

SIMON FRASER UNIVERSITY

S.78-136

MEMORANDUM

To.....Senate.....	From.....N.R. Reilly, Chairman.....
	Senate Committee on
	Undergraduate Studies.....
Subject Undergraduate Curriculum Changes in Philosophy	Date.....14 November 1978.....

(A) Action taken by the Senate Committee on Undergraduate Studies at its meeting on November 7 gives rise to the following motion:

MOTION

That Senate approve and recommend approval to the Board of Governors the items outlined below, other than the items for information, and detailed in S78-136.

- (a) Change in prerequisites, lower division courses - page 1, 2
- (b) Change in prerequisites, upper division courses - page 2, 3
- (c) Change in requirements for Minors, Majors, Honors - lower division courses and upper division courses - papers 4, 5, 6, 7
- * (d) Description change PHIL 150 - History of Philosophy 1
- * (e) Description change PHIL 151 - History of Philosophy 2
- (f) Deletion of general prerequisite statement for 200 division courses
- * (g) Prerequisite change PHIL 203-3, Epistemology and Metaphysics
- * (h) Title change, credit change, description change PHIL 210-4
- (i) New Course PHIL 214-3, Elementary Formal Logic II
- * (j) Change in course designation, prerequisite, PHIL 243-3, Historical Studies in the Philosophy of Science
- (j)' and discontinuation of G.S. 201
- (k) Title and description change PHIL 280-3
- (l) New course PHIL 301-3, Topics in Epistemology and metaphysics
- * (m) Title change, prerequisite change, deletion of description PHIL 310-3
- * (n) Prerequisite change PHIL 314-3, Topics in Logic I
- * (o) Prerequisite change PHIL 414-5, Topics in Logic II
- (p) New course PHIL 320-3, Social and Political Philosophy
- (q) New course PHIL 321-3, Moral Issues and Theories
- * (r) Prerequisite change PHIL 421-5, Ethical Theories
- * (s) Prerequisite change PHIL 340-3, Philosophical Methods

* Provided for information of Senate. Refer to footnote on next page.

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- *(t) Prerequisite change PHIL 341-3, Philosophy of Science
- *(u) Prerequisite change PHIL 344-3, Philosophy of Language I
- (v) New course PHIL 452-5, Kant and the Nineteenth Century
and deletion of PHIL 451, Kant
- *(w) Title change PHIL 453-5
- (x) Delete PHIL 402-5, Philosophy of Perception
PHIL 410-5, Inductive Logic
PHIL 445-5, Theories of Explanation

Footnote. With regard to the discontinuation of G.S. 201 of Continuing Studies. The transfer of this course together with the appropriate resources to the Department of Philosophy has the approval of the Faculty of Interdisciplinary Studies and the Dean of Continuing Studies.

(B) Acting in accordance with the powers delegated to the Senate Committee on Undergraduate Studies (S78-10), the Senate Committee on Undergraduate Studies approved, at its meeting on November 7, 1978, various changes to the descriptions, prerequisites, titles and designations of various Philosophy courses as outlined by the asterisked items above and as detailed in S78-136. In accordance with S78-10, these actions are being reported to Senate for information only.



N.R. Reilly

/kb

SIMON FRASER UNIVERSITY

SCUS 78-65

MEMORANDUM

To Mr. H.M. Evans, Secretary

From Sheila Roberts, Secretary

S.C.U.S.

Faculty of Arts Curriculum Committee

Subject Curriculum Changes - Philosophy

Date October 30, 1978

The Faculty of Arts Curriculum Committee at its meeting of October 19, 1978 approved the attached changes and new course proposals for the Department of Philosophy. The new course proposals were distributed prior to the meeting, but other Faculty Curriculum Committees should have until November 2, 1978 to respond to the question of overlap with courses in their respective Faculties.

Please place these items on the agenda of next SCUS meeting.

Thank you.

Sheila Roberts

S. Roberts

Registrar's Note:

Throughout the paper "philosophic thought" is to be changed to "philosophical thought."

DEPARTMENT OF PHILOSOPHY

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CHANGE OF GENERAL INTRODUCTION AND
REQUIREMENTS FOR 100 and 200 DIVISION

FROM:

Reading Lists and Course Outlines

Students should obtain reading lists and course outlines from the Philosophy Department Office for the courses of interest to them. The content of some courses varies considerably from time to time.

100 and 200 Division Courses

The 100 division courses and PHIL 001 have no prerequisites: they may be taken in any order by any student in any Faculty.

The Department's 100 and 200 division courses offer a comprehensive introduction to the major areas of Philosophy.

There are five courses in the 100 division. These courses will acquaint the student with some of the most important problems, positions and methods in philosophy. All are designed to give general preparation for further study in philosophy. Moreover, all have bearing on particular problems and subjects which will be encountered in other areas of study. (See course descriptions below.)

Entrance into 200 division courses requires at least one 100 division course or permission of the Department. Two of the 200 division courses are extensions of 100 division courses: PHIL 203 is an extension of PHIL 100; and PHIL 210 of PHIL 110. In addition, there are 200 division courses which introduce further branches of philosophy: The State and the Citizen (PHIL 220); Philosophy of Religion (PHIL 240); Philosophy in Literature (PHIL 241); Philosophy of the Arts (PHIL 242); Existentialism and Phenomenology (PHIL 280).

TO:

Many students whose academic goals lie elsewhere will — for the reasons Russell gives — be interested in and benefit from particular courses in philosophy.

100 DIVISION COURSES have no prerequisites and may be taken in any order by any student in any faculty. These courses will acquaint the student with some of the most important problems, positions and methods in philosophy. Moreover, all 100 division courses have bearing on particular problems and subjects which will be encountered in other areas of study. (See course descriptions below.)

200 DIVISION COURSES are slightly more advanced than 100 division courses and are more specific in their subject matter. It is recommended but not mandatory that students wishing to enroll in a 200 division philosophy course have completed 15 credit hours of university work or its equivalent. (PHIL 203 and 244 have additional prerequisites.)

RATIONALE:

Change in prerequisite for 200-Division courses. Change from "At least one 100-Division course and permission of the Department" to "15 hours of general university work or equivalent is recommended. Philosophy 203 and 214 have additional prerequisites."

Justification:

It has been our experience that students who might not have a previous philosophy course can do well in 200-Division courses provided that they have a little university experience. These courses are introductory in nature and most students taking them do so out of interest in the particular field of study (Phil of Religion, The Arts, etc.). These courses are more advanced than 100-Division courses, thus some advisory precaution is necessary.

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300 and 400 Division Courses

CHANGE IN REQUIREMENTS

FROM:

300 and 400 Division Courses

Entrance into upper division courses with the exception of PHIL 300 requires either the permission of the Department or the following lower division courses: PHIL 100, PHIL 203, and either PHIL 110 or 210. In special circumstances the Department may waive certain of these prerequisites.

Students who have satisfied the 100 and 200 division requirements for a program in philosophy should plan to continue by taking courses in the 300 division. 300 division courses are slightly less advanced than 400 division courses. Entrance into 400 division courses requires at least four 300 division courses, one of which must be either Philosophical Methods (PHIL 340) or Philosophy of Language I (PHIL 344).

TO:

300 AND 400 DIVISION COURSES. Students interested in particular courses in the Upper Division Program should have the appropriate background for those courses (see the prerequisites for individual courses), or six hours of philosophy in the Lower Division. NOTE: Where course prerequisites say "a suitable background in a related subject", students must satisfy the instructor of the course that they have the necessary background. 400 division courses are more advanced than 300 division courses (there is more reading, they are more difficult, and more writing is required). Students should have taken at least two 300 division courses before enrolling in a 400 division course.

RATIONALE:

Change in prerequisite for upper division work. From "Phil 100, either 110 or 210, and Phil 203" to "Students interested in particular courses in the upper division program should have the appropriate background for that course (see the prerequisites for individual courses), or six hours philosophy at the lower division. Prospective major, minor, and honors students should familiarize themselves with the requirements for work towards the B.A. in Philosophy."

Justification:

Students majoring, minoring, or honoring in another department sometimes would like to take a philosophy course, but do not fulfill the present prerequisites for upper-division work in our department. This is largely because those requirements are stated for students pursuing a B.A. through our department. We have not paid sufficient attention to what we think is a large group of students who would like to take just a few courses in our department. Most of the time these students have done work in their own department which qualifies them for a specific philosophy course (e.g., computing science and mathematics students can certainly take our logic courses; political science, sociology and criminology students may well qualify for our upper division courses in ethics; psychologists might be interested in our philosophy of science and philosophy of mind courses; and so on). Our intent is that the proposed requirement will distinguish between students pursuing a philosophy B.A. and those who are not where the present regulation does not so distinguish and in fact discourages students from outside the Philosophy Department from sampling our upper division courses.

Change in prerequisite for entry into 400-Division courses. From "four 300-Division courses, one of which must be Phil 340 or 344" to "400-Division courses are more advanced than 300-Division courses (there is more reading, they are more difficult, and more writing is required). Students should have taken at least two 300-Division courses before enrolling in a 400-Division course."

Justification:

Four courses was too stringent, and given the limited number of our upper-division offerings, it is sometimes necessary for students to take 400-division courses in order to progress toward their degrees. The present requirement is now seen as unreasonably high from an academic perspective as well. The Department is trying to make its program more generally appealing and less pre-professional. The role of the philosophy department must be to exert its humanizing influence as broadly as possible. In order to achieve this the philosophy program should be less rigidly structured so that we can accommodate the needs of students from outside the department.

Requirements for Minor,
Major, and Honors

CHANGE IN REQUIREMENTS

FROM:

Requirements for Minor, Major and Honors

All students completing a minor, a major or an honors degree in philosophy must take the following courses: PHIL 100, PHIL 203, PHIL 210, either PHIL 120 or PHIL 421, and either PHIL 340 or PHIL 344. Individual interests will determine which other courses a student will take.

Students pursuing a minor in philosophy must have at least 15 hours of upper division philosophy. Students pursuing a major in philosophy must have at least 30 hours of upper division philosophy. Students pursuing an honors degree must have at least 50 hours of upper division philosophy.

In addition to the above required courses, honors students must take the two Honors Tutorials in the last, or last two, semesters of their philosophy program. The tutorials offer sufficient time to examine in depth several philosophical topics in a general area such as Ethics, Metaphysics, and Philosophy of Mind.

TO:

REQUIREMENTS FOR MINORS, MAJORS, AND HONORS

Students pursuing a minor in philosophy must have at least 15 hours of upper division philosophy. Students pursuing a major in philosophy must have at least 30 hours of upper division philosophy. Students pursuing an honors degree must have at least 50 hours of upper division philosophy.

LOWER DIVISION REQUIREMENTS FOR MAJOR, MINOR, AND HONORS STUDENTS.

- A. At least two courses from the group: PHIL 100, 110, 120.
- B. PHIL 203
- C. PHIL 210

UPPER DIVISION REQUIREMENTS FOR MINOR STUDENTS.

At least five courses from the group numbered from PHIL 301 to PHIL 468,

UPPER DIVISION REQUIREMENTS FOR MAJOR AND HONORS STUDENTS.

- A. At least one course from the group: PHIL 301, 340, 455.
- B. At least one course from the group: PHIL 320, 321, 421.
- C. At least two courses from the group: PHIL 350, 353, 354, 355, 452, 453.
- D. In addition to the above required courses, honors students must take the two Honors Tutorials in the last, or last two, semesters of their philosophy program. The tutorials offer sufficient time to examine in depth several philosophical topics in a general area such as Ethics, Metaphysics, Philosophy of Mind, etc. The honors candidate must achieve a grade of B or higher in each honors tutorial to receive the honors degree.

RATIONALE:

Change in requirements for major, minor and honors students:

Lower Division Requirements for Major, Minor, and Honors Students.

- A. At least two courses from the group: 100, 110, 120.
- B. Phil 203.
- C. Phil 210.

Justification:

The change is in A, allowing a wider range of choice by including 110 as fulfilling part of the requirement for the 100-division. 110 is a course which provides an adequate background for 203 and which therefore ought to count toward the lower level requirements for the degree.

Upper Division Requirements for Major and Honors Students.

- A. At least one course from the group: 301, 340, 455.
- B. At least one course from the group: 320, 321, 421.
- C. At least two courses from the group: 350, 353, 354, 355, 452, 453.
- D. Honors candidates must take the Honors Tutorials (477, 478) in the last, or last two, semesters of their philosophy program. Each tutorial will examine related problems in a general area such as Ethics, Metaphysics, Epistemology, Philosophy of Mind or Aesthetics. Students should consult with the departmental advisor at least one half semester before they wish to enrol in an Honors Tutorial in order to select the appropriate faculty director and topics.

Justification:

Our intention is to move to group requirements at the upper division. There is a recognition of the history of philosophy and the role it should play in major and honors degrees. Our expanded ethics program must be sampled, and we have dropped Philosophy of Language (344) from group A (which used to include 340 and 344). Epistemology and metaphysics are deemed more central for an undergraduate degree. Philosophy of language has become very technical and is not the panacea philosophers thought it might be in the late 1950's and early 1960's. So we are reverting to Knowledge, Truth, Being, and Goodness.

Upper Division Requirements for Minors: At least five courses numbered 301 and above.

Justification:

We have found that minors in philosophy usually have specialized interests and want to take just those upper-division philosophy courses which augment their major or honors subject. We feel that the general requirement of three 300 level courses (which means that minors must have at least five upper division philosophy courses in all) will allow students to broaden their course selection. In some areas we offer two or three upper division courses (e.g., ethics, logic, philosophy of language) and in others only one (philosophy of mind, philosophy of science). Thus in most cases minors students will take some philosophy courses not directly related to their major or honors subject. Although we have been able to identify central groups of courses which philosophy major and honors students should have in order to have a broadly conceived liberal arts B.A. in philosophy, we have not been able to do this with the minor. Students minoring in philosophy and taking logic, e.g., may not have time to take an ethics course, nor can we think of a good reason why they should have to.

HONORS PROGRAM

as approved by Senate in May, 1978
(see S.78-47)

FROM:

Students proposing to enter the Honors Program in Philosophy must first complete 60 hours of University coursework including 12 hours of Philosophy and fulfil the lower division requirements listed in the section 'Requirements for Minor, Major and Honors'. A grade point average of 3.0 or higher for all Philosophy courses is required for acceptance and continuation in the program, but does not by itself guarantee either. Students proposing to enter the Honors Program must submit an application (a form is available in the department office) and consult the department's undergraduate advisor. After one semester of course-work in the honors program a candidate must, in consultation with the undergraduate advisor, devise a program of studies. Consideration of the application and proposed program of studies will be based on the department's assessment of the student's performance and potential as a scholar.

TO:

HONORS PROGRAM

An honors program is offered for students interested in advanced work in Philosophy. It is strongly advised for students who plan to pursue a post-graduate degree in the subject.

Students proposing to enter the Honors Program in Philosophy must first complete 60 hours of University coursework including 12 hours of Philosophy and fulfil the lower division requirements listed in the section 'Requirements for Minor, Major and Honors'. A grade point average of 3.0 or higher for all Philosophy courses is required for acceptance and continuation in the program, but does not by itself guarantee either. Students proposing to enter the Honors Program must submit an application (a form is available in the department office) and consult the department's undergraduate advisor. After one semester of course-work in the honors program a candidate must, in consultation with the undergraduate advisor, devise a program of studies. Consideration of the application and proposed program of studies will be based on the Department's assessment of the student's potential for advanced work.

RATIONALE:

The original version was thought by some (including many students) to carry the (unwanted) implication that the honors B.A. in Philosophy was a preprofessional degree intended only for those wishing to continue working in the field at the graduate level. We want, on the contrary, to encourage those students interested in other professions who still want to do advanced work in philosophy for the B.A. Prelaw students, mathematics students, and history students may wish to do honors philosophy, to pursue a double honors degree, and so on.

Change in Description

From: "A survey of philosophic thought from late antiquity to the renaissance. Special attention will be given to the works of Socrates, Plato, Aristotle, St. Augustine, St. Thomas Aquinas and Galileo. The views of these great thinkers have helped to shape the ways in which we see the world. The course is therefore recommended to everyone with an interest in our intellectual heritage.

To: "A survey of philosophic thought from late antiquity to the renaissance. Special attention will be given to the works of Socrates, Plato, Aristotle, St. Augustine, St. Thomas Aquinas and Galileo. The views of these great thinkers have helped to shape the ways in which we see the world. The course is therefore recommended to everyone with an interest in our intellectual heritage. PHIL 150 is open to all students."

Change in Description

From: "A survey of philosophic thought from Renaissance to the twentieth century. Special attention will be given to the works of Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, Kant, Hegel and Mill. The views of these great thinkers have helped to shape the ways in which we see the world. This course is therefore recommended to everyone with an interest in our intellectual heritage."

To: "A survey of philosophic thought from Renaissance to the twentieth century. Special attention will be given to the works of Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, Kant, Hegel and Mill. The views of these great thinkers have helped to shape the ways in which to see the world. This course is therefore recommended to everyone with an interest in our intellectual heritage. PHIL 151 is open to all students."

Rationale: To emphasize that these courses are of interest to all students.

Delete

"Prerequisites for all 200 division courses
At least one 100 division course, or
permission of the Department."

Rationale: The Department has decided to add partic
pre-requisites for the 200 Division courses where
required.

SEE APPENDIX A

Phil 203-3

Change in Pre-requisites

From: "PHIL 100 or permission of the
Department."

To: "Either PHIL 100 or 110 or permission
of the Department."

Rationale: Phil 110 has come to be taught not simply
as a logic course, but as a course dealing with many
philosophic issues from the point of view of the
structure of argument and reasoning. With this broad
approach, Phil 110 is an adequate preparation for
Phil 203.

Phil 210-4

Change of Title and Credit

PHIL 210-3

From: "Elementary Formal Logic"

PHIL 210-4

To: "Elementary Formal Logic I"

Change in Description

From: "Rules for valid reasoning as treated
by traditional syllogistic; natural deductive
methods for propositional and predicate logic
and axiomatics for extensional and intensional
logics."

To: "A natural deductive treatment of
propositional and first order logic
(quantification theory) with particular
attention to rules of valid reasoning and
the analysis of arguments."

Rationale: Addition of roman numeral "I" to bring
this course into sequence with Phil 214. (Elementary
Formal Logic II). The rationale for change in
description: this course has never been adequately
taught in accordance with its original description.
Too much was attempted and student interest usually
took the class much deeper into natural deduction

(for example) than had originally been envisaged. The material is much better divided over 2 courses. Change in Vector: Much more time is needed in 210 for exercises than was originally planned. Contact hours go up by 1 to a total of four (3 lecture hours 1 tutorial hour).

NEW COURSE PHIL 214-3

SEE APPENDIX C

NEW COURSE NUMBER

SEE APPENDIX D

From G.S. 201-3

To PHIL 243-4

p. 210 PHIL 243-3

Change of Pre-requisites

From: "Any 100 level course in science, Mathematics or Philosophy."

To: "15 credit hours recommended."

RATIONALE: To bring this course into line with the other 200 division courses in the Department of Philosophy. It was felt that an overall level of maturity was more important than specific subject are pre-requisites.

Change of Title

From: "Existentialism and Phenomenology"

To: "Introduction to Existentialism"

Change of Description

From: "A study of the writings of existentialist philosophers such as Kierkegaard, Sartre and Camus, and phenomenologists such as Husserl, Merleau-Ponty and Heidegger."

To: "A study of the writings of existentialist philosophers such as Kierkegaard, Sartre and Camus and a survey of relevant Nineteenth Century Philosophers such as Hegel and Nietzsche."

Students who have taken this course under its former title EXISTENTIALISM AND PHENOMENOLOGY may not enrol in PHIL 280 for further credit.

Rationale: As presently offered (existentialism and phenomenology) the course has proven unsatisfactory. Not enough time for the existentialist and too little time for the extremely difficult material of the phenomenologists. It is now seen as a mistake to try to present phenomenology to students who have had little philosophy. It is really upper level material

The department wishes to list its courses by field, which will make some of these courses appear out of order.

Addition of Field Title:

EPISTEMOLOGY AND METAPHYSICS

The following two courses are continuations of PHIL 100 and 203 at a more advanced level.

Rationale: To provide greatest guidance for students who wish to continue their studies in particular fields of Philosophy.

page 187 Phil 301-3 NEW COURSE

New Field Title SEE APPENDIX F

LOGIC

The following three courses of concentrated work in logic and are continuations of Phil 210 and 214.

page 187 Phil 310-3

Change of Title

From: "Formal Logic"

To: "Modal Logic and its Applications"

DELETE DESCRIPTION

Change in Pre-requisites

From: "PHIL 210 or permission of the Department"

To: "Either PHIL 210, 214, or a suitable background in a related subject. Students who have taken this course under its previous title FORMAL LOGIC may not enrol in PHIL 310 for further credits."

Rationale:

Phil 310 has usually been taught as a modal logic course, with a brief review of propositional and lower predicate calculi. Now that 210 and 214 cover these calculi in some detail, 310 can be devoted entirely to the extensive field of modal logic.

page 187 Phil 314-3

Change in Pre-requisites

From: "PHIL 310 or permission of the Department."

To: "Either PHIL 210, 214, or a suitable background in a related subject."

Rationale:

This brings PHIL 314-3 into line with the redesigned PHIL 210-4 and the new PHIL 214-3.

page 188 Phil 414-5

Change in Pre-requisites SEE APPENDIX I

From: "PHIL 310 or permission of the Department."

To: "Either PHIL 310 or 314 recommended or a suitable background in a related subject."

Rationale: Since PHIL 414 is variable in content normally either advanced studies in logic (i.e. completion of either PHIL 310 and 314) or a suitable background in Mathematics or Computing Sciences would be adequate preparation. Individual offerings of this course will indicate the specific background necessary for enrolment in the course.

New Field Title

ETHICS

The following three courses are continuations of PHIL 120 and 220, and present a wide range of issues and topics in ethics, and political and social philosophy.

<u>NEW COURSE</u>	PHIL 320-3 SEE APPENDIX J
<u>NEW COURSE</u>	PHIL 321-3 SEE APPENDIX K

page 188 Phil 421-5

Change in Pre-requisites

From: "PHIL 120 or permission of the Department."

To: "Either PHIL 120, 320, 321, or a suitable background in a related subject."

Rationale: To bring 421 into line with the proposed new courses in ethics and social and political philosophy PHIL 320 and 321.

New Field Title

METHODOLOGY, SCIENCE, MIND, LANGUAGE

The following five courses introduce special areas of philosophical interest.

page 187

PHIL 340-3

Change in Pre-requisites

From: "Either PHIL 340 and 344 is a requisite for all minors, majors and honor in philosophy."

To: PHIL 210 or knowledge of quantification theory."

Rationale: Some training in logic is necessary for students taking this course. We have found many students to be inadequately prepared for it under present requirements.

PHIL 341-3

Change in Pre-requisites

ADD: PHIL 210 or knowledge of quantification theory.

Rationale: Because of the use of logic in much of the reading material, some training in logic is required. Past offerings of this course have sometimes been unsatisfactory because of unprepared students holding up what would have been a more advanced course for those who did know some logic.

ADD: The following two courses offer introductory and advanced work in the Philosophy of Language.

page 187

PHIL 344-3

Change in Pre-requisites

From: "Either PHIL 340 or 344 is a requisite for all minors, majors and honors in philosophy."

To: "PHIL 210 or knowledge of quantification theory."

Rationale: The Philosophy of Language has become a rather technical area, and some training in logic is necessary to read a good portion of the literature. In past offerings of this course and PHIL 444 some students were unprepared in logic. Those who were had to suffer needless (for them) review and the level of the content of the course was lower than it would have been with the proposed prerequisite.

ADD: HISTORY OF PHILOSOPHY

The following six courses are continuation of PHIL 150 and 151, and examine, at a more advanced level, the philosophical foundation of Western culture.

DELETE: PHIL 451-5

NEW COURSE PHIL 452-5 SEE APPENDIX P

Rationale: The old Kant course (451) was too specialized for an undergraduate program (especially since it rarely ever covered even the whole of the Critique of Pure Reason). A course connecting Kant to the Nineteenth Century would be more appropriate for our program and will satisfy the need for some Nineteenth Century philosophy in our present program. There is considerable student demand (and need) for such a course.

PHIL 453-5

Change of Title

From: "Background to Contemporary Philosophy"

To: "Background to Analytic Philosophy"

Rationale: This course is, as the description indicates, rather more limited in its content than the original title (Background to Contemporary Philosophy) indicated. E.g., Existentialism and Phenomenology are not discussed. The course as it has been taught is in fact a background to the work of Wittgenstein's early (Tractatus) period. The new title reflects this more accurately than did the original.

ADD: SEMINARS

The following three seminars will be devoted to a detailed study of a particular philosophical problem. They are primarily discussed forums in which faculty members and students present papers and lead discussion.

PHIL 360-5 Seminar I

PHIL 467-5 Seminar II

PHIL 468-5 Seminar III

HONORS TUTORIALS

The following courses are open only to honors students.

PHIL 477-5 HONORS TUTORIAL

DELETE: PHIL 402-5, PHIL 410-5 and PHIL 445-5

Number of New Courses

The new courses added in this proposal are:

- Phil 214: Elementary Formal Logic II
- Phil 301: Topics in Epistemology and Metaphysics
- Phil 320: Social and Political Philosophy
- Phil 321: Moral Issues and Theories
- Phil 452: Kant and the Nineteenth Century

The total number of new courses is five.

Courses being dropped from the program are:

- Phil 402: Philosophy of Perception
- Phil 410: Inductive Logic
- Phil 445: Theories of Explanation
- Phil 451: Kant

The total number of courses being dropped from the program is four.

The overall number of courses in the philosophy program thus increases by one. However, the two ethics courses (320, 321) have actually been in the program for several years having been taught as special topics courses. It is therefore not envisaged that the total number of courses offered by the department during any given semester will increase.

The above calculation does not include the proposed transfer of GS 201 to the philosophy department. A separate submission has been included which deals with the budgetary implications of the transfer.

SIMON FRASER UNIVERSITY

MEMORANDUM

To Dr. John Tietz, Chairman
Undergraduate Curriculum Committee
Department of Philosophy

From Dr. G.A.C. Graham, Chairman
Undergraduate Studies Committee
Department of Mathematics

Subject PHIL 210, 214, 310

Date October 13, 1978

The Philosophy Department's proposed course changes involving Phil 210, 214, 310 have been examined in our Department and we have found no objection to them. There is not significant overlap with any of our own courses and we are not opposed to the approval of the courses.

G.A.C. Graham
G.A.C. Graham

SIMON FRASER UNIVERSITY

MEMORANDUM

To: Prof. John Tietz, Chairman, Dept. Undergraduate Studies Committee, Department of Philosophy. Subject: Course proposal for PHIL.320:	From: L. Cohen, Chairman, Dept. Undergraduate Studies Committee, Department of Political Science Date: October 8, 1978
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I am sending along a copy of the memos forwarded to me by Professors Norton and Somjee concerning your new course proposal. Our Committee is pleased with your Department's agreement that:

- (a) you will not offer PHIL.320 in the same semesters we offer POL.411 (to be worked out in discussion of projected course offerings in each Department);
- (b) you will leave the responsibility for teaching Political Ideologies to the regular courses which we offer on that subject; and
- (c) you will consider a change of course title in order to further clarify the way in which your course differs from the subject matter we deal with.

We would appreciate a note from you confirming the above arrangements.

Professor Somjee has indicated a desire for further discussion with your Department regarding specific content areas of PHIL.320 in order to avoid any overlap. He will be contacting you directly in the near future in this regard.

Encs.
LC/mg

L. C.

JL

SIMON FRASER UNIVERSITY

MEMORANDUM

To L. Cohen, Chairman
Dept. Undergraduate Studies Committee
Subject Course proposal for Phil. 320

From J. Tietz, Chairman
Dept. Undergraduate Studies Committee
Date October 10, 1978

Thank you for your memo of Oct. 5. Taking your points in order, we will make every effort to offer Phil. 320 in alternate semesters from Pol. 411. However, it may be that simultaneous offerings of the two courses may be unavoidable. E.g., there may be groups of students in both of our departments who need and want the specific course offered by that department. In that case we will make an effort to avoid overlap by selecting topics and readings in such a way that Pol. 411 and Phil. 320 will compliment each other. I doubt very much whether this case will arise very often if at all.

Regarding the matter of Political Ideologies, we agree that these should be taught by the Political Science Department. Philosophical questions about ideologies (What is an ideology? Are ideologies morally regulative? etc.) may occur from time to time in Phil. 320, but when they do they will be discussed as the particular kind of philosophical questions they obviously are.

On the matter of the title for Phil. 320 (Social and Political Philosophy), we did consider a change but felt we couldn't come up with anything as good as the original proposal. The course is a topics course in the area of social-political philosophy and hence needs a rather general title. In addition, it is a standard title for courses like this offered in just about every philosophy department in North America. The general area of social-political philosophy is a traditional field of philosophic interest with its own vast literature and even a journal devoted specifically to it (Philosophy and Public Affairs). No doubt political scientists are interested in this area too and even discuss it in their courses, but our point is that as philosophers we are interested in politics and society in a specific way which identifies issues as uniquely philosophical.

As to the issue of consultation on course offerings and content, we are certainly prepared to discuss these matters with you. Our mutual goal is, I hope, to make these two courses complimentary with each other and we are prepared to do what we can.

J. Tietz

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

~~NEW COURSE PROPOSAL FORM~~

APPENDIX
A.

Change in Prerequisite only

Calendar Information

Department: Philosophy

Abbreviation Code: Phil Course Number: 203 Credit Hours: 3 Vector: 2-1-0

Title of Course: Epistemology and Metaphysics

Calendar Description of Course:

An examination of selected problems in the theory of knowledge and an introduction to such problems in metaphysics as the nature of space and time, other worlds, existence, personal identity, the relation between mind and body.

Nature of Course

Prerequisites (or special instructions): Either Phil 100 or 110,

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

~~OBJECTIVES OF THE COURSE~~ Justification Phil. 110 has come to be taught not simply as a logic course, but as a course dealing with many philosophic issues from the point of view of the structure of argument and reasoning. With this broader approach, Phil. 110 is an adequate preparation for Phil. 203.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep, 78 OCT 31 1978 14 Nov 78

R. O. Bradley
Department Chairman

R. C. Brown
Dean

Norman A. Raitley
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10-1-73

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

APPENDIX

B.

~~NEW COURSE PROPOSAL FORM~~

Change in Title, Description and Credit

Department: Philosophy

1. Calendar Information

Abbreviation Code: PHIL Course Number: 210 Credit Hours: 4 Vector: 3-1-0

Title of Course: Elementary Formal Logic I

Calendar Description of Course: A natural deductive treatment of propositional and first order logic (quantification theory), with particular attention to rules of valid reasoning and the analysis of arguments.

Nature of Course

Prerequisites (or special instructions):

Students who have taken this course under its previous title Elementary Formal Logic may not take Phil. 210 for further credit.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

3. ~~Objectives of the Course~~ Justification Title: addition of roman numeral 'I' to bring this course into sequence with Phil. 214 (Elementary Formal Logic II). Description: The course has never been adequately taught in accordance with its original description. So much was attempted and student interest usually took the class much deeper into natural deduction (for example) than had originally been envisaged. The material is much better divided over 2 courses. Credit: much more time is needed in 210 for exercises than was originally planned. Contact hours go up by 1 to a total of four (3 lecture hours, 1 tutorial hour).
4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sept 78

OCT 31 1978

14 Nov 78

R.D. Bradley
Department Chairman

R.C. Brown
Dean

William R. Kelly
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

Oct. 1978 22

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

APPENDIX C.

NEW COURSE PROPOSAL FORM

Calendar Information

Department: Philosophy

Abbreviation Code: PHIL Course Number: 214

Credit Hours: 3 Vector: 2-1-0

Title of Course: Elementary Formal Logic II

Calendar Description of Course:

Axiomatic propositional logic and first order logic (quantification theory).

Nature of Course

Prerequisites (or special instructions): Phil. 210 or suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved: Phil. 410 Inductive Logic

2. Scheduling

How frequently will the course be offered? Every other semester.

Semester in which the course will first be offered? Fall 1979

Which of your present faculty would be available to make the proposed offering possible? R.E. Jennings, S. Davis, P. Hanson, N. Swartz

Objectives of the Course

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep 78

Oct 3, 1978

14 Nov 78

Department Chairman

Dean

Chairman, SCUS

Elementary Formal Logic II
Philosophy 214-3

Axiomatic Propositional Logic; First Order Logic.

- I. The Concept of an axiomatic system
- II. Object language and meta|language
- III. Primitive symbols and well formed formulas
- IV. The concept of a proof (inference rules; derived rules of inference)
- V. Independence, completeness, and consistency

Bibliography

Listed below are representative texts.

Copi, I.M., Symbolic Logic (Macmillan: New York, 1968)

van Fraassen, B.C., Formal Semantics and Logic (Collier-Macmillan: Toronto, 1971)

Thomason, Richmond M., Symbolic Logic (Collier-Macmillan: Toronto, 1970)

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

Appendix D

Calendar Information

CHANGE OF NUMBER

Department: PhilosophyAbbreviation Code: Phil Course Number: 243 Credit Hours: 3 Vector: 2-1-0Title of Course: Historical Studies in the Philosophy of Science

Calendar Description of Course: This course will present some of the views held by important figures in the philosophy of science including Aristotle, Galileo, Bacon, Descartes, Newton, Kant, Poincare, etc. The format will be primarily chronological and will culminate with a study of views held by leading figures in the late 19th and 20th centuries.

Nature of Course

Lecture/Tutorial

Prerequisites (or special instructions): At least 15 semester hours recommended.

(DO NOT PRINT IN CALENDAR.)

Students with credit in G.S. 201 may not take this course for further credit.

What course (courses), if any, is being dropped from the calendar if this course is approved:

G. S. 201

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

Objectives of the Course4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty Sessional Instructorships funded through Continuing Studies

Staff

Library

Audio Visual

Space

Equipment

5. ApprovalDate: 28 Sept. 78OCT 31 197814 Nov 1978R. O. Brady
Department ChairmanR. Brown
DeanNorman L. Reilly
Chairman, SCUS

Additional course in the philosophy of science, transferred from General Studies

Present Calendar Description:

GS 201-3 Historical Studies in the Philosophy of Science

This course will present some of the views held by important figures in the philosophy of science including Aristotle, Galileo, Bacon, Descartes, Newton, Kant, Poincare, etc. The format will be primarily chronological and will culminate with a study of views held by leading figures in the late 19th and 20th centuries.

Prerequisite: Any 100 level course in science, mathematics, or philosophy. Students who have taken this course under its former number GS 201 may not take PHIL 243 for further credit.

This course would be transferred to the Philosophy department on the condition that funds for mounting it come from some other source other than our budget. The number of the course would be PHIL 243-3.

After an interchange of memos between the Philosophy department and the Faculty of Interdisciplinary Studies extending over several years, the Department has finally decided that the course described above is acceptable into its program. This course, under the number GS 201, has been approved by Senate and has been offered several times. I attach the original course proposal form prepared by Dr. Hannah Gay who designed the course and has taught it since its approval.

I also attach a memo from Dr. Calvert, Dean of the Faculty of Interdisciplinary Studies giving his approval of the transfer. The budget implications, as far as the Philosophy department is concerned, simply involve the need to seek funding for the course through Continuing Studies. The Department would select the instructor for the course. It should be noted in passing that in transferring GS 201 to the Philosophy department, Dr. Gay is not being added to our department. We may very well continue to select her as the course's instructor because of her (very high) qualifications, but that would be on a semester to semester basis as a Sessional Instructor. This proposal concerns only the course.

Academically, the reasons for transferring GS 201 are these: First, it is clearly a course which falls within the field of the philosophy of science. Within this field the history of science is a matter of philosophic (as well as historical) concern because the evolution of key scientific terms (Law, Theory, Mass, Energy, Matter, etc.) is intimately related to major historical philosophical debates. Not only are science and philosophy connected at the conceptual level, but the very nature of the history of science is philosophically debatable: does it change by slow evolutionary processes so there is just one view of the universe being gradually developed since the Sixteenth Century, or does science change by radical 'paradigm shifts' each comprising a different view of the universe? Second, as Dean Calvert suggests in his memo, this course may be more accessible to students in the arts and sciences faculties if they can receive Group A credit for it.

SIMON FRASER UNIVERSITY

MEMORANDUM

To Dr. Ray Bradley, Chairman,

Department of Philosophy

Subject Philosophy of Science course

From T.W. Calvert, Dean, Faculty of

Interdisciplinary Studies.

Date 5th December, 1977

As you know, Dr. Hannah Gay has been teaching G.S. 201-3, Studies in the Philosophy of Science, as a Sessional Instructor. I understand that there has been discussion in the past regarding the transfer of this course to Philosophy. If this is acceptable to your department, I suggest that you take appropriate action to initiate the change. There would not necessarily be any budget implications since the course is currently offered through Continuing Studies.

Informal evaluation suggests that the course is quite successful, and that both faculty and students in Science see the need for such a course. I believe it would be more accessible to them if it was offered through the Philosophy Department.

TWC/et

c.c. H. Gay
J. Munro



Thomas W. Calvert

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

Calendar Information

Department: N/A

Abbreviation Code: GS Course Number: 201 Credit Hours: 3 Vector: 2-1-0

Title of Course: Historical Studies in the Philosophy of Science

Calendar Description of Course: This course will present some of the views held by important figures in the philosophy of science including Aristotle, Galileo Bacon, Descartes, Newton, Kant, Poincare, etc. The format will be primarily chronological and will culminate with a study of views held by leading figures in the late 19th and 20th centuries.

Nature of Course Lecture/Tutorial

Prerequisites (or special instructions): Any 100 level course in science, mathematics, or philosophy

What course (courses), if any, is being dropped from the calendar if this course is approved: None.

2. Scheduling

How frequently will the course be offered? Yearly

Semester in which the course will first be offered?

Fall 1975

Which of your present faculty would be available to make the proposed offering possible?

3. Objectives of the Course

See attached

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty 1/4 sessional lectureship, on an annual basis

Staff

Library See attached resource list

Audio Visual

Space

Equipment

4. Approval

Date: October 9/74.

14 Nov 78

N/A

Department Chairman

Sam Brandt

Acting Dean

William R. Peckley

Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

5. Objectives of the Course

a) The object of this course is to acquaint the student with important historical views in the philosophy of science. The format will be primarily chronological though reference to related contemporary ideas will be made throughout. Readings will be selected primarily from original philosophical writings though in some cases, Newton for example, scientific texts will be studied so that comparisons between actual practice and methodological accounts can be made. The following nine sections will be assigned approximately equal times (weighted in favour of the late 19th and early 20th centuries) from which it can be seen that the course will give an overall introductory picture rather than a detailed analysis of any particular philosophy.

Outline

1) Introduction to classical views

- a) Aristotle - the inductive-deductive method; non-logical requirements for scientific explanation.
- b) The pythagorean view of nature.
- c) The classical origins of the tradition of 'saving the appearances'.
- d) Euclid; deductive systems the model for empirical systems?

2) 16th and 17th century philosophy of science

- a) Anti-Aristotelian philosophies: the Hermetic, neo-platonist and magical world views.
- b) Galileo's version of Aristotelian methodology: his Platonic ideas of abstraction and idealisation in science.
- c) Francis Bacon; methods of induction and exclusion; crucial experiments. The rejection of teleological explanation.
- d) R. Descartes; the rationalist viewpoint: mechanical world-views.

3) Newton

- a) Newton's account of his methods and of the structure of scientific theory.
- b) Newton's rules of reasoning.
- c) Interpretations of 'Hypotheses non-fingo'.
- d) Criticisms of Newton's account of science.

4) 18th century philosophy of science

- a) D. Hume; the principle of empiricism.
- b) I. Kant; the Kantian view of mathematics and of Newtonian mechanics.

5) Early 19th century philosophy of science; theories of scientific procedure

- a) J. Herschel; the continuation of the empirical tradition; the distinction between the discovery and justification of scientific theories.
- b) W. Whewell; the Kantian tradition; the philosophy of science based on historical studies.
- c) Naturphilosophie - the Divine plan of Nature: anti-materialism.

6) Inductivism; pro and con

- a) J.S. Mill; Inductivism.
- b) S. Jevons; the hypothetico deductive model for scientific explanation.
- c) C. Hempel; continuation of the deductive scheme.

7) Mid-Late 19th century philosophy of science

- a) Darwinism; its effect on the Platonic doctrines of ideal form and on Aristotelian final causes.
- b) H. H. Holtz; 19th century neo-Kantianism; the psychological school.
- c) E. Mach; sensationalism, conventionalism, the critique of Newtonian philosophy.
- d) K. Pearson; radical empiricism.
- e) P. Duhem; axiomatics; historical approaches to positivism; the conventionalist view.
- f) H. Poincare; the Kantian philosophy of arithmetic; the conventionalist philosophy of science and geometry.
- g) C. Pierce; indeterminism in physical theory; anti-inductionism.

8) Early 20th century views

- a) N.R. Campbell; analysis of science without reference to traditional philosophies; the roles of analogy and measurement in science.
- b) P.W. Bridgman; the influence of Duhem and Einstein; operationalism.
- c) Einstein's later neo-Kantian account of methodology in science.
- d) Planck's realism and Bohr's instrumentalism.
- e) J. Watson; behaviourism.
- f) Organismic arguments in Biology, Woodger and Haldane.
- g) H. Bergson's "creative evolution".

9) Mid 20th century views; a brief summary

- a) Modern empiricism; Kuhnian 'irrationality'; neo-Kantian philosophy.
- b) Problems of reduction in the physical and biological sciences; is quantum mechanics an anti-reductionist theory?
- c) Teleology and goal directed organization in biological systems.

Book List

Recommended

- J. Kockelmans (ed.) *Philosophy of Science: The Historical Background.* (Collier Macmillan 1968)
- J. Losee *A Historical Introduction to the Philosophy of Science.* (O.U.P. 1972)

Resource List for the Library

- | | |
|------------------|--|
| Aristotle | <i>Posterior Analytics</i> |
| G. Mathews (ed.) | <i>Plato's Epistemology</i> (Faber, 1972) |
| Ptolemy | <i>The Almagest</i> |
| Galileo | <i>Dialogue Concerning Two New Sciences</i> (H. Crew translation, 1950) |
| | <i>The Assayer</i> (Stillman Drake ed.) |
| F. Bacon | <i>New Organon</i> |
| R. Descartes | <i>Discourse on Method</i> |
| | <i>Principia</i> |
| I. Newton | <i>Mathematical Principles of Natural Philosophy</i> (A Motte translation 1962 ed.) |
| | <i>Optics</i> |
| D. Hume | <i>An Enquiry Concerning Human Understanding</i> ; A. Flew (ed.); <i>David Hume on Nature and the Understanding</i> , Collier 1962 |
| I. Kant | <i>Critique of Pure Reason</i> (Kemp Smith Trans) |
| | <i>Prolegomena and Metaphysical Foundations of Natural Science</i> |
| J.F.W. Herschel | <i>A Preliminary Discourse on the Study of Natural Philosophy</i> (1831) London, 1842. |
| W. Whewell | <i>The Philosophy of the Inductive Sciences Founded Upon Their History.</i> London 1840. |
| | or |
| | <i>The History of Scientific Ideas</i> (1847) |
| | <i>Norum Organon Renovatum</i> (1858) |
| | <i>On the Philosophy of Discovery</i> (1860) |

- J.S. Mill *A System of Logic*
- W.S. Jevons *The Principles of Science* - Dover edition (1958) - with an introduction by E. Nagel
- H. von Helmholtz *Popular Lectures on Scientific subjects* (trans. E. Atkinson) Appleton Century Crofts (1881)
- E. Mach *Popular Scientific Lectures* (Chicago 1943)
- The Science of Mechanics* (trans. T.J. McCormack) (La Salle 1960)
- K. Pearson *The Grammar of Science* (London 1911)
- P. Duhem *The Aim and Structure of Physical Theory* (New Jersey 1954, trans. P.P. Wiener)
- H. Poincare *Science and hypothesis* (trans. W.J. Greenstreet) (N.Y. 1957)
- The Value of Science* (trans. B. Halsted) (N.Y. 1958)
- Science and Method* (trans. F. Maitland) (N.Y. 1958)
- C. Pierce *Essays in the Philosophy of Science*
- N.R. Campbell *Foundations of Science. The Philosophy of Theory and Experiment* (N.Y. 1957)
- What is Science?* (N.Y. 1952)
- An Account of the Principles of Measurement and Calculation* (N.Y. 1928)
- P.W. Bridgeman *The Logic of Modern Physics* (N.Y. 1927)
- The Nature of Physical Theory* (Princeton 1936)
- The Nature of Some of Our Physical Concepts* (N.Y. 1937)
- S. Toulmin (ed.) *Physical Reality*
- N. Bohr *Atomic Physics and Human Knowledge*
- P. Schlipp (ed.) *A. Einstein - Philosopher Scientist*
- J.B. Watson *Behaviourism* (1925)
- J.H. Woodger *Biological Principles* (1929)
- J.S. Haldane *The Philosophical Basis of Biology* (1981)

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

APPENDIX E.

~~NEW COURSE PROPOSAL FORM~~

Change of Title and Description

Calendar Information

Department: Philosophy

Abbreviation Code: PHIL Course Number: 280 Credit Hours: 3 Vector: 2-1-0

Title of Course: Introduction to Existentialism

Calendar Description of Course: A study of the writings of existentialist philosophers such as Kierkegaard, Sartre and Camus and a survey of relevant Nineteenth Century philosophers such as Hegel and Nietzsche.

Nature of Course

Prerequisites (or special instructions):

Students who have taken this course under its previous title Existentialism and Phenomenology may not take Phil. 280 for further credit.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

~~Objectives of the Course~~ Justification. As presently offered (existentialism and phenomenology) the course has proven unsatisfactory. Not enough time for the existentialist and too little time for the extremely difficult material of the phenomenologists. It is now seen as a mistake to try to present phenomenology to students who have had little philosophy. It is really upper level material.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep. 78

OCT 1978

14 Nov 1978

R. D. Bradley
Department Chairman

R. Brown
Dean

Norman R. Reilly
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10-1-73

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

**APPENDIX
F.**

1. Calendar Information

Department: Philosophy

Abbreviation Code: Phil Course Number: 301 Credit Hours: 3 Vector: 2-1-0

Title of Course: Topics in Epistemology and Metaphysics

Calendar Description of Course:

A sequel to Philosophy 203. Possible topics include: Universals and particulars; Theories of knowledge (Realism, Idealism, Phenomenalism, Pragmatism, Rationalism, Empiricism); Understanding and knowledge; Induction; The metaphysical status of persons.

Nature of Course

Prerequisites (or special instructions): Phil 203 recommended.

What course (courses), if any, is being dropped from the calendar if this course is approved: Phil. 445 Theories of Explanation.

2. Scheduling

How frequently will the course be offered? Once yearly.

Semester in which the course will first be offered? Spring 1980.

Which of your present faculty would be available to make the proposed offering possible? L. Resnick, N. Swartz, D. Zimmerman, J. Tietz

3. Objectives of the Course

To provide the opportunity for more concentrated work in special areas of interest in metaphysics and epistemology. Previously, there was only one upper-level course in these areas in our program (455: Contemporary Issues in Epistemology and Metaphysics). But the vast historical and contemporary literature in these areas demands more attention. Although some of the indicated topics have received attention in other courses, this has been haphazard and we wish to concentrate our interest in the central areas of philosophy in a more organized fashion.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sept 78

Oct 1 1978

14 Nov 1978

Robert Bradley
Department Chairman

RC Brown
Dean

Norman R. Bailey
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

Topics in
Metaphysics and Epistemology

Philosophy 301

This course will be somewhat variable in choice of topics, depending on faculty and student interests. Possible topics are included in the list below.

- I. The structures of knowledge and belief
- II. Understanding and Knowledge
 1. possible subtopics include: Historicism, Hermeneutics, Verstehen; Scientific knowledge and reductionism; Skepticism, certainty, incorrigibility.
- III. Theories of Knowledge: Empiricism, Rationalism, Pragmatism, Naive-Realism, Critical (Representative) Realism, Idealism, Phenomenalism.
- IV. Things, substance, Identity and individuation.
- V. Truth: Coherence and Correspondence.
- VI. Universals and Particulars:
 1. Possible subtopics include: Language and the world; thinking and concepts; perception and abstract knowledge.
- VII. Other minds (Some philosophy of mind issues have metaphysical implications)
 1. Possible subtopics include: Primitiveness of persons vs. reductionism; direct knowledge of the self; consciousness; Cartesianism (Cogito, ergo sum; sum res cogitans); the nature of the mind and the nature of the brain;
- VIII. A priori Knowledge (Mathematics, analytic-synthetic distinction, Quine's naturalized epistemology.)
- IX. The problem of induction (Hume, Russell)

Bibliography

Listed below are representative texts from which readings may be chosen:

- Aune, Bruce, Rationalism, Empiricism and Pragmatism (Random House: N.Y., 1970)
- Butchvarov, Panayot, Resemblance and Identity (Indiana University Press: Bloomington, Indiana, 1966)
- Danto, Arthur, Analytical Philosophy of Knowledge (Cambridge University Press: Cambridge, 1968)

Griffiths, A. (ed.), Knowledge and Belief (Oxford University Press: London 1967)

Loux, Michael (ed.), Universals and Particulars (Doubleday: Garden City, N.Y., 1970)

Morick, Harold (ed.), Challenges to Empiricism (Wadsworth: Belmont, Calif. 1972)

Quinton, Anthony, The Nature of Things (Routledge and Kegan Paul: London and Boston, 1973)

Staniland, Hilary, Universals (Doubleday: Garden City, N.Y., 1972)

Taylor, Richard, Metaphysics (Prentice-Hall: Englewood Cliffs, N.J., 1964)

Woozley, A.D., Theory of Knowledge (Hutchinson: London, 1962)

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

APPENDIX

NEW COURSE PROPOSAL FORM

G.

Calendar Information Change of Title, Prerequisite and Description Department: Philosophy

Abbreviation Code: Phil Course Number: 310 Credit Hours: 3 Vector: 2-1-0

Title of Course: Modal Logic and its Applications.

Calendar Description of Course: No description.

Nature of Course

Prerequisites (or special instructions): Either Phil. 210, 214 or a suitable background in a related subject.

Students who have taken this course under its previous title Formal Logic may not take Phil. 310 for further credit.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

Objectives of the Course Justification Phil. 310 has usually been taught as a modal logic course, with a brief review of propositional and lower predicate calculi. Now that 210 and 214 cover these calculi in some detail, 310 can be devoted entirely to the extensive field of modal logic.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep 78

OCT 11 1978

14 Nov 78

R. D. Bradley
Department Chairman

R. C. Brown
Dean

Norman R. Kelley
Chairman, SCUS

~~NEW COURSE PROPOSAL FORM~~

H.

1. Calendar Information Change in Prerequisite Department: Philosophy
 Abbreviation Code: PHIL Course Number: 314 Credit Hours: 3 Vector: 2-1-

-- Title of Course: Topics in Logic I

Calendar Description of Course:

The examination of one or more topics such as: philosophical logic; denotic logic; the logic of knowledge and belief; the logic of preference; tense logics; foundations of set theory; recursive functions; the history of logic.

Nature of Course

Prerequisites (or special instructions):

Either Phil. 210, 214 or a suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

3. Objectives of the Course Justification. This brings 314 into line with the re-designed 210 and new 214.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sept 78

NO 31 1978

14 Nov 78

R. O. Bradley
Department Chairman

R. C. Brown
Dean

Norman L. Hartley
Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

~~XXXX COURSE 08090901 XXXXX~~

Appendix
I

Change in Prerequisite

Calendar Information

Department: Philosophy

Abbreviation Code: Phil Course Number: 414 Credit Hours: 5 Vector: 3-0-2

Title of Course: Topics in Logic II

Calendar Description of Course:

Nature of Course

Prerequisites (or special instructions):

Either Phil 310 or Phil 314 recommended or a suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

Objectives of the Course

Justification. Since Phil 414 is variable in content normally either advanced studies in logic (i.e. completion of either Phil 310 or 314) or a suitable background in Mathematics or Computing Sciences would be adequate preparation. Individual offerings of this course will indicate the specific background necessary for enrolment in the course.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep 78

OCT 31 1978

14 Nov 78

R. O. Bradley
Department Chairman

R. C. Brown
Dean

Norman R. Reilly
Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES
NEW COURSE PROPOSAL FORM

APPENDIX
3.

1. Calendar Information

Department: Philosophy

Abbreviation Code: PHIL Course Number: 320 Credit Hours: 3 Vector: 2-1-0

Title of Course: Social and Political Philosophy

Calendar Description of Course: An examination of an issue or a selection of issues in social and political philosophy. Contemporary or historical readings or a mixture of these will be used. Possible topics include justice, the law and legal systems, sovereignty, power and authority, democracy, liberty and equality.

Nature of Course

Prerequisites (or special instructions): Either Phil. 120, 220, or suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved: Phil. 402 Philosophy of Perception.

2. Scheduling

How frequently will the course be offered? Once Yearly.

Semester in which the course will first be offered? Spring 1980

Which of your present faculty would be available to make the proposed offering possible? D. Copp, D. Zimmerman

3. Objectives of the Course To provide more concentrated and advanced work in the extensive philosophical literature of the field. Several versions of this course have been given under "special topics" courses in the past, but there is good student interest and given the frequency of its offerings in the past we feel there is a need to regularize the course. Two faculty members are working in this field as a primary area of research interest and it has long been a goal of the department to broaden its offerings in ethics and social-political philosophy.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sept 78

OCT 31 1978

14 Nov 78

R. O. Bradley
Department Chairman

R. C. Brown
Dean

Norman R. Kelly
Chairman, SCUS

SCUS 73-34b:— (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10-173

Social and Political Philosophy

Philosophy 320

An examination of an issue or selection of issues in social and political philosophy. Contemporary or historical readings or a mixture of these will be used. Possible topics include justice, the law and legal systems, sovereignty power and authority, democracy, liberty, and equality.

The course will be variable in choice of topics depending on faculty and student interests. Possible topics are included in the list below:

- I. Justice: theories of distributive and retributive justice
- II. The Law and Legal Systems: issues in philosophy of law
- III. Political obligation
- IV. Collectives and Persons: including as subtopics, collective responsibility, nations and rights of nations
- V. Sovereignty, Power and Authority
- VI. Democracy, Liberty and Equality
- VII. Human Rights
- VIII. Political Theories, e.g., liberalism, Marxism
- IX. Ideology

Bibliography:

Listed below are some contemporary texts which may be used. In addition, readings in the history of social and political philosophy may be used.

R.B. Brandt, Social Justice

Marshall Cohen, et al., War and Moral Responsibility

Norman Daniels, Reading Rawls

Patrick Devlin, The Enforcement of Morals

R.M. Dworkin , The Philosophy of Law
_____, Taking Rights Seriously

Joel Feinberg, Social Philosophy

H.L.A. Hart, The Concept of Law

H.L.A. Hart, Law, Liberty and Morality

H.L.A. Hart, Punishment and Responsibility

Virginia Held, et al., Philosophy Morality and International Affairs

A.J. Melden, Human Rights

Robert Nozich, Anarchy, State and Utopia

Anthony Quinton, Political Philosophy

John Rawls, A Theory of Justice

Nicholas Rescher, Distributive Justice

Richard Wasserstrom, Morality and the Law

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

APPENDIX
K.Calendar InformationDepartment: PhilosophyAbbreviation Code: Phil Course Number: 321 Credit Hours: 3 Vector: 2-1=0Title of Course: Moral Issues and Theories

Calendar Description of Course: A study of a theory or theories in normative ethics, or of a specific moral issue. Possible topics include issues in medical ethics, moral personhood, free will, determinism and moral responsibility, utilitarianisms and their competitors, moral rights.

Nature of Course

Prerequisites (or special instructions): None - Phil. 120 or a suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved: None

2. Scheduling

How frequently will the course be offered? Once yearly

Semester in which the course will first be offered? Fall 1979

Which of your present faculty would be available to make the proposed offering possible? D. Copp, D. Zimmerman, S. Mendel

Objectives of the Course To compliment Phil 421 (Ethical Theories), which is a course in meta-ethics, with a course specifically designed to deal with concrete moral issues (so-called "normative" ethics). As with the proposed Phil 320, this course has been given several times under "special topics" readings, but it is offered about once a year and has generated enough student interest to be a regular course in our curriculum. It has been one of our curricular goals to expand our upper level offerings in ethics, and the people listed above were hired to develop and man that part of our program.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. ApprovalDate: 28 Sept 77007 11 197814 Nov 78

[Signature]
Department Chairman

[Signature]
Dean

[Signature]
Chairman, SCUS

Moral Issues and Theories

Philosophy 321

A study of a theory or theories in normative ethics, or of a specific moral issue. Possible topics include issues in medical ethics, moral personhood, free will, determinism and moral responsibility, utilitarianisms and their competitors, moral rights.

This course will be variable in content and may focus either on general normative theories or on specific moral issues. Possible topics include:

- I. Contemporary Moral Issues such as these arising in medicine:
 - (a) abortion
 - (b) euthanasia
 - (c) experimentation on human subjects
 - (d) allocation of scarce resources
 - (e) the right to health care
- II. Moral Personhood and moral agency.
- III. Positive and Negative Duties, Actions and Omissions.
- IV. Moral Rights.
- V. Free Will, Determinism and Moral Responsibility.
- VI. Theories of Value.
- VII. Teleological and Non-teleological theories: utilitarianisms and their competitors.

Bibliography:

Listed below are some contemporary texts which may be used. In addition, readings in the history of these topics may be used.

Michael O. Boyles, Contemporary Utilitarianism

Bernard Berofsky, Free Will and Determinism

Richard Brandt, Ethical Theories

Baruch Brody, Moral Rules and Particular Circumstances

M. Fried, Rights and Wrongs

Samuel Gorovitz, et. al., Moral Problems in Medicine

Hodgson, Consequences of Utilitarianism

Sidney Hook, Determinism and Freedom

David Lyons, Forms and Limits of Utilitarianism

A.J. Melden, Rights and Right Conduct

James Rachels, Moral Problems

W.D. Ross, The Right and the Good

J.J.C. Smart and B. Williams, Utilitarianism: For and Against

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

APPENDIX

L.

Change in Prerequisite

1. Calendar Information

Department: Philosophy

Abbreviation Code: Phil

Course Number: 421

Credit Hours: 5 Vector: 3-0-2

Title of Course: Ethical Theories

Calendar Description of Course:

Nature of Course

Prerequisites (or special instructions): either Phil. 120, 320, 321, or a suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

3. Objectives of the Course

Justification. To bring 421 into line with the proposed new courses in ethics and social and political philosophy (320, 321).

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sep 78

Robert L. Kelly
Department Chairman

Dr. Guro
Dean

Norman L. Kelly
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

APPENDIX M.

Change in Prerequisite

Department: Philosophy

Title of Course: Philosophical Methods

Calendar Description of Course:

An examination of various techniques which philosophers use to define, discover and deal with conceptual problems.

Prerequisites (or special instructions): Philosophy 210 or knowledge of quantification theory

What course (courses), if any, is being dropped from the calendar if this course is approved:

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

~~OBJECTION TO THE COURSE~~ Justification. Some training in logic is necessary for students taking this course. We have found many students to be inadequately prepared for it under present requirements.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Scarf

Library

Audio Visual

Space

Equipment

Date: 28 Oct 78

Robert Bradley
Department Chairman

REC-100-279

Reimer

Dean

144 Nov 1975
James R. Kelly
 Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

APPENDIX
N

~~NEW COURSE PROPOSAL FORM~~

Change in Prerequisite

1. Calendar Information

Department: Philosophy

Abbreviation Code: Phil

Course Number: 241

Credit Hours: 3

Vector: 2-1-0

Title of Course: Philosophy of Science

Calendar Description of Course:

A study of the nature of scientific enquiry, classificatory systems, laws and theories, the role of observation in science, the demarcation between science and non-science, causality, the status of theoretical constructs, and teleological explanation.

Prerequisites (or special instructions):

Phil. 210 or knowledge of identification theory.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

3. Justification. Because of the use of logic in much of the

reading material, some training in logic is required. Past offerings of this course have sometimes been unsatisfactory because of unprepared students holding up what would have been a more advanced course for those who did know some logic.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 25 Sept. 78

14 Nov 1978

ROB Bailey
Department Chairman

RC Brown
Dean

Norman R. Bailey
Chairman, SCUS

SCUS 73-36b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10.1.73

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

~~NEW COURSE PROPOSAL FORM~~
~~NEW COURSE PROPOSAL FORM~~

APPENDIX
O.

Calendar Information Change in Prerequisite Department: Philosophy
Abbreviation Code: PHIL Course Number: 344 Credit Hours: 3 Vector: 2-1-0
Title of Course: Philosophy of Language I
Calendar Description of Course:

An introduction to the major philosophic theories of language.

Nature of Course

Prerequisites (or special instructions): Phil. 210 or knowledge of quantification theory

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

~~Justification of the Course~~ Justification. The Philosophy of Language has become a rather technical area, and some training in logic is necessary to read a good portion of the literature. In past offerings of this course and Phil 444 some students were unprepared in logic. Those who were had to suffer needless (for them) review and the level of the content of the course was lower than it would have been with the proposed prerequisite.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 25 Apr 78

OUT 3 11 78

14 Apr 78

[Signature]
Department Chairman

[Signature]
Dean

[Signature]
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10.1.73

SENATE COMMITTEE ON UNDERGRADUATE STUDIES
NEW COURSE PROPOSAL FORM

APPENDIX
P

1. Calendar Information

Department: Philosophy

Abbreviation Code: PHIL Course Number: 452 Credit Hours: 5 Vector: 3-0-2

Title of Course: Kant and the Nineteenth Century

Calendar Description of Course: a survey of the work of Immanuel Kant and its influence on Nineteenth Century philosophy. Possible topics for discussion include: Hegel and Schopenhauer, Mill and Empiricism, Nietzsche, Kierkegaard, Marx, Comte and Positivism, Wagner.

Nature of Course

Prerequisites (or special instructions): Either Phil 353, 354 or 355, or a suitable background in a related subject.

What course (courses), if any, is being dropped from the calendar if this course is approved: Phil. 451 Kant

2. Scheduling

How frequently will the course be offered? Once every two years

Semester in which the course will first be offered? Fall 1980

Which of your present faculty would be available to make the proposed offering possible? J. Tietz, D. Todd, J. Bradley

3. Objectives of the Course

The old Kant course (451) was too specialized for an undergraduate program (especially since it barely ever covered even the whole of the Critique of Pure Reason). A course connecting Kant to the Nineteenth Century would be more appropriate for our program and will satisfy the need for some Nineteenth Century philosophy in our present program. There is considerable student demand (and need) for such a course.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date: 28 Sept 78

J. Bradley
Department Chairman

APPROVED

R. Brown
Dean

16 Nov 78

Norman D. Kelly
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

10/1/78 50

Kant and the Nineteenth Century

Philosophy 452

A survey of the work of Immanuel Kant and its influence on Nineteenth Century Philosophy.

I. Kant's Critical Philosophy

1. The honest broker
2. The A priori
3. Transcendental arguments
4. Regulative use of reason
5. Criticism of rationalistic metaphysics
6. Ethics and the Transcendental Self

Other topics may include:

I. Hegel and the Collapse of the Enlightenment

1. Hegel on reason and consciousness: Criticisms of Kant, Fichte, Schelling.
2. Knowledge and history
3. The absolute as Geist

II. Schopenhauer

1. The world as idea, as will
2. Nature of art

III. Marx and revolution

IV. Mill and Empiricism

V. Nietzsche and the will to power, on art, on consciousness as disease.

VI. Kierkegaard and subjectivity: a refutation of Hegel, or the best possible defence?

VII. Comte and Positivism

VIII. Wagner: art and salvation

Bibliography: The following includes representative texts from which readings will be chosen.

Primary Texts

Bretall, Robert (ed.), A Kierkegaard Anthology (Modern Library: N.Y. 1946)

Gardiner, Patrick (ed.), 19th Century Philosophy (Free Press, Collier-MacMillan: N.Y., London, 1969)

Kaufmann, Walter (ed.), The Portable Nietzsche (Viking Press: N.Y., 1954)

Loewenberg, Jacob (ed.) Hegel: Selections (Scribners: N.Y., 1929)

Parker, DeWitt (ed.), Schopenhauer: Selections (Scribners: N.Y., 1956)

Zweig, Arnulf (ed.), The Essential Kant (Mentor: N.Y. and Toronto, 1970)

Secondary Texts

Copleston, Frederick, A History of Philosophy (Volume 6, part 2, Volume 7; Volume 8, part 1 (Doubleday: Garden City, N.Y., 1964, 1965, 1967).

Findlay, J.N., Hegel: A Re-examination (Collier-MacMillan: N.Y. and Toronto, 1962)

Gardiner, P., Schopenhauer (Harmondsworth, 1963)

Kaufmann, Walter, Hegel: Reinterpretation, Texts & Commentaries (Knopf: N.Y., 1965)

MacIntosh, J. and Penelhum, T. (eds.), The First Critique (Wadsworth: Belmont, California, 1969)

MacIntyre, Alasdair (ed.), Hegel (Doubleday: Garden City, N.Y., 1972)

Peckham, Morris, Beyond the Tragic Vision (George Braziller: N.Y., 192)

Solomon, Robert (ed.), Nietzsche (Doubleday: Garden City, N.Y., 1973)

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

Change of title

Appendix
Q.

Calendar Information

Department: Philosophy

Abbreviation Code: phil Course Number: 501 Credit Hours: 5 Vector: 3-0-2

Title of Course: Background to Analytic Philosophy

Calendar Description of Course:

Nature of Course

Prerequisites (or special instructions):

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

Objectives of the Course Justification: This course is, as the description indicates, rather more limited in its content than the original title (Background to Contemporary Philosophy) indicated. E.g., Existentialism and Phenomenology are not discussed. The course as it has been taught is in fact a background to the work of Wittgenstein's early (Tractatus) period. The new title reflects this more accurately than did the original

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

5. Approval

Date:

[Signature]
Department Chairman

[Signature]
Dean

14 Nov 78
[Signature]
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

Oct. '73