

SIMON FRASER UNIVERSITY

S. 7652

MEMORANDUM

To..... SENATE

From..... SENATE GRADUATE STUDIES COMMITTEE

Subject..... NEW COURSE PROPOSAL - BISC 827-3

Date..... MARCH 16, 1976

MOTION:

"That Senate approve, and recommend approval to
the Board of Governors, the new course proposal,
BISC ⁸²⁷⁻³~~837-3~~ - Behavioural Ecology."

SIMON FRASER UNIVERSITY

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MEMORANDUM

To..... M. McGinn, Secretary
..... Senate Grad Studies Committee
Subject..... BISC 827-3: BEHAVIOURAL ECOLOGY

From..... S. Aronoff, Dean S.A. 11
..... Faculty of Science
Date..... February 20, 1976

At its meeting of February 19, 1976 the Faculty of Science passed the following motion, unopposed:

"That the Faculty approve new course proposal BISC 827-3, Behavioural Ecology, and forward to the Senate Graduate Studies Committee for consideration."

The supporting documentation for this proposal is attached.

/pel
Encl.

SIMON FRASER UNIVERSITY

New Graduate Course Proposal FormCALENDAR INFORMATION:Department: Biological ScienceCourse Number: 827-3Title: Behavioural EcologyDescription: A seminar course on the ecological correlates of animal behaviour and the role of behaviour in determining the outcome of ecological processes.Credit Hours: 3Vector: —Prerequisite(s) if any: BISC 304 and 410 or equivalents.2. ENROLMENT AND SCHEDULING:Estimated Enrollment: 5-10When will the course first be offered: 1976-3

(was offered as special topics in 75-3)

How often will the course be offered: Every 2 years on average3. JUSTIFICATION:

(1) Considerable student interest, evidenced by high enrollment (10) when given as special topics course; (2) faculty expertise in this area is great; (3) interaction between ethology and ecology is becoming increasingly evident and productive.

4. RESOURCES:Which Faculty member will normally teach the course: Dill (Verbeek, Hartwick)What are the budgetary implications of mounting the course: NilAre there sufficient Library resources (append details): YesAppended: ☒ (a) Outline of the Course☒ (b) An indication of the competence of the Faculty member to give the course. CV☐ (c) Library resourcesApproved: Departmental Graduate Studies Committee: [Signature]Date: 20/2/76Faculty Graduate Studies Committee: [Signature]Date: 20 Feb/76Faculty: S. HartDate: 20/F/76Senate Graduate Studies Committee: —Date: —Senate: —Date: —

Course Outline

The specific topics considered in the course will vary from semester to semester, depending upon current student and faculty interest. Topics considered in 1975-3, when the course was given as BISC 859. "Special Topics - Behavioural Ecology", were:

- ecological functions of aggregation
- nesting strategies in birds
- territorial behaviour
- predator searching tactics
- bird navigation
- brood parasitism
- motivation of prey-killing behaviour
- size selective predation
- habitat selection by marine invertebrates
- social organization of early man.

This is to be a seminar course, with the majority of the seminars to be given by the graduate students.