

SIMON FRASER UNIVERSITY

MEMORANDUM

To..... Dr. O'Connell and members of..... Undergraduate Curriculum Committee.....	From..... Kieran Egan
Subject..... New Course.....	Date..... January 19, 1973.....

Attached is an outline of a course which might serve as a useful addition to our offerings. I apologize for its form -- a shortage of time has prevented me from composing it more appropriately. Perhaps you may consider this outline informally for information and let me know whether in principle it would be a suitable addition to the calendar. I will revise it and re-submit it at a later date if it is, in principle, desirable.

The reasons for adoption of such a course are, I think, three-fold:

1. The increasing role of computers in virtually every aspect of our lives makes knowledge about them and ability to use them valuable.
2. We have some excellent facilities being under-used through lack of skilled personnel, and these could be put to good educational uses.
3. The principles underlying the techniques of teaching that can be utilized by computer systems are instructive for developing human teaching skills.

Dr. Sterling, head of the Computing Science program, has offered to teach such a course during the Summer Session -- directing it mainly at teachers who want to learn how to use computing facilities for educational purposes. Such a course would be entered in the Continuing Education calendar as a Special Topics course, and would carry the description on the second sheet attached.

/pb

Course Description

Course number: 487-4 (Special topics) Section 5

Title: Educational Uses of Computers

Description: An introduction to various programmed instruction techniques - linear, branching, structural - and their appropriate pedagogical uses. Students will be taught a simple computer language - Coursewriter III - and will use it to implement a program of their own design.

The uses of computers as teaching tools will be reviewed in detail, including interactive and batch based computer aided instruction. The student will learn COURSEWRITER and study design approaches to CAI. Special uses of CAI for teaching the handicapped, the very young, and the maladjusted, will be reviewed.

Credit hours: 4

Vector ~~Requirement~~: (2-0-2)

Pre-requisites: ~~etc~~

RANGE OF
Topics:

1. Coursewriter III;
2. Programmed Instruction forms: Intrinsic, Extrinsic, Adaptive Programs, Structural Communication;
3. Outline of research and development work on educational uses of computers: teaching maths; logic; and sciences; teaching humanities subjects; uses with disadvantaged children; C.A.I; C.M.I.

Instructor: Dr. T. D. Sterling

Approval by:

1. Faculty of Education - Undergraduate

Programs Committee Jan. 23/73

2. Faculty of Education _____

SIMON FRASER UNIVERSITY

*File if
we do not
have duplicate*

MEMORANDUM

To Faculty of Education

From M. S. O'Connell, Director

Undergraduate Programs

Subject Special Topics for 1975-2

Date December, 1974

The Undergraduate Programs Committee would appreciate your comments re the attached Special Topics* that have been proposed as courses for the Summer Semester, 1975-2. The Committee will take into account any comments made by Faculty members when it discusses and votes approval of some or all of the proposals.

M. Sheila O'Connell

M. Sheila O'Connell

* The Faculty of Education has two numbers designated as Special Topic course numbers: EDUC. 486-4 and EDUC. 487-4. When the Undergraduate Programs Committee approves more than two Special Topics, the Registrar uses a "letter" system in order to distinguish between the Topics for Registration and Transcript purposes.

SPECIAL TOPICS

proposed

for

SUMMER SEMESTER, 1975 - 2

- ✓ ED.A. 486-4 Strategies for Evaluating Educational Programs
D. Kaufman
- ✓ ED.B. 486-4 Evaluating Prepared Curriculum Materials
R. Gehlbach
- ✓ ED.C. 486-4 Computing Science for Teachers
K. Gopaulsing and specialists
- ✓ ED.D. 486-4 Advanced Art
R. Crumlin and specialists
- ✓ ED.E. 486-4 Outward Bound Teacher's Practicum
J. Hasell and specialists
- ✓ ED.A. 487-4 Outdoor Education Leadership
M. Hendy
- ✓ ED.B. 487-4 Trends in Secondary Intramural Programs
N. Spruston
- ✓ ED.C. 487-4 Coaching and Sports Management
L. Davies and specialists
- ✓ ED.D. 487-4 First Aid and Health Care
R. Robertson and specialists
- ED.E. 487-4 Outward Bound Teacher's Practicum
J. Hasell and specialists

PROPOSAL FOR SPECIAL TOPIC

Course Name: Strategies for Evaluating Educational Programs

Semester: Summer Session
July 2 - August 3, 1975

Course Information:

<u>Instructor</u>	<u>Dates</u>	<u>Days</u>	<u>Time</u>
David Kaufman	July 2 - Aug 8	Tues, Thurs	4:30 - 8:30 p.m.

Prerequisite: Education 401-402 (or the equivalent), or current status as a classroom teacher or administrator, permission of the instructor.

Purpose: The purpose of this course is to provide a comprehensive overview of evaluation strategies currently in use. Students at the end of the course are expected to have acquired skills sufficient to design and execute their own evaluation studies.

Reference Materials:

1. Bloom, B., Hastings, J.T. and Madaus, G.F. Handbook on Formative and Summative Evaluation of Student Learning.
2. Gottman, J.M. and Clasen, R.E. Evaluation in Education: A Practitioner's Guide, F.E. Peacock, 1972.
3. Kaufman, D. Longitudinal Evaluation of French Immersion Program in Coquitlam School District: Report of Year One, E.R.I.B.C., 1974.
4. Kaufman, D. et al. Total Education: An Evaluation, Department of Education, Victoria, B.C., 1974.
5. Kaufman, D. and MacDonald, R.G. Evaluation of the Marine Biology and History Mobile Kits: Produced by the British Columbia Museum, E.R.I.B.C., 1974.
6. Kaufman, D. and Durward, M.L. Evaluation of the Vision Van Screening Program in School District No. 14., E.R.I.B.C., 1974.
7. Payne, D.A. Curriculum Evaluation: Commentaries on Purpose, Process, Product, D.C. Heath, 1974.
8. Sawin, E.I. Evaluation and the Work of the Teacher, Wadsworth, 1969.

9. Seriven, M. "The Methodology of Evaluation" in Perspectives of Curriculum Evaluation", AERA Monograph Series on Curriculum Evaluation, No.1, Rand-McNally, 1967.
10. Taylor, P.A. and Cowley, D.M. Readings in Curriculum Evaluation, William C. Brown, 1972.
11. Weiss, C. Program Evaluation, Prentice-Hall, 1972.
12. Weiss, J. Curriculum Evaluation: Potentiality and Reality. Curriculum Theory Network Monograph Supplement, The Ontario Institute for Studies in Education, 1972.
13. Worthen, B.R. and Sanders, J.R. Educational Evaluation: Theory and Practice, Charles a. Jones, 1973.

Selected journal articles will also be available for use by course participants.

ED.B. 486-4 Special Topic:

EVALUATING PREPARED CURRICULUM MATERIALS

Dr. R. Gehlbach

The bulk of the educational material used in the elementary school, particularly for the academic skills and subject matter, is prepared by persons and organizations other than the teacher, usually commercial publishers. Among the most important decisions that teachers make are those regarding the selection of materials they will use. The selection is not easy, as virtually every commercial publisher claims educational superiority for its materials.

However, there are strategies for determining the appropriateness of an educational programme for one's philosophy and own style of teaching, strategies that will penetrate the often slick promotional veneer of commercial educational materials.

In this course, students will be introduced to the development and marketing practices commonly used by commercial educational publishers and to the selection and evaluation procedures for new materials commonly employed by school boards. In addition, each student will select a major available commercial educational programme in which he is interested and conduct an investigation of it. Group discussion periods will be used to facilitate the design of students' strategies for their individual selection and evaluation endeavors.

PROPOSAL FOR SPECIAL TOPIC

Course Name: Computing Science for Teachers

Semester: Summer Session

Times: Mon, Tues, Wed, Thurs - 2 hours per day plus *
3 tutorial hours per week

Instructors: Mr. K. Gopaulsing, Computing Science Teacher at
Burnaby North Secondary School

Dr. T. Sterling, Computing Science Program, S.F.U.

Dr. D. Seeley, Computing Science Program, S.F.U.

Dr. D. Kaufman, Faculty of Education, S.F.U.

Prerequisite: Education 401-402 (or the equivalent) or current status of a classroom teacher or permission of the instructors.

Range of Topics:

1. Problem Solving Using Computers.
2. Methods and Concepts of Programming.
3. A Minimum of Two Programming Languages.
4. Interactive Computing and Computer-Assisted Instruction.
5. Architecture of Computers.
6. Impact of Computer Technology on Society.
7. Methods of Teaching Computer Concepts.
8. Computing Science Practice in Secondary Schools.
9. Educational Use of Minicomputers.

Several special projects will be completed by each participant.

This course is intended as a preliminary step to determine the future directions for (1) a more comprehensive summer institute for teachers, (2) a Masters program in Education in the Computing Science area.

*

Extra time required for assistance with course problems, programming, etc.

Outward Bound Teachers' Practicum

Special Topic

ED.E. 486
ED.E. 487

M. McClaren
John Hasell

By special arrangement between the Canadian Outward Bound Mountain School at Keremeos, B.C. and Simon Fraser University, a special program may be offered to teachers and student teachers in the Summer of 1975. The program will focus on the basic Outward Bound Course as a means of personal development through physical and psychological challenge in a wilderness setting. The program is offered at the Outward Bound School in Keremeos, B.C. from Monday, July 14 - Saturday, August 8, 1975. The program carries 8 semester hours of university credit via two courses: ED.E. 486-4, "Outward Bound Teachers' Practicum" and ED.G. 487-4, "Outward Bound Teachers' Practicum".

The Outward Bound Teachers' Practicum is intended for teachers of all subject areas. Previous outdoor experience is not necessary.

COACHING AND SPORTS MANAGEMENT

SPECIAL TOPIC

ED.C. 487-4

L. Davies and Specialists

The course will consist of instruction directly helpful to coaching on the secondary level in football, basketball, track and field, wrestling and field hockey. Golf will be included for those interested in recreational aspects.

The course will consist of lectures, tutorials for each of the specified sports, audio visual aids, and actual field work where students can see the philosophies and techniques put into practice. If possible, there will also be visitations to see well-run practices and programs. Visitations will show how the best use of facilities is made in high schools, so that all sports and events have some time in usually limited facilities. In short, everything will be done to give the student knowledge in the area of secondary school coaching.

Each of the sports will have about one week for lectures. In addition, each Thursday there will be a tutorial. This means that each student will have a week of lectures for each sport and then six tutorials in the sport that most interests her/him.

More information may be obtained by contacting the Athletics office at 291-3313.

SPECIAL TOPICS

New Course Proposal Form

1. Calendar Information: Department of Education

Abbreviated Code: ED.D. Course Number: 487 Credit Hours: 4

Vector: 2 - 0 - 2 Title of Course: First Aid and Health Care

Calendar Description of Course: This course will deal with basic first aid and general health care measures that may be administered by teachers in the public schools of this province.

Nature of Course: Lecture/Lab

Prerequisite: Education 401/402

What course, if any, is being dropped from the calendar if this course is approved? None

2. Scheduling

How frequently will the course be offered? Intersession 1975 (May-June)

3. Objectives of Course: The general objectives of this course are to assist prospective teachers to:

- a) acquire a basic competence in the areas of first aid and emergency care,
- b) develop an understanding of general health care and prevention of common childhood ailments and,
- c) develop knowledge and skill in administering diagnostic and screening tests.

Major Topics:

1. Nature of first aid and health care program
2. First aid and emergency program
3. Health care and prevention
4. Diagnostic and screening tests
5. Interrelationship of home, school and medical profession

(above is a tentative list - Dr. Robertson to provide revised list of topics).

Sample Reading List: (currently being prepared by Dr. Robertson)

Proposed Course In Relation To Undergraduate Courses and Programs:

To be scheduled during Intersession as a Special Topic offering.

Overlap With Other Courses:

The only other course that relates to this area is Kinesiology 241-3, Care and Prevention of Athletic Injuries. The proposed Special Topic course will cover general first aid measures but will devote the majority of course time to topics relating to general health care and prevention of common childhood ailments. Hence, no major conflict or overlap between these two courses.

Budgetary and Space Requirements:

What additional resources will be required in the following areas?

Faculty: Dr. R. Robertson, MD., sessional appointment
Mrs. R. Robertson, RN., sessional appointment

Library: None

Audio-Visual: None

Space: None

Equipment: Approx. \$15.00 per student
Maximum of 20 students (\$300.00)

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MEMORANDUM

To: Faculty
 From: Marvin Wideen, Director
 Undergraduate Programs
 Subject: Undergraduate Courses
 Date: December 13, 1978

The purpose of this memorandum is to request that you consider two items relative to the offering and teaching of undergraduate courses in coming semesters. The first deals with special topics courses and the second with teaching assignments.

1. Special Topics or Experimental Courses As you are probably aware we have listed in the calendar two special topics courses, EDUC. 486-4 and 487-4 as well as one experimental course, EDUC. 489-4. Special topics courses have been used to spice up our offerings of coursework and also to make use of available expertise. Experimental courses have been used to try out courses that may become regular offerings. The Undergraduate Programs Committee approves these prior to their being offered. In the past, the committee has simply acted upon each proposal as it has come forward. On occasions approval of late submissions has not allowed sufficient time for advertising. At the December 4th meeting of the Undergraduate Programs Committee, the discussion of special topics gave rise to the following proposals:

- a) That reasonable deadlines be set for the submission of proposals for special topics courses.
- b) That all special topics courses be considered at one time by the committee.
- c) That Faculty and Faculty Associates be reminded of such deadlines in advance.

Thus the following dates have been set for submission of proposals for special topics and experimental courses for the next three semesters:

<u>Semester</u>	<u>Deadline for Submission</u>
79-2	December 31, 1978
79-3	March 31, 1978
80-1	July 31, 1979

Proposals should be submitted on a regular course proposal form and where persons other than regular faculty members are to be involved in teaching, a curriculum vitae must be attached.

2. Offerings and Teaching Assignments I would like to request that you submit to me your wishes with regard to the teaching of undergraduate courses for 79-3, 80-1 and 80-2.

MFW:kg