

FACULTY OF SCIENCE MEETING OF OCTOBER 19, 1970

PHYSICS PERIPHYSICAL TOPICS

The accompanying proposals are essentially an attempt to subdivide the course "Periphysical Topics 199" into three separate sub-headings in order to allow students to take the course more than once. The course content will, by the very nature of this particular course, vary from semester to semester, and it was considered desirable to allow students to take a broader sampling of topics than is possible from one semester only.

The Faculty of Science Undergraduate Curriculum Committee has also made the following specific motion to be conveyed to the Registrar that students takingPeriphysical Topics 199-3 in the Fall semester of 1970 have "PHYS. OCEANOLOG." printed in place of "PERIPHYS. TOPICS" on their transcript. If the new course proposals are accepted forPeriphysical Topics, I shall convey this recommendation of the Undergraduate Curriculum Committee to Mr. Evans for implementation.

B. L. Funt

SIMON FRASER UNIVERSITY

MEMORANDUM

To Academic Senate

From Leigh Hunt Palmer for the Physics Department Undergraduate Curriculum Committee

Subject PERIPHYSICAL TOPICS COURSES

Date October 15, 1970.

14733-PC

Our initial offering of Physics 199-3 - Periphysical Topics this semester seems to be a success. One hundred ten students are enrolled in this variable content course which this semester treats the topic of Physical Oceanography. The lectures are given by a visiting Associate Professor in our Department, Dr. Paul H. LeBlond of the Institute of Oceanography and the Physics Department at U.B.C.

Next fall semester we plan to offer a course in astronomy to be taught, of course, by a competent astronomer, and the following fall we shall be offering a course (tentatively dealing with world power resources) on yet another nonoverlapping topic. It would therefore appear academically sound to allow a student to take this course in each of these semesters. Under present regulations, however, a student may not receive credit for Physics 199-3 more than once. We wish to make all of these courses available to students for credit.

There is also a problem regarding the name of the course. While "Periphysical Topics" is no doubt an etymologically sound title, the word periphysical has never been anointed as legitimate by any respectable (or unrespectable) lexicographer. Since we invented the word in the first place this is not too surprising. Because the word conveys little information about course content it perhaps fits very well into our calendar. It is much less appropriate on a transcript, and it would be better to describe the course there.

For these reasons we ask Senate to consider two requests. We wish two more course numbers, Physics 197-3 and 198-3, approved for use by Periphysical Topics courses. These will allow our students to take up to three of these courses. We have no intention to offer more than one of these courses per semester since they are directed at a common pool of students. Indeed we intend to offer one periphysical topics course each year in the fall semester. It does not matter whether or not the calendar entry includes the two "new" courses. Although it would be unusual to omit them, their inclusion will not add information.

As a remedy for the second problem, that of unintelligibility of the word "Periphysical", we propose that student transcripts showing Physics 199-3 for fall 1970 bear, instead of the officially approved course name, "PHYSICAL OCEANOGRAPHY" in the course title space. For fall 1971 we shall

October 15, 1970.

probably wish to list "PHYS 197-3 INTRODUCTORY ASTRONOMY" and so forth, but we can request these changes as they arise.

It is important that we do not list specific topics in the calendar in advance. The reasonable inference to be drawn from such an entry is that we claim to have faculty competent in the area listed. Our Periphysical Topics lecturers will almost without exception be brought in from outside our department.

Having, we hope, made ourselves clearer than would have been possible on the standard form for new courses, we include two of the latter filled out as required.

Leigh Hunt Palmer
Leigh Hunt Palmer

SIMON FRASER UNIVERSITYFACULTY OF SCIENCE

NEW COURSE PROPOSAL

I CALENDAR INFORMATION

Department: Physics

Course Number: 197 Title: Periphysic
Topics II

Sub-title or Description:

Selected topics from sciences closely allied with physics.

Credit Hours: 3

Vector Description: (3-1-0)

Pre-requisite(s): B.C. High School Physics 11 or equivalent,
and Mathematics 12.II ENROLMENT AND SCHEDULING

Estimated Enrolment: uncertain, probably a minimum of 50

Semester Offered (e.g. Yearly, every Spring; twice yearly, Fall and
Spring):

Each Fall when arrangements can be made.

When course will first be offered: 199-3, a course of identical
intent (but different content) was offered in Fall 1970.III JUSTIFICATION

~~A. What is the detailed description of the course including differentiation
from lower level courses, from similar courses in the same department
and from courses in other departments in the University?~~

~~B. What is the range of topics that may be dealt with in the course?~~

(See copy of new course proposal for Physics 199-3, attached,
approved by Senate in 1969). Because the topic of this course
changes from semester to semester it would be reasonable for
a student to take it more than once. He is precluded from
doing so unless it has a different number in succeeding semesters.
For this reason we ask two new numbers be assigned, and that
students taking 199-3 in Fall 1970 have "PHYS. OCEANOLOG." printed
in place of "PERIPHYS. TOPICS" on their transcripts.

IV

BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

Uncertain as yet.

B. What are the special space and/or equipment requirements for this course?

NONE

C. Any other budgetary implications of mounting this course:

Financial support for the lecturer would usually be required.

APPROVAL - Faculty Curriculum Committee: *James A. B. V. 1960*

Faculty: *James A. B. V. 1960*

Senate:

SIMON FRASER UNIVERSITYFACULTY OF SCIENCE

NEW COURSE PROPOSAL

~~76-70-28~~
29-B(b)I CALENDAR INFORMATION

Department: Physics

Course Number: 198 Title: Periphysica
Topics III

Sub-title or Description:

Selected topics from sciences closely allied with physics.

Credit Hours: 3

Vector Description: (3-1-0)

Pre-requisite(s): B.C. High School Physics 11 or equivalent,
and Mathematics 12.II ENROLMENT AND SCHEDULING

Estimated Enrolment: uncertain, probably a minimum of 50

Semester Offered (e.g. Yearly, every Spring; twice yearly, Fall and
Spring):

Each Fall when arrangements can be made.

When course will first be offered: 199-3, a course of identical
intent (but different content) was offered in Fall 1970.III JUSTIFICATION

~~A. What is the detailed description of the course including differentiation from lower-level courses, from similar courses in the same department and from courses in other departments in the University?~~

~~B. What is the range of topics that may be dealt with in the course?~~

(See copy of new course proposal for Physics 199-3, attached, approved by Senate in 1969). Because the topic of this course changes from semester to semester it would be reasonable for a student to take it more than once. He is precluded from doing so unless it has a different number in succeeding semesters. For this reason we ask two new numbers be assigned, and that students taking 199-3 in Fall 1970 have "PHYS. OCEANOLOG." printed in place of "PERIPHYS. TOPICS" on their transcripts.

IV

BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

Uncertain as yet.

B. What are the special space and/or equipment requirements for this course?

NONE

C. Any other budgetary implications of mounting this course:

Financial support for the lecturer would usually be required.

APPROVAL - Faculty Curriculum Committee: 6/12/68

Faculty: 6/19/68

Senate:

SIMON FRASER UNIVERSITY

MEMORANDUM

File No. F-8-5

To..... Mr. H. Evans

From..... B.L. Funt

Registrar

Dean of Science

Subject..... Transcript Change -
Periphysical Topics

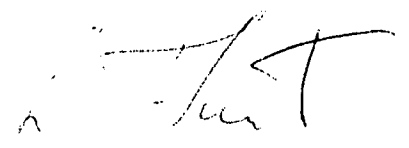
Date..... October 21, 1970

The Undergraduate Curriculum Committee and the Faculty of Science has asked that I request you to modify the transcripts of students taking Periphysical Topics 199-3 in the Fall semester of 1970, to have Physical Oceanography printed in place of or in addition to Periphysical Topics on the transcript.

I am not certain of the technical problems involved, but I would very much appreciate your attempting to fulfill this request.

BLF/ma

cc: Undergraduate Curriculum Committee



FACULTY OF SCIENCE

NEW COURSE PROPOSAL

I CALENDAR INFORMATION

Department: Physics

Course Number: 199-3

Title: Periphysical Topics

Sub-title or Description: Selected topics from sciences closely allied with physics.

Credit Hours: three

Vector Description: (3-1-0)

Pre-requisite(s): B.C. High School Physics 11 or equivalent, and Mathematics 12.

II ENROLMENT AND SCHEDULING

Estimated Enrolment: Uncertain, probably a minimum of 40
Semester Offered (e.g. Yearly, every Spring; twice yearly, Fall and Spring): Each Fall when arrangements can be made.

When course will first be offered: Fall 1970

III JUSTIFICATION

Because we feel that Physics students, and perhaps some others as well, will likely want to take a physics course in their first semester, we think it would be valuable to teach the following course which will not be required as part of any program. It would be accessible to many Arts and Education students as well. "Periphysical Topics" is a course in which the content would vary from semester to semester. Typical topics would be geophysics, astronomy, physical oceanography, atmospheric physics, astrophysics, and other such topics which are strongly related to physics. While some of these topics could be handled adequately by present faculty members, it is possible and desirable that visiting faculty, perhaps often from U.B.C., be commissioned to teach the course. It would be offered in the Fall semester only.

While this course is not part of any program it would be a valuable addition to our offering and an attractive course to non-science students as well. The number is not that of a so-called general education course because this course, unlike Physics 001-3, will be fairly mathematical.

IV BUDGETARY AND SPACE FACTORS

- A. Which faculty will be available to teach this course?
Two from U.B.C. have indicated interest.
- B. What are the special space and/or equipment requirements for this course?
None
- C. Any other budgetary implications of mounting this course:
Financial support for the lecturer would usually be required.

APPROVAL - Faculty Undergraduate Curriculum Committee:

Faculty:

Senate: