

SIMON FRASER UNIVERSITY

MEMORANDUM

S76-17
(adjusted)

To SENATE

From GRADUATE STUDIES

Subject GRADUATE PROGRAM CHANGES -
COMMUNICATION STUDIES

Date DECEMBER 18, 1975

MOTION: "That Senate approve and recommend approval to the Board of Governors as set forth in S76-17 , the proposed changes in the Graduate program in Communication Studies including general requirements, course changes and proposed new courses CMNS 802-5, 834-5, 839-5."

SIMON FRASER UNIVERSITY

576-17

MEMORANDUM

To Members of Senate

From Jon Wheatley

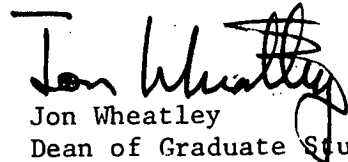
Dean of Graduate Studies

Subject GRADUATE CALENDAR CHANGES - Department
of Communication Studies

Date December 9, 1975

MOTION: That Senate approve the attached Graduate
Calendar Changes in the Department of Communica-
tion Studies.

These changes were approved by the Senate Graduate Studies
Committee on December 8, 1975.


Jon Wheatley
Dean of Graduate Studies

MM/lg

SIMON FRASER UNIVERSITY

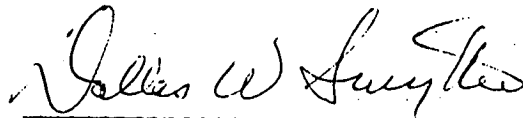
MEMORANDUM

To Dean Robert C. Brown, Faculty of
Interdisciplinary Studies.
Subject Proposed Revision, Graduate Courses
and Program.

From Dallas W. Smythe, Chairperson,
Communication Studies Department.
Date October 27, 1975.

Attached is the document which describes the changes in our Graduate program and courses which the Department of Communication Studies wishes to have considered for implementation for 1976-1977. These changes were approved by the Department at its meeting on October 27.

Our review of our graduate program followed on naturally from the review and revision of our undergraduate program which occupied our attention for months in 1974-75. While we are close to the deadline for consideration of such changes to take effect in 1976-1977, we hope that our production of the present document in less than two months is taken into account.



Dallas W. Smythe,
Chairperson,
Communication Studies Department.

DWS:lge

Attachment.

SIMON FRASER UNIVERSITY

MEMORANDUM

To Mr. Larry Thomas, Social Sciences
Librarian.
Subject

From Liora Salter, Chairperson, Graduate
Studies Committee, Communication Studies.
Date October 27, 1975.

Dear Sir:

The enclosed is our new graduate submission. As you will note there are three new course proposals. Please inform us if the library holdings are adequate in these areas.



Liora Salter,
Chairperson,
Graduate Studies Committee.

LS:lgc

Section IV - Summary - gives a list of all Communication Graduate offerings as they will exist if the present course changes are accepted, and contains a diagrammatic flow chart summarizing the progression of offerings towards the granting of a degree as Master of Arts in Communication Studies.

Section V - New Courses - provides necessary documentation of proposed new courses.

II. NEW CALENDAR STATEMENT

AREAS OF STUDY AND RESEARCH

The Department provides students at the graduate level with the foundations of knowledge and the problem centred approaches that will enable them to work with contemporary theories and problems in communication and social change. Particular emphasis is placed on general theoretical perspectives, intra- and interpersonal communication, and telecommunications and the political economy of communications media.

At present faculty resources provide for graduate studies in the following specific areas:

- a. The theoretical concepts and analytical tools basic to the investigation of communication processes as derived from philosophy, the social sciences, and from the analysis of biosocial system-environment relations in the human and natural ecosystems.
- b. Intrapersonal and interpersonal communication. In the latter, particular attention is given to applications of group dynamics to institutional settings.
- c. Communications media, telecommunications and the political economy of telecommunications. The analysis of the sociological and politico-economic complexities associated with the rapid development of communication technologies and systems. Research into certain aspects of the sound environment, its evolution and design with particular emphasis on contemporary problems.

Opportunities are provided for students to work in a variety of research areas. The following research facilities are an integral part of the department:

1. The Telecommunications Research Group which focuses on policy formulation and systems development at the regional, provincial and federal levels in Canada and abroad.
2. The Sonic Research Studio.
3. The Social Communications Laboratory.

Research training and experience will be a vital component of a student's program. When appropriate s/he will be given opportunities to work in field settings related to particular interests. In addition provision is made for students who wish to combine a Communication Program with studies elsewhere in the University. Suitably qualified candidates will be encouraged to undertake graduate studies in such areas as physical, biological and social sciences, linguistics, philosophy and education where these are related to their interest in Communication Studies.

The department has organized its offerings at both the undergraduate and graduate level into three major areas or "streams."

1. Communication Systems (course number, 840)
The theoretical and pragmatic consequences of a communication approach to societal and environmental analysis.
2. Communication Processes (course number, 820, 822, 825)
The nature and effects of the interactions which occur within and between individual persons and human systems.
3. Communication Institutions (course numbers, 830, 834, 839)
The structure and functioning of organization related to technically mediated communication systems.

In addition the courses fall into a pattern having four elements as follows:

1. Core courses (course numbers, 800, 801, 802)
One of three is required.
2. Areas of Specialization (course numbers, 820, 822, 825, 830, 834, 839, 840).
3. Advanced or specialized work (course numbers; 850, 852, 855, 856).
4. Thesis or Project.

ADMISSION

Admission to the department does not guarantee progression to the degree. A period of mutual appraisal ~~lasting up to one and one-half semesters shall precede~~ *which may last up to one and one-half semesters may precede* recommendation of a supervisor and degree program. All incoming students are encouraged to consult with a faculty member or the Departmental Graduate Studies Committee either of whom may serve in an advisory capacity, concerning the program and/or these requirements.

DEPARTMENT OF COMMUNICATION STUDIES
PROPOSAL FOR CURRICULUM AND CALENDAR REVISIONS
GRADUATE PROGRAMME

I. PREAMBLE: ORGANIZATION OF THE GRADUATE PROGRAMME OFFERINGS
AND CALENDAR STATEMENT.

The Department of Communication Studies has now completed more than two years of its graduate programme. As a result, review of the teaching experience, discussions with students and consultations outside the Department itself, the Department is recommending the following refinements in curriculum and programme. The changes are, for the most part, organizational and editorial, serving to allow the student to better orient her/himself to the streams within the Department, the areas of specialization of research, and to the possible progression of specific courses.

We have discussed and agree upon the following rationale:

- a. That graduate offerings should be organized to recognize the streams within the Department, and the areas of specialization of graduate faculty.
- b. That the Department should offer a comprehensive study of the basic or core material in the field in a systematic way.
- c. That advanced work in an area of specialization should be by arrangement between the student or group of students and the instructor.
- d. That the pattern of offerings should recognize a progression towards a specialized research area but that flexible requirements should allow students to proceed, with the advice of their supervisor, as their individual programme demands.

The following Section II - New Calendar Statement (to be inserted in the Revised Calendar) outlines the streams available, the areas of specialization, the research facilities available and the requirements for admission and completion of the programme.

Section III - Course Changes and Additions - gives details on the calendar and course revisions that will be necessary.

For Admission requirements refer to General Regulations section.

Applicants must satisfy the Departmental Graduate Studies Committee as to their readiness to undertake studies in this field. This will entail holding a bachelor's degree with at least a good second class standing in Communication Studies or one of the social sciences.

Exception: A student with incomplete academic preparation for the program may be required to take up to 12 hours of additional work in the departmental undergraduate program. The Departmental Graduate Studies Committee will specify these requirements for the incoming student.

In addition to University requirements all applicants are required to furnish the following:

1. sample(s) of scholarly work.
2. a short statement of interest
3. a description of previous relevant employment,

Qualified students will be accepted into the program only if in the opinion of the Departmental Graduate Studies Committee a suitable supervisor is likely to be available.

SUPERVISORY COMMITTEE

New students to the department should consult with a faculty advisor or the Departmental Graduate Studies Committee for help in selecting courses and in developing their programs. A thesis supervisor should be selected and a Supervisory Committee formed for the student by the ~~end~~^{middle} of his/her third semester in the program. In the event that a student has failed to do this, the Departmental Graduate Studies Committee will review the situation and may advise the student to withdraw from the program.

Students have the right to discuss their program with the Departmental Graduate Studies Committee at any stage, to ask for review of any recommendation or to appeal to the department. The Supervisory Committee, once formed, shall have the responsibility for determining in consultation with the student the program of study and ensuring that the candidate fulfils all degree requirements.

DEGREE REQUIREMENTS

Candidates for a Master's degree must complete the following requirements:

1. A minimum of twenty hours of graduate work consisting of:

- a. One of CMNS 800, 801 or 802, and
- b. any three additional graduate courses

At least two courses of the four must be taken within the department.

2.
 - a. An original thesis; or
 - b. An original project which, because of content or method, does not conform to the usual definition of a thesis.

DESCRIPTION OF COMMUNICATION STUDIES GRADUATE COURSES

Core Courses:

The following three courses are core courses in the graduate programme. Students are required to take at least one of these courses.

CMNS 800-5. Contemporary Approaches in Communication Studies.

This course is designed to acquaint students with current perspectives in communication studies. Topics will include recent advances in communication theory and methodology (information theory, macro-and micro communication systems) and major approaches in the study of communication behavior (intrapersonal and interpersonal).

CMNS 801-5. Design and Methodology in Communication Research

Problems and methods of communication research. Theoretical assumptions of communication methodology. Examination of research studies and field studies as case study examples. Students will design a research project in a selected area.

CMNS 802-5. History of Communication Theory.

An historical analysis of classic works in communication theory.

Areas of Specialization:

The following courses represent areas of specialization within the Department of Communication Studies, and cover introductory level graduate work in each.

CMNS 820-5. Interpersonal and Group Processes

A review of major theories in interpersonal communication including a laboratory in group process research techniques. Analysis of verbal and non-verbal dimensions. Application of group dynamics to human interaction in various settings.

CMNS 822-5. Human Factors in Communication

A review of selected factors governing the human intake of information including verbal and non-verbal behavior and socio-cultural forces. Attention will be given to applications of these factors in education and other methods of facilitating change in human behavior.

CMNS 825-5. The Social Matrix of Communication

A study of factors governing the flow of information in society, including social values, communication media, institutional and organizational settings, roles, power, status.

CMNS 830-5. Communications Media: Research and Development

An analysis of specific problems centred on the sociological and politico-economic complexities associated with the rapid expansion of communications technologies and systems. Particular attention will be paid to the relation of communications policy to social and economic development in Canada and in Third World countries.

CMNS 834-5. Political Economy of Communications

The course will concentrate on the political-economic-social process which produces structures and policies of mass media and telecommunication agencies in their historical setting at local, national and ideological bloc levels.

CMNS 839-5. Acoustic Dimensions of Communication

Special topics in sound and communication studies with emphasis on specific problems in psycho-acoustics, theories of sound cognition and information processing, soundscape studies, acoustic design, community noise surveys, media analysis and related technology. Students will gain experience in designing and conducting research projects in one of these areas.

Prerequisite: CMNS339 or equivalent

CMNS 840-5 Advanced Communication Theory

Seminar on contemporary theories of communications and review of applications.

Advanced Graduate Work and Individual Study:

These courses must be arranged with the teaching faculty on an individual or small group basis. Permission of the instructor is required.

CMNS 850-5. Directed Readings and Research

Pursuance of particular areas of interest related to student's program.

CMNS 851-5. Directed Study

Pursuance of interest in specific areas, including field studies related to the student's programme. May include work and study in supervised professional settings.

CMNS 855-5. Selected Topics

Concentrated studies in areas of student specialization.

CMNS 856-5. Graduate Seminar

Advanced work in an area of specialization. Review and evaluation of research in progress.

CMNS. 895. Project Submission

Students are permitted as an alternative to a formal thesis, to pursue an original production or research under the direction of a Supervisory Committee.

CMNS 898 Thesis

III. COURSE CHANGES AND ADDITIONS

The following is a list of those courses for which we are seeking editorial changes, revised numbers, or introduction as new courses. These are discussed in detail on the following pages. The changes in course numberings are designed for both stream identification, and clarification of the pattern of offerings.

A. COURSES REQUIRING EDITORIAL AND NUMBERING CHANGES

a. General

Remove from CMNS 800-5 and CMNS 801-5, "This course or equivalent is required for all graduate students."

b. Core Courses

Add: The following three courses are core courses in the graduate programme. Students are required to take at least one of these courses.

1. CMNS 800-5. Contemporary Approaches in Communication Studies

Course description - change to:

"This course is designed to acquaint students with current perspectives in communication studies. Topics will include recent advances in communication theory and methodology (information theory, macro-and micro communication systems) and major approaches in the study of communication behavior (intrapersonal and interpersonal)."

2. CMNS 801-5. Design and Methodology in Communication Research

Course description - change to:

"Problems and methods of communication research. Theoretical assumptions of communication methodology. Examination of research studies and field studies as case study examples. Students will design a research project in a selected area."

c. Areas of Specialization

Add: The following courses represent areas of specialization within the Department of Communication Studies, and cover introductory level graduate work in each.

1. CMNS 820-5. Interpersonal and Group Processes

Title: Interpersonal and Group Processes. Delete "1"

Course Description: - change to

"A review of major theories in interpersonal communication including a laboratory in group process research techniques. Analysis of verbal and non-verbal dimensions. Application of group dynamics to human interaction in various settings."

Note: CMNS 820-5 remains unchanged; CMNS 821 has been telescoped into CMNS 820.

2. CMNS 822-5. Human Factors in Communication

Course Number: Change from 810-5 to CMNS 822-5.

3. CMNS 830-5. Communications Media: Research and Development

Title: Communications Media: Research and Development. Delete "1"

Course Description: - change to

"An analysis of specific problems centred on the sociological and politico-economic complexities associated with the rapid expansion of communications technologies and systems. Particular attention will be paid to the relation of communications policy to social and economic development in Canada and in Third World countries."

Note: CMNS 831-5 has been telescoped into CMNS 830-5.

d. Advanced Graduate Work and Individual Study.

Add: These courses must be arranged with the teaching faculty on an individual or small group basis. Permission of the instructor is required.

1. CMNS 851-5. Directed Study

Title: "Directed Study", change from "Field Study"

Course Number: Change from CMNS 870-5 to CMNS 851-5.

Course Description: - change to

"Pursuance of interest in specific areas, including field studies related to the student's programme. May include work and study in supervised professional settings."

Delete: "Requires approval of the Students Supervisory Committee."

2. CMNS 855-5. Selected Topics.

Course Number: Change from CMNS 860-5 to CMNS 855-5.

3. CMNS 856-5. Graduate Seminar.

Course Number: Change from CMNS 880-5 to CMNS 856-5.

Course Description:

"Advanced work in an area of specialization. Review and evaluation of research in progress."

B. NEW COURSES

(See New Course Proposals Attached)

The following courses are included to meet the requirements of the revised program.

a. Core Courses1. CMNS 802-5. History of Communication Theory

New course. Necessary as core course in programme.

b. Areas of Specialization:1. CMNS 834. Political Economy of Communication

New Course. Necessary as a course in an area of specialization in the field. No present course deals with this area.

2. CMNS 839. Acoustic Dimensions of Communication

New course. Necessary as a course in an area of specialization in the field. No present course deals with this area.

IV. SUMMARY

Table 1 is a complete list of all communication graduate course offerings as they will exist if the proposed changes are accepted.

Figure 1 (attached) is a diagrammatic flow chart summarizing the pattern of offerings within the graduate programme.

TABLE I

COMMUNICATION STUDIES GRADUATE COURSE LIST (AS REVISED)

(* NEW COURSES)

(** NEW NUMBERS)

COURSE NO.	TITLE	CHANGES (IF ANY)
CMNS 800-5	Contemporary Approaches in Communication Studies	editorial changes in course description only
CMNS 801-5	Design and Methodology in Communication Research	editorial changes in description
*CMNS 802-5	History of Communication Theory	new course
CMNS 820-5	Interpersonal and Group Processes	minor title change
**CMNS 822-5	Human Factors in Communication	revised number, replaces CMNS 810-5
CMNS 825-5	The Social Matrix of Communication	no change
CMNS 830-5	Communications Media: Research and Development	minor title change, editorial changes in description
*CMNS 834-5	Political Economy of Communications	new course
*CMNS 839-5	Acoustic Dimensions of Communication	new course
CMNS 840-5	Advanced Communication Theory	no change
CMNS 850-5	Directed Readings	no change
**CMNS 851-5	Directed Study	revised number and title. Replaces CMNS 870-5
**CMNS 855-5	Selected Topics	revised number, replaces CMNS 860-6
**CMNS 856-5	Graduate Seminar	revised number, replaces CMNS 880-5
CMNS 895	Project Submission	no change
CMNS 898	Thesis	no change

TABLE I - CONTINUED

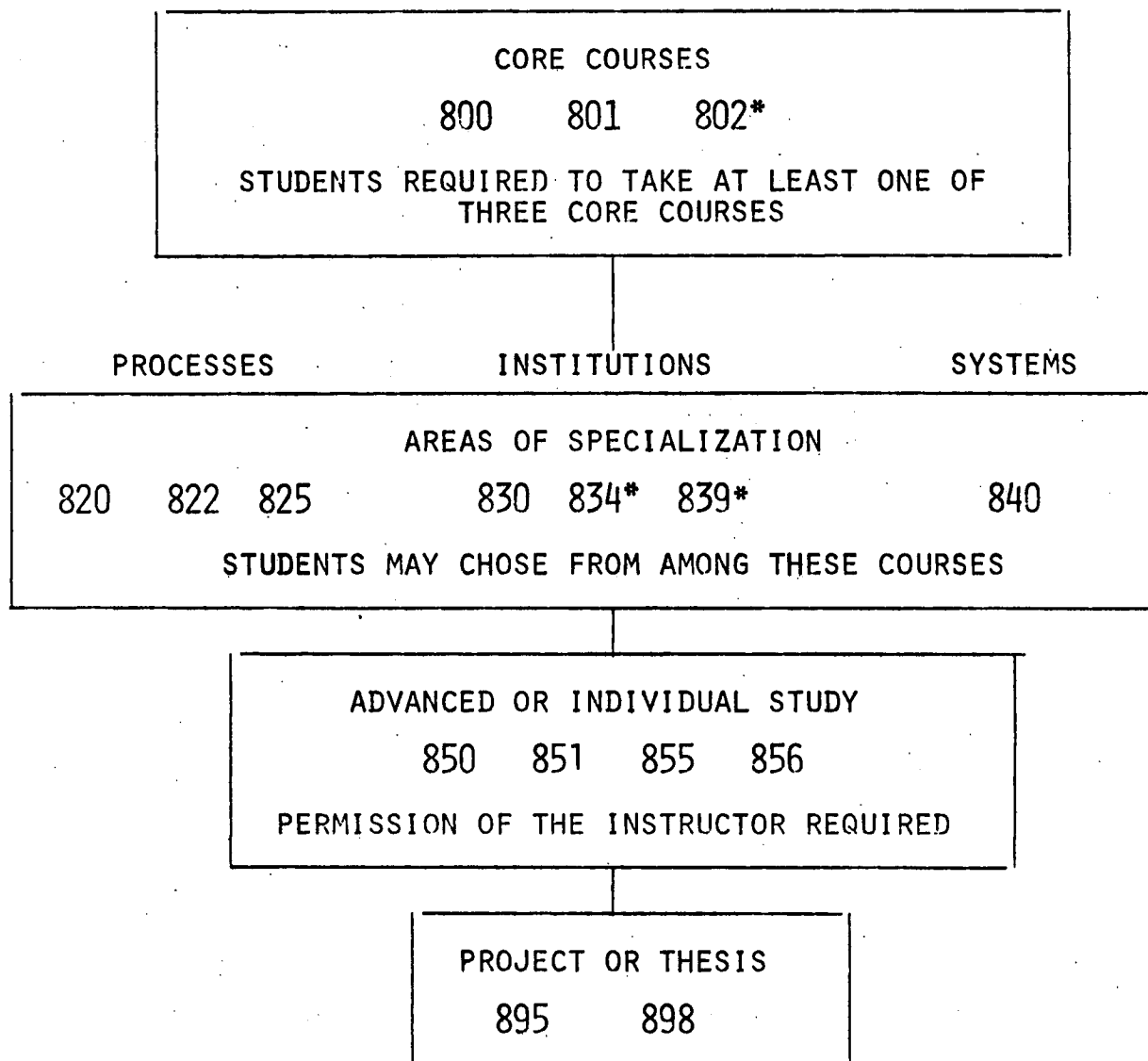
- Note:
- A. When CMNS 822-5 is introduced, CMNS 810-5 will be discontinued
When CMNS 851-5 is introduced, CMNS 870-5 will be discontinued
When CMNS 855-5 is introduced, CMNS 860-5 will be discontinued
When CMNS 856-5 is introduced, CMNS 880-5 will be discontinued
 - B. CMNS 821-5 is being collapsed into CMNS 820-5
CMNS 821 will be discontinued.

CMNS 831-5 is being collapsed into CMNS 830-5
CMNS 831 will be discontinued.

FIGURE I

STUDENT DIAGRAMMATIC FLOW CHART
GRADUATE STUDIES

* NEW COURSE



V. NEW COURSE OFFERINGS

See attached documentation.

New Graduate Course Proposal FormCALENDAR INFORMATION:Department: Communication Studies Course Number: CMNS 802-5Title: History of Communication TheoryDescription: A historical analysis of classic work in communication theory.Credit Hours: 5 Vector: 0-3-0 Prerequisite(s) if any: NoneENROLLMENT AND SCHEDULING:Estimated Enrollment: 10-15 When will the course first be offered: 1976-3 or 1977-1How often will the course be offered: Once each yearJUSTIFICATION:To provide students with the necessary theoretical and historical background in the field, and an understanding of the breadth of the field.RESOURCES:Which Faculty member will normally teach the course: Dallas Smythe, Anthony WildenWhat are the budgetary implications of mounting the course: NoneAre there sufficient Library resources (append details): Yes (see bibliography)

Appended: a) Outline of the Course
 b) An indication of the competence of the Faculty member to give the course.
 c) Library resources

Approved: Departmental Graduate Studies Committee: _____ Date: _____

Faculty Graduate Studies Committee: _____ Date: _____

Faculty: R. Brown Date: 30 Oct 75

Senate Graduate Studies Committee: _____ Date: _____

Senate: _____ Date: _____

CMNS 802-5. HISTORY OF COMMUNICATION THEORY

4a. Outline of Course:

An historical analysis of classic works in communication theory. Schools of thought from an historical perspective. Methodological roots of communication theory.

4b. Faculty Member Competence

Both Smythe and Wilden are internationally recognized communication scholars and have previous experience in teaching in this area.

4c. Library Resources

See bibliography.

CMNS 802-5. HISTORY OF COMMUNICATION THEORY

- Ashby, R. An Introduction to Cybernetics
- Bateson, G. Steps to an Ecology of Mind
- Bernal, J.D., Science in History
The Social Function of Science
- Buckley, Walter, (ed.) Modern Systems Research for the
Behavioral Scientist
- Marcuse, H., One Dimensional Man
- Matson, Floyd W., The Broken Image
- Shannon, C., and Weaver, W., The Mathematical Theory of Communication, 1949
- Smith, A.G., (ed.) Communication and Culture
- Veblen, T., The Theory of Business Enterprise
- Watzlawick L., et al, Pragmatics of Human Communication
Scientific American. Selected reprints in Communication.

New Graduate Course Proposal FormCALENDAR INFORMATION:

Department: Communication Studies Course Number: CMNS 834-5
 Title: Political Economy of Communications
 Description: The course will concentrate on the political-economic-social process which produces structures and policies of mass media and telecommunication agencies in their historical setting at local, national and ideological bloc levels.
 Credit Hours: 5 Vector: 0-3-0 Prerequisite(s) if any: None

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 5-8 When will the course first be offered: 1976-3 or 1977-1
 How often will the course be offered: Maximum one per year, minimum one per two years

JUSTIFICATION:

This course will allow students to pursue studies and research in problems of organizational policy and the economic implications of policy determination in mass media and telecommunications.

RESOURCES:

Which Faculty member will normally teach the course: Dallas W. Smythe
 What are the budgetary implications of mounting the course: None

Are there sufficient Library resources (append details): YES

Appended: a) Outline of the Course
 b) An indication of the competence of the Faculty member to give the course.
 c) Library resources

Approved: Departmental Graduate Studies Committee: _____ Date: _____

Faculty Graduate Studies Committee: _____ Date: _____

Faculty: KC Brown Date: 30 Oct 75

Senate Graduate Studies Committee: _____ Date: _____

Senate: _____ Date: _____

CMNS 834-5. POLITICAL ECONOMY OF COMMUNICATIONS

4a. Outline of Course

The course will concentrate on the political-economic-social process which produces structures and policies of mass media and telecommunication agencies in their historical setting at local, national and ideological bloc levels. Theoretical and practical problems of organization and policy at provincial and national levels in Canada and internationally will be studied. The course will also cover radio spectrum allocation processes and their consequences. The economics of advertiser supported mass media, the economics of telecommunications and the radio magnetic spectrum, and the economics of the postal service will be examined.

4b. Faculty Member Competence

Dallas Smythe is an internationally recognized scholar in this area.

4c. Library Resource

Bibliography attached - holdings adequate.

DEPARTMENT OF COMMUNICATION STUDIES

Outline - Communication Studies 834

Political Economy of Communications

1. Economics of advertiser-supported mass media. Analysis of the product (audiences), the process and consequent relations to leisure, time use, and values.

Required Reading:

Advertising Age

Variety

Marx, Karl, Grundrisse

Marx, Karl, German Ideology

de Grazia, Sebastian, Of Time and Leisure

Veblen, T. Theory of Business Enterprise

2. Economics of telecommunications and the radio-magnetic spectrum.

Required Reading:

J.T.A.C., Radio Spectrum Conservation

Levin, H., The Invisible Resource

Telecommission (Ottawa) numerous monographs.

3. Economics of postal service.

Coddino, G.A., The Universal Postal Union

Smith, W.A., The History of the Post Office in British North America

Numerous white papers, annual reports, of the Canadian Post Office.

Course requirements: Preparation and presentation of papers to seminar.

New Graduate Course Proposal FormCALENDAR INFORMATION:Department: Communication Studies Course Number: CMNS 830-5Title: Acoustic Dimensions of CommunicationDescription: Special topics in sound and communication studies with emphasis on specific problems in psycho-acoustics, theories of sound cognition and information processing, soundscape studies, acoustic design, community noise survey, media analysis and related technology. Students will gain experience in designing and conducting research projects in one of these areas.Credit Hours: 5 Vector: 0-3-3 Prerequisite(s) if any: CMNS 335 or equivalentENROLLMENT AND SCHEDULING:Estimated Enrollment: 3-6 When will the course first be offered: 1976-3 or 1977-1How often will the course be offered: Maximum one per year, minimum one per two yearsJUSTIFICATION:To allow students to pursue studies and research with the Sonic ResearchStudio and in sonic and soundscape studies.RESOURCES:

Which Faculty member will normally teach the course: _____

What are the budgetary implications of mounting the course: None beyond possiblelibrary holdings expansionAre there sufficient Library resources (append details): See bibliography

- Appended:
- a) Outline of the Course
 - b) An indication of the competence of the Faculty member to give the course.
 - c) Library resources

Approved: Departmental Graduate Studies Committee: _____ Date: _____

Faculty Graduate Studies Committee: _____ Date: _____

Faculty: RC Brown Date: 30 Oct 75

Senate Graduate Studies Committee: _____ Date: _____

Senate: _____ Date: _____

CMNS 839-5. Acoustic Dimensions of Communication

4a. Outline of Course:

This course is designed to acquaint students with important issues in sonic studies that have a bearing on communication studies. It will provide an opportunity for students to consolidate their research skills through studio analysis, field surveys, studio technique and related computer systems. Secondly it will familiarize students with literature available in this area (see bibliography).

4b. Faculty Member Competence:

The Sonic Research Studio has been an integral part of the Communication Studies Department programme and research since its inception. Courses are now being taught in this area by sessional lecturers but it is expected that permanent faculty associated with this research will be appointed in 1975 to replace R. M. Schafer.

4c. Library resources:

Through the teaching of undergraduate courses in this area a reasonable base of library resources has been established. It is not anticipated that a large number of new acquisitions will be necessary.

I. SOUNDSCAPE STUDIES:

The following material has been produced by and is available from:

World Soundscape Project
Communication Studies Department
Simon Fraser University
Burnaby, B.C., Canada, V5A 1S6.

(A) Journal:

The Music of the Environment, Edited by R. Murray Schafer, Vienna: Universal Edition No. 26912, 1973.

Summary of Contents:

1. Natural Sounds
2. The Industrial Revolution and the Acoustic Community
3. Acoustic Design
4. The Recovery of Positive Silence

(B) Documents:

Schafer, R. Murray, The Book of Noise, Vancouver: Price Printing, 1970.
(2nd edition: Price, Millburn & Co., Wellington, New Zealand)

- a primer on noise pollution for the citizen; also suitable for schools.

Schafer, R. Murray; Davis, Bruce; and Fawcett, Brian, Okeanos.

- a 90-minute quadraphonic tape composition in which a "genealogy of images" of the sea attempts to bring a sense of ocean to the listener. Available on rental from Berandol Music, 11 St. Joseph St., Toronto, Ont., M4Y 1J4.

A Dictionary of Soundscape Ecology, Barry Truax, ed.

- a compendium of sound related technology.

A Survey of Community Noise By-Laws in Canada, Kathleen Swink, Co-ordinator of this subproject, 1972.

- a compendium of noise legislation in all major Canadian cities. Included are two essays:
 - (a) an introduction to the survey itself, the effects of noise and the state of Canadian noise control legislation in general.
 - (b) an essay by J. J. Becker (Barrister and Solicitor, B.C.) "Noise and the Law: A Guide to citizen action".

The Vancouver Soundscape - two long playing recordings with a booklet (72 p.) detailing the acoustic environment of Vancouver, to be reprinted as the second issue of the journal The Music of the Environment.

Contents of booklet:

- (a) Some Earwitness Accounts
- (b) A Thumbnail Historical Sketch
- (c) Features of the Vancouver Soundscape
- (d) Hi-Fi to Lo-Fi Soundscape
- (e) Toward Acoustic Design

Soundscapes of Canada - a series of ten hour-long radio broadcasts designed to introduce the public to the main themes of Soundscape research.

Programmes:

- (1) Six Themes of the Soundscape, by Barry Truax and R. Murray Schafer.
- (2) Part One: Listening, with R. Murray Schafer.
Part Two: Games, by Bruce Davis.
- (3) Signals, Keynotes, and Soundmarks, by Bruce Davis and R. Murray Schafer.
- (4) Soundmarks of Canada, by Peter Huse.
- (5) Summer Solstice
- (6) Directions, by Peter Huse.
- (7) Part One: Dawn Chorus.
Part Two: Work, by Bruce Davis.
- (8) Part One: A Maritime Diary, by Barry Truax.
Part Two: Soundscape Design, by R. Murray Schafer.
- (9) A Radio Programme About Radio, by Howard Broomfield.
- (10) Part One: Soundscape Study, by Barry Truax.
Part Two: Bells of Percé, by Bruce Davis.

Schafer, R. Murray. The Tuning of the World.

- Part One: First Soundscapes: (The Natural Soundscape, the Sounds of Life, the Rural Soundscape, From Town to City, Music and the Rural Soundscape);
- Part Two: The Post-Industrial Soundscape: (The Industrial Revolution, The Electric Revolution, Changing Perceptions and Music);
- Part Three: Analysis: (Notation, Classification, Perception, Morphology, Symbolism, Noise);
- Part Four: Towards Acoustic Design: (Listening, The Acoustic Community, Rhythm and Tempo in the Soundscape, the Acoustic Designer, The Soniferous Garden, Silence, The Music Beyond).

(C) Related Publications:

Educational booklets by R. Murray Schafer: Ear Cleaning; When Words Sing; The New Soundscape; The Composer in the Classroom, Berandol and Universal Edition.

Truax, Barry. "Soundscape Studies: An Introduction to the World Soundscape Project". Numus West, No. 5, (1974), 36-39.

Sound Heritage, W. J. Langlois, Editor. Volume 3, No. 4, (1974), Victoria: Provincial Archives.

Contents:

- (a) Notes from Aural History, Provincial Archives of British Columbia.
- (b) Commentary: Aural History and the World Soundscape Project.
- (c) Listening, by R. Murray Schafer (from The Tuning of the World).
- (d) Soundwalking, by Hildegard Westerkamp.
- (e) Cross-Canada Soundscape Tour, by Bruce Davis and Peter Huse.
- (f) Review: The Vancouver Soundscape, by Max Wyman.

Davis, Bruce. "FM Radio as Observational Access to Wilderness Environments." Alternatives, Perspectives on Society and Environment, Vol. 4, No. 3, Spring 1975.

Truax, Barry. "Soundscape and Technology." Unpublished paper delivered to the Canadian Association of University Schools of Music, Edmonton, June 1975.

II. ACOUSTICS AND PSYCHOACOUSTICS:

- Backus, John. The Acoustical Foundations of Music. New York: Norton, 1969.
- Care, J. Sensory Mechanisms. New York: MacMillan, 1966.
- Ford, R. D. Introduction to Acoustics. Amsterdam: Elsevier, 1970.
- Jerger, James. Modern Developments in Audiology. New York: Academic Press, 1963.
- Licklider, J.C.R. "Basic Correlates of the Auditory Stimulus." In S. S. Stevens, ed., Handbook of Experimental Psychology. New York: Wiley, 1951.
- Olson, Harry F. Music, Physics, and Engineering. New York: Dover, 1967.
- Pierce, J. R. and David, E. E. Man's World of Sound. New York: Doubleday, 1958.
- Roederer, Juan G. Introduction to the Physics and Psychophysics of Music. New York: Springer-Verlag, 1973.
- Stevens, S. S. and Halowell, Davis. Hearing. New York: Wiley, 1938.
- Taylor, C. A. The Physics of Musical Sounds. New York: American Elsevier, 1965.
- Tobies, J. V. (ed.) Foundations of Modern Auditory Theory, vol. 1 and 2, New York: Academic Press, 1972.

III. NOISE AND COMMUNITY DESIGN:

Barron, R. A. The Tyranny of Noise.
New York: Harper & Row, 1970.

Berland, Theodore. The Fight for Quiet. New Jersey: Prentice-Hall,
1970.

Bragdon, Clifford R. Noise Pollution: The Unquiet Crisis. Philadelphia:
University of Pennsylvania Press, 1970.

Burns, Williams. Noise and Man. London: William Clowes and Sons Ltd.,
1968.

Duerden, C. Noise Abatement. London: Butterworths, 1970.

Kryter, K. The Effects of Noise on Man. New York: Academic Press, 1970.

Miller, J.D. "Effects of Noise on People." Journal of the Acoustical
Society of America, Vol. 56, No. 3 (September, 1974), 729-763.

Included in this article is an extensive bibliography for
journal articles.

Rodda, Michael. Noise and Society. London: Oliver and Boyd, 1967.

Shurcliff, William A. S/S/T and Sonic Boom Handbook, New York: Ballantine
Books, 1970.

Still, Henry. In Quest of Quiet. Harrisburg: Stackpole Books, 1970.

Handbook of Noise Measurement, General Radio Company, West Concord,
Mass., 1963, 1967.

Water, Air and Soil Pollution, vol. 2, no. 3, 1973.

Government Documents

Environment Canada, Ecological Protection Branch:

A Bibliographic Reference System on Noise Control: Report EPS-3-EP-74-2.
Environment Canada Printers, 1974.

Listing of Reference Material on Noise Control: Annex 1 to Report
EPS-3-EP-74-2. Environment Canada Printers, 1974.

Author Index and Key Word Index to the Listings of Reference Material
on Noise Control. Annex 2 to Report EPS-3-EP-74-2. Environment
Canada Printers, 1974.

U.S. Department of Commerce: Report of the Panel on Noise Abatement.
Washington: Department of Commerce Printers, 1970.

U.S. Environmental Protection Agency:

Noise from Construction Equipment and Operations, Building
Equipment, and Home Appliances. NTID 300.1, December 31, 1971.

Transportation Noise and Noise from Equipment Powered by Internal
Combustion Engines. NTID 300.13, December 31, 1971.

Fundamentals of Noise: Measurement, Rating Schemes, and Standards
NTID 300.15, December 31, 1971.

Community Noise. NTID 300.3, December 31, 1971.

British Documents:

National Physical Laboratory: Symposium No. 12. The Control of
Noise. London: Her Majesty's Stationery Office, 1962.

Committee on the Problem of Noise. Noise: Final Report.
London: Her Majesty's Stationery Office, 1963.

IV. LANGUAGE AND HUMAN SOUND MAKING:

Adams, P. Language in Thinking. Middlesex: Penguin, 1972.

Flanagan, J.L. Speech Analysis, Synthesis, and Perception.
New York: Springer-Verlag, 1972.

Fletcher, H. Speech and Communication. Princeton: Van Nostrand, 1953.

Hockett, Charles. "The Origin of Speech." Scientific American,
September, 1960.

Ihde, Don and Slaughter, Thomas F. "Studies in the Phenomenology of
Sound." International Philosophical Journal, 10 (June, 1970), 232-251.

Jakobsen, Roman. "Verbal Communication." Scientific American, Vol. 227,
No. 3 (September, 1972), 72-80.

Miller, G. A. Psychology of Communication. Middlesex: Pelican, 1967.

Moray, N. Listening and Attention. Middlesex: Penguin, 1969.

Oldfield, R. C. and Marshall, J. C., eds., Language, Middlesex: Penguin,
1968.

Ostwald, Peter. Soundmaking: The Acoustic Communication of Emotion.
Springfield: C. C. Thomas, 1963.

Ostwald, Peter. The Semiotics of Human Sound. The Hague: Mouton, 1973.

Ostwald, Peter F. and Peltzman, Philip. "The Cry of the Human Infant,"
Scientific American, Mar. 1974, 84-70.

V. SOUND COGNITION AND ACQUISITION THEORY:

- Bamberger, Jeanne. "Developing a Musical Ear: A New Experiment." Artificial Intelligence, No. 264, (July, 1972).
- Bamberger, Jeanne. "Learning to Think Musically (a computer approach to Music Study)", Music Educator's Journal, vol. 59, Mar. 1973, 53-7.
- Bamberger, Jeanne and Brofsky, H. The Art of Listening: Developing Musical Perception, 3rd Edition. New York: Harper and Row, 1975.
- Bernstein, Leonard. "Leonard Bernstein at Harvard: The Norton Lectures, 1973". The Unanswered Question, New York: Norton, 1973.
- Cohen, Joel E. "Information Theory and Music." Behavioral Science, 1962, 7, 137-163.
- Deutsch, Diana. "Music Recognition." Psychological Review, 1969, 76, 3, 300-307.
- Dodwell, P. C., ed., Perceptual Learning and Adaptation. Middlesex: Penguin, 1970.
- Fay, Thomas. "Perceived Hierarchic Structure in Language and Music." Journal of Music Theory, Vol. 15, 1 and 2, 1971.
- Fry, Dennis B. "Perception and Recognition in Speech." In Halle, Morris (Ed.) For Roman Jakobson. The Hague: Mouton, 1956.
- Ihde, Don and Slaughter, Thomas F. "Studies in the Phenomenology of Sound." International Philosophical Journal, Vol. 10. (June, 1970) 232-251.
- Laske, Otto E. "Musical Acoustics (Sonology): A Questionable Science Reconsidered." Numus West, No. 6, 1974. 35-40.
- Laske, Otto E. "Toward a Center for Studies in Musical Intelligence" Numus West, No. 5, 1974.
- Laske, Otto E. "Toward a Musical Intelligence System: OBSERVER." Numus West, No. 4, 1973. 11-16.
- Laske, Otto E. "Toward a theory of musical cognition", Interface, Amsterdam: Swets and Zeitlinger, vol. 4, no. 2, 1975 (Winter).
- Laske, Otto E. "On Psychomusicology", Int. Review of the Sociology and Aesthetics of Music, Zagreb; vol. 6, no. 2, 1975 (Winter).
- Miller, George A. "The Perception of Speech." In Halle, Morris (Ed.) For Roman Jakobson. The Hague: Mouton, 1956.

- Moles, Abraham. Information Theory and Esthetic Perception. Trans. by Joel Cohen. Urbana and London: University of Illinois Press, 1966.
- Oakland, Thomas and Williams, Fern. Auditory Perception: Diagnosis and Development for Language and Reading Abilities. Seattle and Washington: Special Child Publications, 1971.
- Ornstein, R. On the Experience of Time. Middlesex: Penguin, 1969.
- Ostwald, Peter. Soundmaking: The Acoustic Communication of Emotion. Springfield: C. C. Thomas, 1963.
- Ostwald, Peter. The Semiotics of Human Sound. The Hague: Mouton, 1973.
- Patterson, Blake. "Musical Dynamics." Scientific American, Vol. 231, No. 5, (November, 1974), 78-95.
- Seashore, C.E. The Psychology of Music, New York: McGraw-Hill, 1938.
- Simon, H. A. and Sumner, Richard K. "Pattern in Music." In Kleinmuntz, Benjamin, The Formal Representation of Human Judgement. New York: John Wiley and Sons, 1968.
- Simon, H. A. Sciences of the Artifical. Cambridge, Mass.: M.I.T. Press, 1969.
- Springer, George P. "Language and Music: Parallels and Divergencies." In Halle, Morris (Ed.) For Roman Jakobson. The Hague: Mouton, 1956.

VI. SOUND, MEDIA AND TECHNOLOGY:

- Beeby, A. E. Sound Effects on Tape, London, 1966.
- Blaukopf, Kurt. "New Patterns of Musical Behavior of the Young Generation in Industrial Societies". Communications presented to the International Symposium, Vienna, 1972, IDMT, Irmgard Bontnick, ed., Vienna: Universal Edition, 1974.
- Gerzon, Michael, "Dummy Head Recording", Studio Sound, May 1975. p. 42-44
- Gould, Glenn. "Prospects of Recording." Hi Fidelity, Vol.16, No. 46 (April, 1966).
- Gould, Glenn. "Radio as Music." Canada Music Book, (No. 2, 1971), Published by the Canada Music Council.
- Hawker, J. P. Radio and Television: Principles and Applications. New York: Hart Publishing Company, 1968.
- Jordan, Robert Oakes, and Cunningham, James. "Chapter 7, Tuners." The Sound of Hi-Fidelity. Chicago: Windsor Press, 1958.
- Kaplan, M. A. Radio and Poetry, New York: Columbia Univ. Press, 1949.
- McLuhan, Marshall. Understanding Media: The Extensions of Man. New York: Signet Books, 1964.
- Nisbett, Alec. The Technique of the Sound Studio. Norwich: Focal Press Limited, (3rd edition), 1972.
- Passman, Arnold. The D.J.'s. New York: Macmillan and Company, 1971.
- Raudive, Konstantine. Breakthrough. Ed. by Joyce Morton. New York: Taplinger, 1971.
- Shepherd, Jean. "Channel Cat in the Middle Distance." Explorations in Communication. Ed. by Marshall McLuhan and Edmund Carpenter. Boston: Beacon Press, 1960.
- Young, L. F. "Estimating Radio Reach", Journal of Advertising Research, Vol. 12, no. 5, Oct. 1972, p. 37-41.

Electronic and Computer Sound Synthesis:

- Appleton, J. H. and Percera, R. C. The Development and Practice of Electronic Music, New York: Prentice-Hall.

Cross, L. "Electronic Music: 1948-1953," Perspectives of New Music, vol. 7, no. 1, 1968, 32-65.

Howe, Hubert S. Electronic Music Synthesis, New York: Norton, 1975.

Mathews, M. V. The Technology of Computer Music, Cambridge, Mass.: M.I.T. Press, 1969.

Russcol, H. The Liberation of Sound: An Introduction to Electronic Music, New York: Prentice-Hall, 197 .

Strange, A. Electronic Music, Systems, Techniques and Controls, W.C. Brown, 1972.

Truax, B. "Computer Music in Canada", Numus West, vol. 8, Spring 1975.

Trythall, G. Principles and Practice of Electronic Music, New York: Grosset Dunlap, 1973.

Wells, T., and Vogel, E. S. The Technique of Electronic Music, University Stores, Austin, Texas, 1974.

VII. MUSIC (Mainly 20th century):

- Austin, W. Music in the 20th Century, New York: Norton, 1966.
- Boretz, B. & Cone, E.T. Perspectives on Contemporary Music Theory, New York: Norton, 1972.
- Cage, John. Silence, Wesleyan University Press, 1961.
- Cope, D. New Directions in Music (1950-1970), Cleveland, Institute of Music, 1971.
- Hiller, L. A. & Isaacson, L. M. Experimental Music, New York: McGraw-Hill, 1959.
- Kostelanetz, R., ed., John Cage, New York: Praeger, 1970.
- Mellers, W. Caliban Reborn, World Perspectives Series, New York: Harper & Row, 1967.
- Partch, H. Genesis of a Music, New York: Da Capo Press, 2nd ed., 1975.
- Salzman, E. Twentieth Century Music, New York: Prentice-Hall, 1969.
- Schwartz, E. & Childs, B. Contemporary Composers on Contemporary Music, New York: Holt, Rinehart & Winston, 1967.
- Shattuck, R. The Banquet Years, New York: Vintage, 1968.
- Stravinsky, I. Poetics of Music, New York: Vintage 1956.
- Stuckenschmidt, H. H. Twentieth Century Music, New York and Toronto: McGraw-Hill, 1969.
- Three Classics in the Aesthetics of Music (Debussy, Ives, Busoni), New York: Dover, 1962.
- Weber, Max. The Rational and Social Foundations of Music, Southern Illinois Press, 1958.
- Xenakis, I. Formalized Music, Bloomington and London: Indiana Press, 1971.
- Zuckermandl, V. Sound and Symbol, (Music and the External World), New York: Bollingen Series, Princeton, 1969.