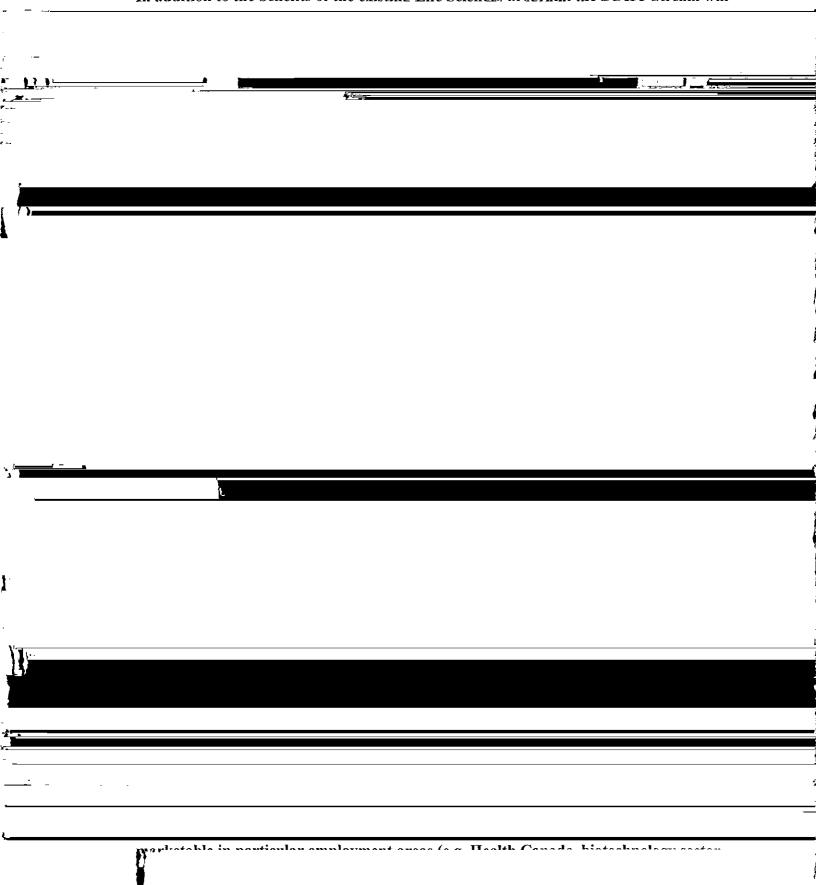
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This program's planning, development and implementation should be consistent with the equity goals of

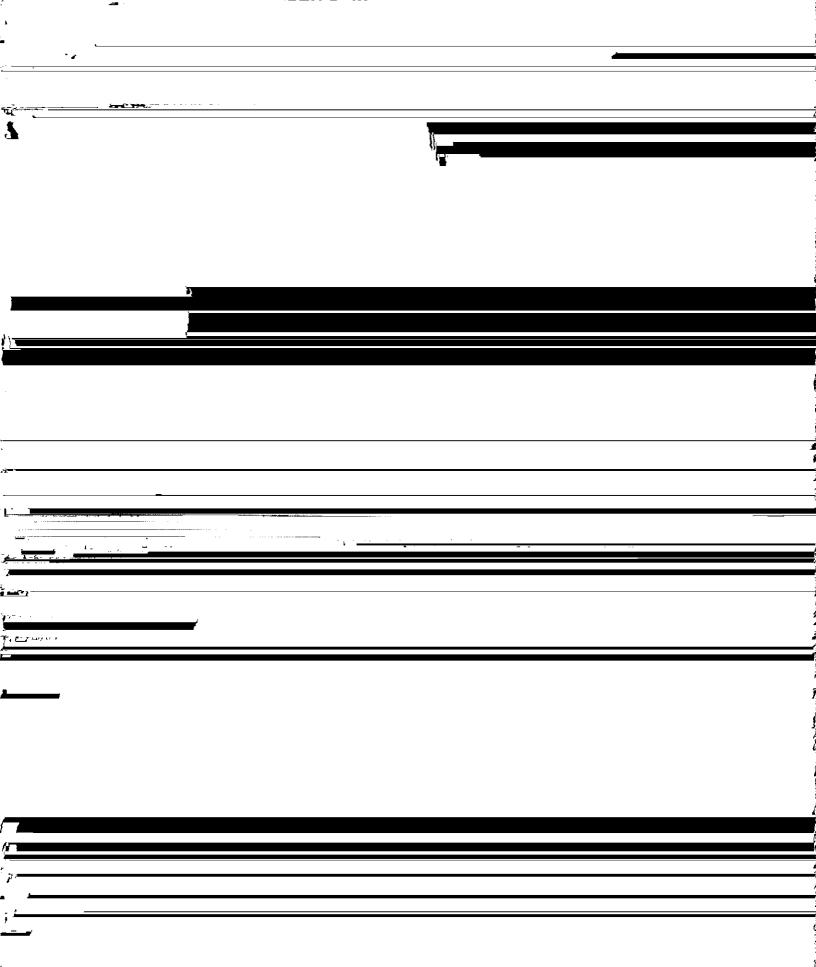
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program outcomes, such as a graduation rate, length of studies, job placement, external scholarships, awards of graduating students, results of professional certification or licensing examinations, etc. Please discuss the anticipated outcomes of this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

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



## PART B - RESOURCE IMPLICATIONS



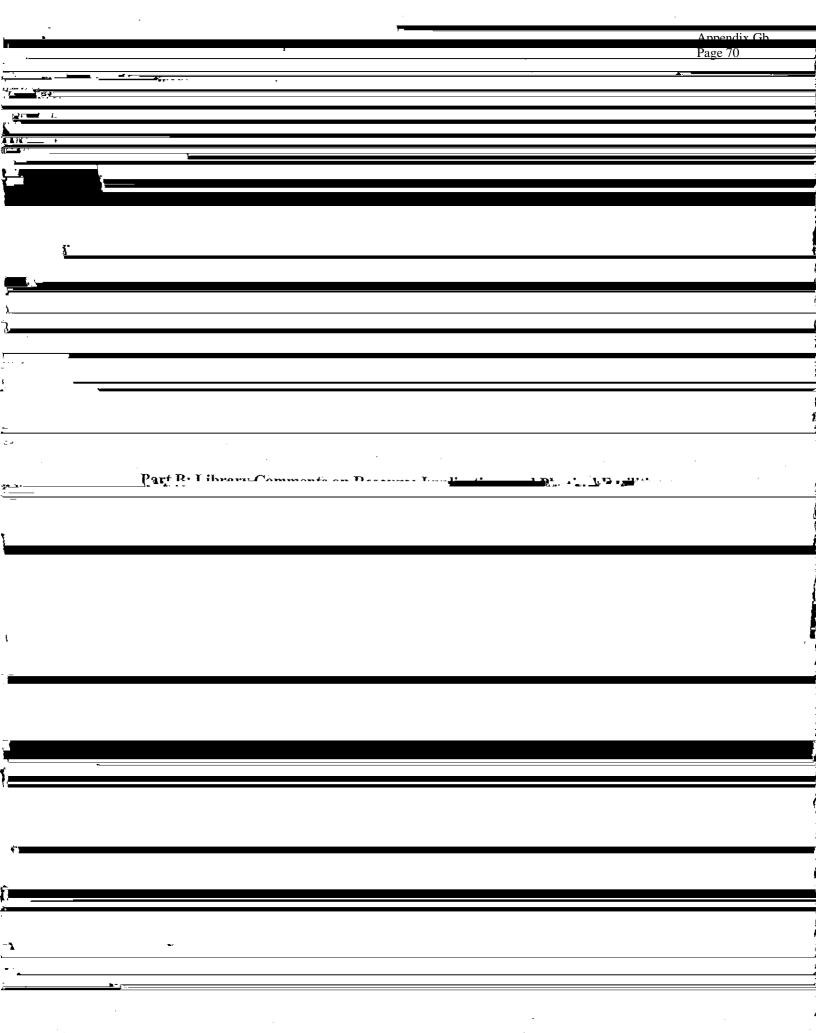
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<b>\$</b>	this program will be part of the enrollment of the existing Life Sciences	Program
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interactive learning facility. Circulating laptops and wireless Internet allows students to choose their preferred seating areas, many of which are designed to encourage

Date: Tue, 03 Mar 2009 12:27:40 -0500

From: Jo-Anne Brady <jo-anne.brady@queensu.ca>
Suhiect: New LISC Program Streams: CAMC and DOUT

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