

MEMORANDUM

To... Senate .....

From... Office of the Dean of Graduate Studies .....

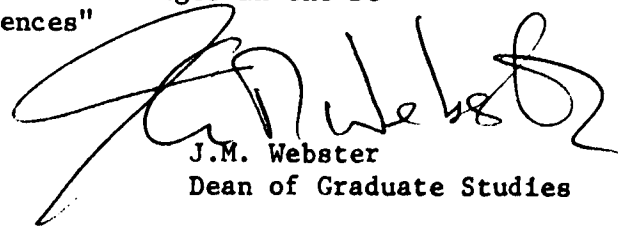
Subject Graduate Curriculum Changes -  
Department of Biological Sciences

Date... December 22, 1982 .....

Action undertaken by the Senate Graduate Studies Committee at its meeting on December 20, 1982, gives rise to the following motion:-

MOTION:

"That Senate approve and recommend approval to the Board of Governors, as set forth in S.83-25 , the proposed graduate curriculum changes in the Department of Biological Sciences"

  
J.M. Webster  
Dean of Graduate Studies

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# SIMON FRASER UNIVERSITY

## MEMORANDUM

H.M. Evans  
Secretary to Senate  
Subject: **RECOMMENDATIONS TO SCGS**

From: P. Dobud  
Administrative Assistant  
to the Dean of Science  
Date: November 2, 1982

This is to inform you that the following items have been approved by the Faculty of Science and therefore I would appreciate it very much if you would place them on the Agenda of the Senate Committee on Graduate Studies for consideration and approval.

### BIOLOGICAL SCIENCES

Paper F-82-26

- 1.) To approve the following insertion after the first sentence under "DEGREE REQUIREMENTS FOR M.SC. AND PH.D." (Page 241, SFU 1982-83 Calendar):

"The Ph.D. program in Biological Sciences requires a minimum of 3 courses totalling not less than 8 semester hours of course work beyond any Master's degree to be taken while the student is enrolled in a Ph.D. program at Simon Fraser University. Of these 8 hours, at least 6 are to be in graduate courses numbered in the 800's, and the remaining hours may be chosen from courses at the graduate or upper division undergraduate level within the candidate's department, or in an ancillary department. Where approval is obtained in advance, a Ph.D. student may take up to one-half of the above course requirements at another university for credit toward the Ph.D. degree at Simon Fraser University."

Paper F-82-27

- 2.) To approve the calendar changes in the admission and program requirements in the Master of Pest Management Program as follows (including title changes for BISC 435, 603, 604 and 849). (There are no changes in the course contents.)

### "Master of Pest Management Program (M.P.M.)"

For detailed information on the M.P.M. Program contact the Director, Master of Pest Management Program, Department of Biological Sciences.

**Admission Requirements** (M.P.M.)

As in the General Regulations section 1.3.2. In addition, applicants holding a Bachelor's degree from a recognized university in the agricultural, biological, forest or other related life science disciplines are normally expected to have instruction equivalent to a total of 18 credit hours in entomology, plant pathology, parasitology, ecology, and chemical pesticides.

Applicants who lack instruction in not more than three of these subjects, but are otherwise academically qualified, may be admitted with a requirement to take specified undergraduate courses from the following list, in addition to the normal program requirements. Applicants who lack instruction in more than three of these subjects may be admitted as Qualifying students. (See sec. 1.3.5).

BISC 304-3 Animal Ecology  
BISC 317-3 Insect Biology  
BISC 404-3 Plant Ecology  
BISC 407-3 Population Dynamics  
BISC 408-3 Parasitic Associations  
BISC 417-3 Entomology  
BISC 430-3 Plant Pathology  
BISC 432-3 Chemical Pesticides & the Environment  
BISC 435-3 Introduction to Pest Management

**Program Requirements** (M.P.M.)

The MPM Program will require successful completion of at least 44 credit hours normally obtained as follows:

18 credit hours from among the following courses supplemented periodically by selected Special Topics courses. In special cases, up to 6 credit hours may be obtained outside this list subject to approval by the student's Supervisory Committee and the Director:

BISC 816-3 Biology & Management of Forest Insects  
BISC 840-3 Analyses of Insect Pest Situations  
BISC 841-3 Plant Disease development & Control  
BISC 842-3 Insect Development & Reproduction  
BISC 843-3 Population Processes  
BISC 844-3 Biological Controls  
BISC 845-3 Physical Controls

BISC 846-3 Insecticide Chemistry & Toxicology  
BISC 847-3 Pest Management in Practice  
BISC 848-3 Nematology  
BISC 850-3 Weed Biology & Control  
BISC 851-3 Vertebrate Pests  
BISC 852-3 Medical & Veterinary Entomology  
BISC 853-3 Plant Disease Vectors  
BISC 854-3 Plant Pathosystems

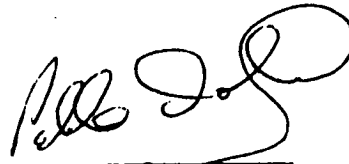
and 5 credit hours from

BISC 849-5 Professional Paper in Pest Management

and the remaining 21 credit hours which consist of the following professional courses in pest management. These courses are mandatory and are given only in the summer semester:

BISC 601-5 Urban & Industrial Pest Management  
BISC 602-5 Forest Pest Management  
BISC 603-5 Farm and Specialty Crop Pest Management  
BISC 604-5 Orchard Crop Pest Management  
BISC 605-3 Management of Animal Disease Vectors "

Thank you



P. Dobud.

Encls./

cc: Dr. Derek Sutton, Chairman, Faculty of Science Graduate Curriculum Committee.

# SIMON FRASER UNIVERSITY

## MEMORANDUM

To,..... Dr. K. K. Nair, Chairman.....  
..... Biological Sciences.....  
Subject..... CALENDAR CHANGES / GRADUATE.....

From..... R. C. Brooke.....  
..... Chairman, DGSC.....  
Date..... August 9, 1982.....

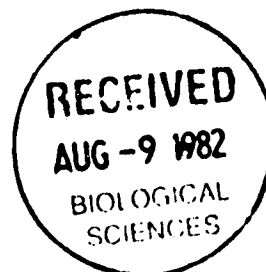
I attach the graduate calendar entry (MPM Program) as recommended by the MPM Faculty and subsequently as revised and approved at a DGSC meeting 29 June 1982. If approved by the Department, the MPM Calendar entry would read as the attached Section 6.2 indicates.

Faculty may note the following changes from the existing '82-83 calendar entry:

### Under Admission Requirements

- 1) courses or their equivalents which applicants should have 18 hrs credit in their backgrounds have been partly grouped so that instruction in each of 5 subject areas is necessary. It was possible under the existing entry for applicants to meet the requirement by having instruction equivalent to BISC 304, 317, 404, 407, 408 and 417, for example, without any instruction in pathology or pesticides.
- 2) applicants lacking instruction in three or less of the subject areas may be recommended now for clear admission if they otherwise satisfy the minimum University requirements (Section 1.3.2) Applicants lacking instruction in more than three of the subject areas may be recommended for admission as Qualifying students even though their CGPA meets or exceeds the minimum University standard.

These changes are consistent with recent practice of recommending on the admission of MPM students with deficiencies in their background.



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Under Program Requirements

There are no changes in the total number of credits required for the MPM degree. However, the proposed change in the 18 credit hour component would now facilitate an MPM student taking up to 1/3 (6 credits) of course work in topics outside this list - eg. a full-year course at UBC, or courses from other Departments or programs at SFU subject to approval as indicated.

The comprehensive examination has been dropped, as in practice it was never done.

Titles of the courses BISC 603 and 604 have been changed. (see below)  
and 849

Robert C. Brindley

RCB/la  
Enclosure

Changes of course title:

BISC 603-5	from	Vegetable, Cereal and Forage Crop Pest Management
	to	Farm and Specialty Crop Pest Management
BISC 604-5	From	Fruit Crop Pest Management
	to	Orchard Crop Pest Management
BISC 849-5	from	Professional paper in Pestology
	to	Professional paper in Pest Management