

SIMON FRASER UNIVERSITY
Senate Committee on University Priorities

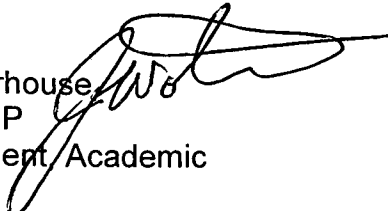
Memorandum

TO: Senate

FROM: John Waterhouse
Chair, SCUP
Vice President, Academic

RE: Proposal for the Deletion of the
Physics and Physiology Program in the
Faculty of Science (SCUP 06-45)

DATE: November 9, 2006



At its September 29, 2006 meeting SCUP reviewed and approved the proposal from the Faculty of Science for the deletion of the Physics and Physiology Program in the Faculty of Science.

A rationale is provided from the Department of Physics in the attached documentation.

Motion

That Senate approve and recommend to the Board of Governors, the proposal to delete the Physics and Physiology program in the Faculty of Science.

encl.

cc. M. Hayden

SIMON FRASER UNIVERSITY

MEMORANDUM

To: Senate Committee on University Priorities

From: Christine MacKenzie, Chair
Senate Committee on Undergraduate Studies *CaradKerze*

Subject: Curriculum Revisions
Faculty of Science, Physics (SCUS 06-21d)

Date: 21 July, 2006

Action undertaken by the Senate Committee on Undergraduate Studies at its meeting of 26 June 2006 gives rise to the following motion: ↳

Motion:

"that SCUP approve and recommend to Senate the deletion of the Physics and Physiology program."

The relevant documentation for review by SCUP is attached.

**SIMON FRASER UNIVERSITY
MEMORANDUM**

To: Rolf Mathewes, Chair Faculty of Science Undergrad Curriculum Committee
 Subject: Changes to Physics Programs and Courses
 From: Barbara Frisken, Chair Physics UGCC
 Date: February 22, 2006

Enclosed are documents related to the following proposed changes to physics courses and programs. The changes are summarized below:

~~We propose to change the alternate CHEM prerequisite for PHYS 485 Particle Physics because a higher level of quantum mechanics is required for this course.~~

~~Change from:
 PHYS 385 or CHEM 260 or CHEM 361 or permission of the department.
 Recommended: PHYS 380.
 Change to:
 PHYS 385 or CHEM 464 or permission of the department. Recommended: PHYS 380.~~

2. We propose to modify the vectors assigned to our lab courses PHYS 231, 233, 332, 431 and increase the credit assigned to PHYS 332. Students consistently take more time to do labs than allocated in the vector. Increasing the assigned lab hours will mean that students can complete the labs without rushing and will also make physics courses consistent with faculty norms. We also would like to add a one-hour lecture to PHYS 332 to provide time for instruction in writing-related issues and experimental methods and data analysis. Because of this, we would like to increase the number of credits for PHYS 332 from 3 to 4. This also makes the credit assignment more consistent with the work required; this is a course that students consistently say is more work than is justified by the number of credits assigned.

Course	Change from:	Change to:
PHYS 231 Physics Laboratory II	PHYS 231-3 (1-0-0-3)	PHYS 231-3 (1-0-0-4)
PHYS 233 Physics Laboratory III	PHYS 233-2 (0-0-0-3)	PHYS 233-2 (0-0-0-4)
PHYS 332W Optics Laboratory	PHYS 332-3 (0-0-0-4)	PHYS 332-4 (1-0-0-6)
PHYS 431 Advanced Physics Laboratory I	PHYS 431-4 (0-0-0-6)	PHYS 431-4 (0-0-0-8)

3. We propose to officially cancel the Physics and Physiology program. This program has been in existence for about 10 years, but student interest has been minimal. This program is offered jointly with Kinesiology; Kinesiology does not object to canceling the program. They have recently initiated a Biomedical Engineering program with the School of Engineering. That combined with the new program in Biological Physics should offer students sufficient options.

Thank you,

Barbara

X-Sender: ward@popserver.sfu.ca
Date: Wed, 26 Jul 2006 05:42:14 -0700
Reply-To: Richard Ward <ward@sfu.ca>
Organization: School of Kinesiology, SFU
Subject: Re: Note for SCUS
CC: joah@sfu.ca, hotell@sfu.ca
X-Mailer: SFUwebmail 2.70
From: Richard Ward <ward@sfu.ca>
To: mathewes@sfu.ca
X-Virus-Scanned: by antibody.sfu.ca running antivirus scanner

Hi Rolfe,

Yes, Kinesiology is in agreement with the deletion of the Physics and Physiology program.
Thanks Richard

On Mon, 24 Jul 2006 12:21:42 -0700 mathewes@sfu.ca wrote:

> Hello:
> I am the Associate Dean of Science, and at our last SCUS
> meeting we discussed a proposal by PHYSICS to delete the program in
> "Physics and Physiology" from the calendar. In the covering memo,
> the Physics representative stated that Kinesiology, as a program
> participant, had agreed to this deletion. Before SCUS can act on
> this, we need a brief email memo confirming that you formally agree
> to the deletion of the program.
> Your rapid response would be appreciated. Please send and
> email directly to Jo Hinchcliffe (joah@sfu.ca) with a cc to Rosemary
> Hotell (see above). Thank you for your help.

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>
> Dr. Rolf W. Mathewes, Professor
> Department of Biological Sciences, and
> Associate Dean of Science
> Simon Fraser University
> 8888 University Drive
> Burnaby, B.C. Canada V5A 1S6

>
> email: mathewes@sfu.ca
> Phone: 604-291-4472
> Fax : 604-291-3496
>

Richard Ward, Ph.D.
Senior Lecturer

H.