

S.88-38

FOR INFORMATION

SIMON FRASER UNIVERSITY

Memorandum

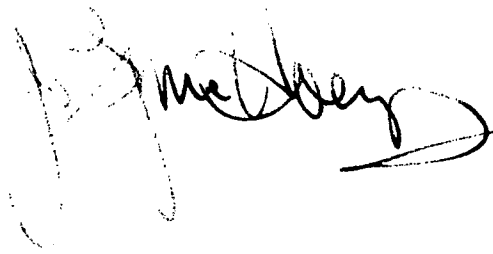
To: Mr. W.R. Heath
Secretary of Senate

From: Jo Lynne Hoegg, Chair
Senate Committee on
Continuing Studies

Re: SCCS Annual Report

Date: October 20, 1988

Enclosed are two statistical/informational reports on undergraduate extension credit courses and programs and credit-free activities of the Faculties and departments of the University for the period May 1, 1987, through April 30, 1988. These documents constitute the annual report of the Senate Committee on Continuing Studies.



JLH:sml

Attachments

Senate Committee on Continuing Studies

Report on Undergraduate Extension Credit Courses May 1, 1987 - April 30, 1988

This report includes course and enrolment data for programs offered by the several Faculties, departments, schools and centres through extension credit. Included are the On Campus Evening (CE) program (which includes the Intersession (IS) and Summer Session (SS) programs), SFU Downtown (DT), Faculty of Education Interior programs (ED), Centre for Distance Education courses (CDE), the Senior Citizens' Program (SR) and the Prison Education Program (PEP), as well as the various Certificate and Diploma programs. In the period covered by this report, 755 credit courses were offered through these programs, with a total of 23,559 course enrollees. Enrolments in these programs accounted for 26% of the total undergraduate annualized FTE for the university in 1987-88.

Table 1

	# Crs.	87-2 Enrol.	FTE	# Crs.	87-3 Enrol.	FTE	# Crs.	88-1 Enrol.	FTE	Total # Crs.	Total Enrol.	% of Total
CE	67	2324	498.27	136	4964	1069.7	140	4831	1046.01	343	12119	51.4
SS	37	784	212.2	0	0	0	0	0	0	37	784	3.3
IS	21	470	118.14	0	0	0	0	0	0	21	470	1.9
DT	20	523	107.6	38	916	187.9	35	917	187.73	93	2356	10.0
ED/IN	9	9	19.7	9	60	22.9	3	40	31.2	21	233	.9
CDE	49	1789	377.6	58	2307	486.7	56	2129	460.1	163	6225	26.4
SR	0	0	0	4	128	13.2	5	139	18.8	9	267	1.1
PEP	19	320	67.4	28	399	83.4	21	386	78.1	68	1105	4.7
Total	222	6343	1400.9	273	8774	1863.8	260	8442	1821.94	755	23,559	

	#Crs.	86-2 Enrol.	# Crs.	86-3 Enrol.	#Crs.	87-1 Enrol.	Total # Crs.	Total Enrol.	% of total
CE	57	1889	132	5095	136	4619	325	11603	53.8
SS	27	700	0	0	0	0	27	700	3.3
IS	22	508	0	0	0	0	22	508	2.3
DT	22	451	41	921	40	965	103	2337	10.8
ED/IN	4	50	9	68	6	75	19	193	.9
CDE	45	1384	49	1833	47	1695	141	4912	22.8
SR	0	0	5	150	5	142	10	292	1.3
PEP	25	272	23	355	27	379	75	1006	4.7
Total	202	5254	259	8422	261	7875	722	21,551	

Compared to 1986-87, there was an increase of 4.6% in the total number of courses offered through Extension Credit (from 722 in 1986-87 to 755 in 1987-88) and a 9.3% increase in the total number of enrollees during 1987-88 (from 21,551 enrollees to 23,559).

Seventy undergraduate courses were available via distance education during 1987-88, an addition of six compared to last year. The total number of offerings of these courses was 163, twenty-two more than in 1986-87. The total number of enrollees in distance education courses was 6,225, an increase of 26.7% relative to 1986-87.

Table 2 lists the numbers of students enrolled in Certificate and Diploma Programs during 1987-88:

**Table 2: Certificate and Diploma Statistics
(headcounts)**

Certificate Programs	87-2	87-3	88-1
B.C. Studies	1	5	3
Criminology - Advanced	1	3	4
Criminology - General	27	45	48
French Canadian Studies	2	2	1
French Language Proficiency	12	17	24
Health & Fitness Studies	88	172	148
Liberal Arts	0	89	206
Public History	9	16	12
Senior Citizens	6	49	65
Total	146	398	511

Extended Studies Diploma Programs	87-2	87-3	88-1
Applied Sciences	3	9	6
Arts	70	142	116
Business Administration	1	0	0
Education	96	97	111
Science	0	11	8
Total	170	259	241

Table 3 lists enrolments in the six 'core' diploma programs (data included in Extended Studies Diploma Program statistics):

Table 3: Core Diploma Programs

	<u>87-2</u>	<u>87-3</u>	<u>88-1</u>
Criminology	14	30	23
Environmental Toxicology	0	8	6
Ethnic Relations	2	3	1
Gerontology	24	48	57
Humanities	0	4	4
Public History	5	3	6
Total	45	96	97

Table 4 lists Certificate and Diploma Program graduands for 1987 and 1988:

Table 4

Certificate and Diploma Graduands by Faculty

	<u>June 1987</u>	<u>June 1988</u>
APSC		
Extended Studies Diploma	1	3
Certificate in Health & Fitness Studies	48	49
ARTS		
Extended Studies Diploma	2	5
EXD Criminology	3	8
EXD Ethnic Relations	1	1
EXD Gerontology	12	21
EXD Public History	0	2
Certificate in B.C. Studies	2	0
Certificate in Criminology (Advanced)	2	0
Certificate in Criminology (General)	0	3
Certificate in French Language Proficiency	5	5
Certificate in Public History	9	3
Certificate for Senior Citizens	6	5
Certificate in Liberal Arts	-	46
BUS		
Extended Studies Diploma	3	0
EDUC		
Extended Studies Diploma	46	47
SCI		
Extended Studies Diploma	1	0
EXD Environmental Toxicology	7	2
Total	148	200

The number of people attending classes, day or evening, on or off campus, as special audit students during 1987-88 was 119.

Senate Committee on Continuing Studies

Report on Credit-Free Activities May 1, 1987 - April 30, 1988

This report presents the range of credit-free lectures, conferences, symposia, seminars, media productions, professional development courses and other programs reported by Faculties, schools and departments of the University. As well, this report includes data on credit-free activities offered to faculty, students and staff by administrative units on campus. In all cases, the focus for credit-free activities at Simon Fraser University centres on organizing educational opportunities for adults whose career, professional or personal intellectual interests cannot be served by the regular credit program.

During the 1987-88 reporting period enrolments in the 523 credit-free activities listed totalled 20,949. In 1986-87 there were 393 activities with 17,186 enrolments.

Several credit-free activities undertaken by Faculties, departments, schools and other units deserve special mention. These activities are singled out either because they are new for this reporting year, have been awarded some special recognition, or have undergone particularly significant development.

The Writing and Publishing Program offered through SFU Downtown and overseen by a cross-faculty committee, has experienced dramatic growth in numbers and substance during the past year. The number of individual courses offered increased from 20 to 54 and the enrolments grew at the same rate, going from 328 in 1986-87 to 853 in 1987-88. These courses in business and professional writing along with workshops on publishing and communications have found a ready market, people seeking to develop their writing and communication skills and abilities.

An equally impressive growth has occurred in non-credit professional development programs offered through the Faculty of Applied Sciences. During 1987-88, there was a 100% increase in enrolments (200 to 406) and courses (10 to 22) in the Program of Continuing Studies in Advanced Systems and in Management Skills in Advanced Technology. Organized by faculty in Engineering Sciences, Computing Science and Communication, in conjunction with Continuing Studies, and ranging in content from artificial intelligence to management skills, these programs attracted a highly professional audience of scientists, technicians, engineers and managers.

The Institute for the Humanities was actively engaged in credit-free activities during 1987-88, attracting over 1,000 participants to a series of lectures, symposia, workshops and conferences.

During the year an impressive group of scholars was brought to the Burnaby campus for public lectures, humanities courses were offered in the downtown community, and the first J.S. Woodsworth conference was held. Symposia on Isaac Newton and on Jean-Jacques Rousseau, directed primarily to SFU students, faculty and staff, were very successful and several events were co-sponsored by the Institute and groups at UBC. At the other end of the curricular spectrum, the inaugural seminar series of the Institute of Molecular Biology and Biochemistry attracted 1,975 people to nineteen seminars featuring prominent visiting scholars.

Several of SFU's credit-free programs were acknowledged with distinctive program awards by the Canadian Association for University Continuing Education (CAUCE) in 1987-88. These included the program in Critical Thought and Cultural Literacy (Institute for the Humanities); the Arts and Cultural Administration in Context program (Centre for the Arts); the Foundation Program in Occupational Health and Safety (School of Kinesiology); and the New Enterprise Program (Faculty of Business Administration and School of Engineering Science). Also of special note during the reporting year was the publication of *Tourism as a Generator for Regional Economic Development*, the proceedings of the 1987 First Annual Advanced Policy Forum on Tourism (Natural Resources Management Program and the Tourism Industry Association of B.C.).

There were several new and innovative developments in credit-free programming during the year. The Arts and Cultural Administration in Context program (a professional development program for cultural administrators) was offered first in Vancouver and then at Parksville on Vancouver Island, the latter version being specially designed to respond to the needs of arts and cultural organizations in non-metropolitan areas of B.C. This example of SFU's outreach into the community is paralleled in recent developments in Aquaculture programming. The Institute for Aquaculture Research has offered credit courses, organized a 7-session workshop and is currently working with the Centre for Distance Education in developing two non-credit distance education programs, one on salmonoid nutrition and the other on salmonoid disease.

Finally, the Office of Conference Services provided administrative and program development assistance to an number of faculty and academic units as well as off-campus groups who wished to utilize the SFU campus for their event. In particular, Conference Services worked closely with the Faculty of Education in its very successful and highly enrolled series of institutes and conferences offered during 1987-88. SFU-sponsored conferences almost doubled in numbers, from 10 in 1986-87 to 19 in 1987-88.

These and the other examples of credit-free programming at SFU are characterized by a focus on quality, the involvement of academic units from across the spectrum of arts and science, and on close cooperation with relevant community resources and expertise.

REPORT ON CREDIT-FREE ACTIVITIES
May 1, 1987 - April 30, 1988

1. Summary of Credit-Free Activities and Enrolments Reported by Academic Departments and Administrative Units

	<u>Activities by Academic Units*</u>	<u>Activities by Administrative/ Service Units</u>	<u>Total</u>
Courses/Lecture Series			
Total Activities	249	133	382
Total Enrolment	7,791	2,486	10,277
Conferences/Symposia			
Total Activities	20		20
Total Enrolment	3,309		3,309
Lectures/Colloquia			
Total Activities	58		58
Total Enrolment	4,843		4,843
SFU/Knowledge Network Programs			
Total Programs	63		63
Total Enrolment**	2,520		2,520
Total Activities:	523		
Total Enrolment:	20,949		

* Colloquia and other credit-free activities offered by academic units for faculty and students are not listed here.

** In this instance enrolment means credit student registrations in the course listed, to whom KNOW programs were directed. The total viewing audience cannot be determined.

II. CREDIT-FREE ACTIVITIES BY ACADEMIC UNITS

FACULTY OF APPLIED SCIENCE

Semester Hours Enrolment

Applied Sciences (Communication, Computing Science, Engineering Science, Systems Science)

Courses/ Lecture Series

A Program of Continuing Studies in Advanced Systems

Computer Integrated Manufacturing: The Basic Architecture	87-2	6	21
Desktop Publishing for Hi-Tech Companies	87-2	14	14
How to Write Cases in Engineering and Business	87-2	10	7
Implementing Computer Integrated Manufacturing: A Strategic Challenge	87-2	7	17
Desktop Publishing: An Introductory Workshop (with Computing Services)	87-3	16	20
High Performance Integrated Circuit Packaging (with IEEE)	87-3	6	14
Industrial Applications of Artificial Intelligence (with B.C. Advanced Systems Institute)	87-3	8	31
Introduction to Data Communications and Networks	87-3	24	27
Introduction to the C++ Programming Language	87-3	4	15
Microsoft Word Workshops for IBM PCs and Compatibles (with Computing Services)	87-3	4	45
New Technologies in Biomedical Engineering (with IEEE)	87-3	6	27
An Introduction to Typography for Desktop Publishing (with Computing Services)	88-1	13	12
Desktop Publishing for High-Tech Companies (with Computing Services)	88-1	14	8
Desktop Publishing: Opportunities for Design Professionals (with Computing Services)	88-1	13	20
Industrial Applications of Artificial Intelligence - II (with B.C. Advanced Systems Inst.)	88-1	7	29
Microprocessors, Microcontrollers and ASICs (with IEEE)	88-1	4	10
Neural Networks: Machines Who Think - A Seminar on Neural Network Theory (with BC Advanced Systems Inst. and IEEE)	88-1	14	22
Statistical Process Control and Improvement (with Mathematics and Statistics)	88-1	21	19

Total Activities 18

Total Enrolment 358

Computing Science

Courses/ Lecture Series

Workshop on Computational Combinatorics	87-2	160	108
Workshop on Structured Programming	87-2	50	30

Total Activities 2

Total Enrolment 138

FACULTY OF APPLIED SCIENCE

Semester

Hours

Enrolment

Engineering Science

Courses/ Lecture Series

Management Skills in Advanced Technology

Communication Skills, Session 1: Writing for Maximum Productivity - Individually and as Part of a Team	87-3	7	22
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Managing Creative Technically-Oriented People	87-3	20	22
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Economic and Financial Planning and Communications Skills, Session 2	87-3	28	22
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Implementing Management Concepts in Advanced Technology	88-1	21	20
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Project Management and Communication Skills Session 3: Oral Communication Skills	88-1	28	20
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Total Activities	5
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Total Enrolment	106
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Kinesiology

Conferences/ Symposia

Lower Backpain in Industry (with Hospital Employee's Union)	88-1	14.5	90
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Courses/ Lecture Series

Backpower	87-3	7	22
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Foundation Program in Occupational Health & Safety

Legal Issues and Risk Assessment	87-3	21	17
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Occupational Safety	87-3	21	17
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Ergonomics	88-1	21	24
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Industrial Hygiene	88-1	21	14
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Preventive Health Care	88-1	21	14
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The Change Process in Health and Safety	88-1	21	13
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Total Activities	8
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Total Enrolment	211
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Natural Resources Management

Conferences/ Symposia

First Annual Advanced Policy Forum on Tourism

Tourism as an Economic Generator: Strategies for Regional Development	87-2	14.5	88
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Total Activities	1
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Total Enrolment	88
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FACULTY OF ARTS**Semester Hours Enrolment****Canadian Studies****Courses/ Lecture Series****Advanced Interpreter Education Program**

Business and Professional Writing in English I	87-3	22	13
Canadian Studies I	87-3	33	13
English as a Second Language	87-3	43	13
Business and Professional Writing in English II	88-1	26	12
Canada and the International Economy	88-1	56	12
Canadian Studies II	88-1	15	12
Negotiating Skills	88-1	18	12
Project Evaluation	88-1	21	12
Total Activities	8		
Total Enrolment	99		

Centre for the Arts**Courses/ Lecture Series**

The Arts and Cultural Administration in Context (Vancouver)	87-3	60	25
The Arts and Cultural Administration in Context (Parksville)	88-1	36	29
Summer Institute 1987			
Contemporary Dance Workshop	87-2	150	47
Gamelan in Canada Workshop	87-2	150	17
National Voice Workshop	87-2	150	34
Vancouver Season			
Curatorial Practices and Persuasions	87-3	6	75
Media and the Arts: Cool Art: What is Sadism in the Age of the Hyper-Real? (Arthur Kroker)	87-3	2	104
Media and the Arts: Integrations: The Reformation of Information (Gerald O'Grady)	87-3	2	20
Media and the Arts: Panic Sex in America (Arthur Kroker)	87-3	2	78
An Evening with Stan Brakhage I	88-1	2.5	50
An Evening With Stan Brakhage II	88-1	2.5	80
Modernist Controversies - Adrian Piper	88-1	2.5	77
Modernist Controversies - Dennis Adams	88-1	2.5	50
Modernist Controversies - Ludger Gerdes	88-1	2.5	80
Music of a Thousand Years: Die Fledermaus: The Vancouver Production	88-1	1.5	296

FACULTY OF ARTS

		Semester	Hours	Enrolment
Music of a Thousand Years: Music That Crosses Boundaries (Philip Glass)		88-1	1.5	18
Music of a Thousand Years: The Baroque Violin: A Lecture–Demonstration		88-1	1.5	20
Popular Film/Popular Culture		88-1	24	125
The Brecht Coincidence: Brecht, Coincidence and Cultural History		88-1	1.5	59
The Brecht Coincidence: Mutter Courage		88-1	1.5	65
The Brecht Coincidence: The Brecht I Knew		88-1	1.5	53
The Brecht Coincidence: The Brecht–Weill Partnership		88-1	1.5	25
The Brecht Coincidence: Why Brecht? Why Now?		88-1	1.5	50
Total Activities	23			
Total Enrolment	1477			

Criminology

Lectures/ Colloquia

Pre-Symposium Seminar for a National Policy Symposium on Lotteries and Gambling		87-3	3	11
Total Activities	1			
Total Enrolment	11			

Criminology/ The Northern Conference

Lectures/ Colloquia

The Status of Criminal Justice Issues & Service Delivery in Northern Manitoba		87-3	3	15
Total Activities	1			
Total Enrolment	15			

English

Conferences/ Symposia

ESL Students' Transition to University: Crossing the Institutional Gap		87-2	8	63
Total Activities	1			
Total Enrolment	63			

Geography

Lectures/ Colloquia

Andrea Palladio: Villas and Civic Works		87-3	3	100
Total Activities	1			
Total Enrolment	100			

FACULTY OF ARTS**Semester Hours Enrolment****History, Political Science, English****Conferences/ Symposia**

J.S. Woodsworth Conference	88-1	14	180
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Total Activities	1
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Total Enrolment	180
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Institute for the Humanities**Conferences/ Symposia**

Culture and Imperialism: A Conference in Honour of Edward Said (cosponsored with UBC)	88-1	10	75
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Rousseau and the Age of Enlightenment	88-1	6	50
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Courses/ Lecture Series

Humanities Core Curriculum at the Carnegie Community Centre	87-3	22	12
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Humanities Core Curriculum at the Carnegie Community Centre	88-1	22	15
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Oxford and the Lakes (Travel Course)	88-1	56	15
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Lectures/ Colloquia

Are There Still Two Cultures? - Science and Human Values (Ursula Franklin)	87-2	1.5	20
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Community Economic Development in British Columbia (George McRobie) cosponsored with SPARC	87-2	2	100
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The Discourses of Insecurity: The Silences of International Relations (R.B.J. Walker, Distinguished Visiting Speaker in Peace, Justice and Human Rights)	87-2	2	50
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The Politics of Peace Movements (R.B.J. Walker, Distinguished Visiting Speaker in Peace, Justice and Human Rights)	87-2	2	50
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A World Without Women: The Masculinization of Science (David Noble) Cosponsored with SFSS	87-3	1.5	50
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Academia Incorporated: Universities, Business and the Future of Freedom of Thought (David Noble) Cosponsored with SFSS	87-3	1.5	50
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Democracy, Secularism, and the Religious Minorities in India (Syed Shahabuddin)	87-3	1.5	75
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Conflict and Ideology in the Soviet Academy of Sciences: The Luzin Affair and Others (Aleksey Levin)	88-1	2	75
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Culture and Imperialism (Edward Said) cosponsored with UBC, SFSS and Vancouver Semiotic Circle	88-1	2	75
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Culture and Power Struggles in the Modern World (Mihaly Vajda)	88-1	1.5	30
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Forum on University Issues: Education for What? (cosponsored by the Office of the President)	88-1	2	25
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Science as a Sociocultural System (Aleksey Levin)	88-1	2	75
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FACULTY OF ARTS**Semester Hours Enrolment**

Sun Stones and Speculation: the Genius of Megalithic Man (Archie Roy)

88-1

1.5

50

The Corpse and Popular Culture (Ruth Richardson) cosponsored with the
Department of History

88-1

1.5

50

Yeats and Decolonization (Edward Said) cosponsored with UBC, SFSS and
Vancouver Semiotic Circle

88-1

1.5

75

Total Activities 20

Total Enrolment 1017

Languages, Literatures and Linguistics**Courses/ Lecture Series**

A Porte Ouverte - A French Summer Language/Travel Course in France

87-2

250

9

Total Activities 1

Total Enrolment 9

Psychology and Law Institute**Conferences/ Symposia**

The Mentally Disordered Offender

87-2

13

119

Total Activities 1

Total Enrolment 119

Psychology/ B.C. Psychological Association**Courses/ Lecture Series**

Working with Difficult Clients

87-3

8

34

Ethical Issues in Clinical Practice

88-1

8

26

Total Activities 2

Total Enrolment 60

Women's Studies**Conferences/ Symposia**

The Female Constituency

88-1

8

47

Total Activities 1

Total Enrolment 47

FACULTY OF BUSINESS ADMINISTRATION**Semester Hours Enrolment****Business Administration****Conferences/ Symposia**

International Council on Small Business	87-2	40	521
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Courses/ Lecture Series**Advanced Management for Non Profit & Voluntary Sector Organizations**

Financial Planning	87-3	19.5	18
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Managing Board-Staff Relations	87-3	19.5	24
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New Approaches to Leadership	87-3	13	15
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Human Resource Management	88-1	19.5	19
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Marketing Management and Fundraising	88-1	19.5	22
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Strategic Planning	88-1	19.5	14
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Enterprise Centre

Starting Right the First Time	87-2	42	20
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Starting Right the First Time	87-3	42	21
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Entrepreneurship: Is It For You?	88-1	39	28
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Starting Right the First Time	88-1	42	20
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Foundation Program in Management for Women

Management Communication	87-3	21	23
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Organizational Behaviour	87-3	21	21
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Policy and Planning	87-3	21	21
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Quantitative Analysis	87-3	21	23
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Budgeting and Finance	88-1	21	23
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Introduction to Accounting	88-1	21	21
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Foundation Program in Tourism Management

Marketing Strategies	87-1	24	17
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Industry Overview	87-3	24	15
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Tourism Policy and Planning	87-3	24	20
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Financial Planning	88-1	24	17
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Organizational Management	88-1	24	16
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Total Activities	22
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Total Enrolment	939
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FACULTY OF EDUCATION**Semester Hours Enrolment****Education****Conferences/ Symposia**

APASE - Elementary Science Teacher's Workshops	87-2	24	81
APPIPC - French Immersion Teachers of B.C.	87-2	14	540
Social Studies Summer Institute	87-2	40	209
Aesthetic Literacy in a Technological Age	87-3	8	52
B.C. Forum on Post Secondary Education	87-3	11	125
Focus on Thinking (Windermere)	87-3	21	200

Courses/ Lecture Series

BCTF/SFU Course (Kelowna)	87-2	36	6
School Improvement Workshop (SFU)	87-2	6	30
Secwepemec Workshop #1 (Kamloops)	87-2	36	20
Tri-University Special Education	87-2	26	20
Co-op Learning Program (SFU)	87-3	6	35
Co-op Learning Program (Surrey)	87-3	20	20
French Immersion Workshop (W. Vancouver)	87-3	6	20
School Associate In-Service (25 workshops)	87-3	3	400
Secwepemec Workshop #2 (Kamloops)	87-3	36	20
Surrey Secondary Project Training	87-3	12	30
Thinking Project (Cowichan)	87-3	50	20
Arts Workshop (Maple Ridge)	88-1	3	20
Co-op Learning Program (Surrey)	88-1	20	20
Co-op Learning Training (Langley)	88-1	3	20
Co-op Learning Workshop (Langley)	88-1	6	50
Computer Workshop	88-1	3	20
Curriculum Landscape (Vancouver)	88-1	w	25
Excellence in Counselling #1	88-1	6	30
Excellence in Counselling #2	88-1	6	30
Excellence in Counselling #3	88-1	6	30
Language Arts Series	88-1	50	30
Learning Style Workshop (Armstrong)	88-1	3	20
School Associate In-Service (40 workshops)	88-1	3	600
Secwempec Workshop #3 (Kamloops)	88-1	6	20

FACULTY OF EDUCATION

	Semester	Hours	Enrolment
Telecom Workshop (Abbotsford)	88-1	6	20
Telecom Workshop (Coquitlam)	88-1	3	20
Telecom Workshop (Kelowna)	88-1	6	20
Telecom Workshop (N. Vancouver)	88-1	3	15
Telecom Workshop (Prince Rupert)	88-1	6	20
Summer Institute on Teacher Education			
Common Principles for an Uncommon Education (I)	87-2	1	60
Common Principles for an Uncommon Education (II)	87-2	1	60
Music and Music Education for the Adolescent Mind	87-2	1	60
Practising What We Preach in Social Studies Education	87-2	1	60
Re-Inventing the Secondary School	87-2	1	60
Secondary and Post-Secondary Education: Preparing for the 21st Century	87-2	1	60
The English Teacher as Renaissance Person	87-2	1	60
The Hidden Determiners of the Secondary Curriculum	87-2	1	60
The Nature and Value of Art Education	87-2	1	60
Understanding Understanding in Secondary School Mathematics	87-2	1	60
What are Secondary Schools For?	87-2	1	60
Lectures/ Colloquia			
Burnaby Art Gallery Presentation	87-3	2	15
Fine Arts Presentation (UBC)	87-3	3	35
Presentation (Qualicum)	87-3	3	40
Keynote: Motivation (Armstrong)	88-1	1.5	100
Total Activities	50		
Total Enrolment	3688		

FACULTY OF SCIENCE**Semester Hours Enrolment****Biological Sciences and the Ministry of Agriculture****Courses/ Lecture Series**

1988 Beemasters Short Course

88-1

35

25

Total Activities 1

Total Enrolment 25

Chemistry**Conferences/ Symposia**

Chemistry in the 80's

87-3

6

80

Courses/ Lecture Series

Chemistry Enrichment Program for High School Students

88-1

30

32

Total Activities 2

Total Enrolment 112

Institute for Aquaculture Research**Courses/ Lecture Series**

Economics and Management of Salmonid Aquaculture: A Workshop

88-1

21

21

Total Activities 1

Total Enrolment 21

Institute of Molecular Biology and Biochemistry**Lectures/ Colloquia****Inaugural Seminar Series**A Tale of Two Genes in *Caenorhabditis elegans* (D. Riddle)

88-1

2

150

An In Vitro Mutagenic Analysis of Mating Type Functions in *Saccharomyces cerevisiae* (Michael Smith)

88-1

2

100

Cloning of Neuronal Neurotransmitter Receptor and Ion Channel Genes: Finding a Needle in a Haystack (Norman Davidson)

88-1

2

100

Gene Transcription in Liver (James Darnell)

88-1

2

150

Mechanisms of DNA Replication and Chromosome Initiation (Arthur Kornberg)

88-1

2

150

Mitochondrial DNA and Human Evolution (A.C. Wilson)

88-1

2

250

Mutations Affecting the Yeast Transcription Apparatus (Ben Hall)

88-1

2

75

New Insights into the Structure of Nucleic Acids (M. Sundaralingam)

88-1

2

75

NMR Approaches to Protein Structure and Function (John L. Markley)

88-1

2

75

FACULTY OF SCIENCE

	Semester	Hours	Enrolment
Photosynthetic Gene Organization and Regulation in a Photosynthetic Bacterium - Rhodobacter capsulatus (John Hearst)	88-1	2	75
Protein Engineering of Yeast Triose Phosphate Isomerase (Gregory A. Petsko)	88-1	2	75
Regulation of Phosphoinositide Metabolism by Epidermal Growth Factor Receptor Kinase (Linda Pike)	88-1	2	75
Segmentation Regulation of the Bithorax Complex in Drosophila (W. Bender)	88-1	2	75
Structure and Function of the Insulin Receptor (O. Rosen)	88-1	2	75
The Genome of Caenorhabditis (John Sulston)	88-1	2	100
The Per Gene Locus and Biological Rhythms in Drosophila (Michael Rosbash)	88-1	2	75
The Regulation and Synthesis of a Bacterial Photosynthetic Apparatus (Barry L. Marrs)	88-1	2	75
Unusual DNA Structures: Biology and Chemistry (R.D. Wells)	88-1	2	100
Use of Transgenic Mice to Study Development (R. Palmiter)	88-1	2	125
Total Activities	19		
Total Enrolment	1975		

Mathematics and Statistics**Conferences/ Symposia**

Sixth Annual Mathematics Enrichment Conference	87-2	18	145
Women Do Mathematics	87-3	6	500
Total Activities	2		
Total Enrolment	645		

JOINT PROGRAMS**Semester Hours Enrolment****Business Administration and Engineering Science****Courses/ Lecture Series****The New Enterprise Program**

Financial Planning and Evaluation

88-1 6 13

Market Opportunity Analysis

88-1 6 13

Marketing Strategy

88-1 6 13

Operations Planning

88-1 6 13

Putting It All Together

88-1 6 13

The Entrepreneurial Experience

88-1 18 13

The Management Team

88-1 6 13

Total Activities 7

Total Enrolment 91

Business Administration/Enterprise Centre and University/Industry Liaison Office**Courses/ Lecture Series**

Patent Seminar

88-1 3 150

Total Activities 1

Total Enrolment 150

Engineering Science, Business Administration and University/Industry Liaison Office**Courses/ Lecture Series****Leadership, Innovation & New Product Development**

Managing with Moxie: Strategies for Creating an Innovative Culture

88-1 8 13

Total Activities 1

Total Enrolment 13

Institute for the Humanities and Mathematics and Statistics**Conferences/ Symposia**

Isaac Newton Tercentenary Symposium

87-3 6 40

Total Activities 1

Total Enrolment 40

University/Industry Liaison Office and Applied Sciences**Courses/ Lecture Series****R & D Update Seminars**

Computer Software and the Law

87-1 3.5 45

JOINT PROGRAMS

	Semester	Hours	Enrolment
Taxation on Research and Development	87-1	3.5	48
Computer Software and the Law	87-2	3.5	48
Taxation on Research and Development	87-2	3.5	47
Legal Considerations for Marketing Computer Software	88-1	3.5	30
"Spin-off" Technology	88-1	7	7
Strategic Partnerships and Alliances	88-1	7	20
Tax Treatment of Research and Development	88-1	6	21
Total Activities	8		
Total Enrolment	266		

INTERDISCIPLINARY ADVISORY COMMITTEES**Semester Hours Enrolment****Design Program Advisory Committee****Courses/ Lecture Series****Design and the Law****Designers vs. Contractors: The Law and Dispute Resolution****87-3 6 37****Lectures/ Colloquia****Vancouver: An Environment for Design****87-3 2.5 110****Total Activities 2****Total Enrolment 147****Labour Education, SFU Advisory Committee****Courses/ Lecture Series****Union Operations: Job Security and Technological Change (Niagara Institute)****87-2 3 27****CLC Winter School****Technological and System Changes****88-1 30 16****Vancouver, New Westminster and District Labour Council Weekend****Assertiveness Training****87-3 10 24****Basic Stewards' Training****87-3 10 44****Collective Bargaining****87-3 10 16****Facing Management****87-3 10 23****Grievance Handler****87-3 10 20****Parliamentary Procedure and Public Speaking****87-3 10 15****Provincial Labour Law****87-3 10 28****Stress in the Workplace****87-3 10 20****Workers' Compensation Board****87-3 10 15****Assertiveness Training****88-1 10 25****Basic Economics for Labour****88-1 10 17****Basic Steward Training****88-1 10 68****Facing Management****88-1 10 28****Federal Labour Law****88-1 10 19****Grievance Handler****88-1 10 26****Introduction to Arbitration****88-1 10 19****Leadership Training****88-1 10 20****Parliamentary Procedure****88-1 10 21**

INTERDISCIPLINARY ADVISORY COMMITTEES

	Semester	Hours	Enrolment
Stress in the Workplace	88-1	10	26
Workers' Compensation	88-1	10	25
Lectures/ Colloquia			
Technological Change, Women's Work and Union Response (Oregon Trade Union Women's Conference)	87-2	1	35
Union Women - Past and Present (Oregon Trade Union Women's Conference)	87-2	1	200
Help! I Need Somebody: Overcoming Fear of Micros (Interface 87)	87-3	1.5	10
Historical Origins and Uses of the Boycott (B.C. Federation of Labour)	87-3	1	350
History of Boycotts (VMREU)	87-3	1.5	60
How Jobs are Changing; Where Jobs are Moving; Who Controls Technology (UCLA Institute of Industrial Relations)	87-3	1	200
Le mouvement syndical et le parti travailliste en B.C.: Une transformation dynamique (L'Association d'Economic politique)	87-3	1	250
Rollover Beethoven: The Human Side of Introducing New Technology (Interface 87)	87-3	1.5	20
Technological Change for Liquor Distribution Branch Employees (BCGEU)	87-3	1.5	22
Technological Change (OTEU, Local 15)	87-3	2	26
Union Labels, Boycotts and Beer: 100 Years of Organizing in the Brewery Industry (Vancouver Historical Society)	87-3	2	50
Labour and Technological Change (Britannia Centre Employment Enhancement Project)	88-1	2	12
Social Choices and Obligations with New Technology (Engineering Science Ethics Retreat)	88-1	1.5	25
Social Choices in New Technology (BCIT)	88-1	2.5	17
Working Women: Occupational Health Issues of the 1980's - Job Surveillance	88-1	1	80
Total Activities	37		
Total Enrolment	1899		

SFU Committee on Education, Law and Society**Courses/ Lecture Series**

Human Rights in the Workplace			
Human Rights in Practice	87-3	14	17
Introduction and Orientation	87-3	14	17
Issues in Employment Law & Human Rights	87-3	14	17
Human Rights Follow-Up Workshop	88-1	7	6

INTERDISCIPLINARY ADVISORY COMMITTEES

		Semester	Hours	Enrolment
Introduction and Orientation		88-1	14	12
Issues in Employment Law & Human Rights		88-1	14	12
Total Activities	6			
Total Enrolment	81			

Writing Program, SFU Advisory Committee**Courses/ Lecture Series**

Readers' Book Club	87-2	7.5	16
Essay Writing Workshop	87-3	15	14
Readers' Book Club	88-1	15	31

Business Writing

Advanced Study in Writing for Business and the Professions	87-2	24	40
Writing News Releases that Work	87-2	12	14
Writing Successful Proposals: A Process Approach	87-2	24	12
Advanced Study in Writing for Business and the Professions	87-3	90	49
Business Writing for Professionals whose First Language is Not English	87-3	24	15
Corporate Writers Roundtable	87-3	4	10
Editing Effective Corporate Newsletters	87-3	12	11
Grammar: A Quick Review of Common Puzzles in Today's English	87-3	8	16
Writing News Releases That Work	87-3	12	11
Writing Successful Proposals: A Process Approach	87-3	12	30
Advanced Study in Writing for Business and the Professions	88-1	30	26
Business Writing for Professionals Whose First Language is Not English	88-1	24	10
Developing Policy and Procedures Manuals for Business and Government	88-1	6	16
Editing Effective Corporate Newsletters	88-1	12	10
Grammar: A Quick Review of Common Puzzles in Today's English	88-1	8	15
Writing News Releases that Work	88-1	13	16
Writing Successful Proposals: A Process Approach	88-2	12	16

Computer Workshops

Desktop Publishing Alternatives for Reports and Proposals	87-3	6	4
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Professional Writing

Anatomy of a Thriller	87-2	12	13
Focusing on Audience	87-2	12	5
Freelance News and Feature Writing	87-2	16	20

INTERDISCIPLINARY ADVISORY COMMITTEES

	Semester	Hours	Enrolment
New Dimensions in Writing	87-2	12	14
Writing a Novel	87-2	11	15
Freelance News and Feature Writing	87-3	18	20
Funny Business: Writing Humour for Fun and Profit	87-3	21	8
Grammar: A Quick Review of Common Puzzles in Today's English	87-3	8	16
Travel Writing	87-3	12	15
Writing a Novel	87-3	10	14
Writing Science and Medical Stories	87-3	12	8
Copywriting: Words that Motivate	88-1	18	18
News and Feature Writing: A Practical Print Journalism Course	88-1	18	20
Shaping Your Book	88-1	20	13
Succeeding as a Freelance Writer: The Story Behind the Words	88-1	6	9
Travel Writing	88-1	18	14
Writing a Novel	88-1	10	15
Visualizing and Structuring Short Stories for Print, Radio and T.V.	88-2	6	13
Publishing			
Copy Editing	87-2	16	15
Desktop Publishing	87-2	8.5	15
Practical Editing for Academic and Other Professionals	87-2	12	4
Proofreading	87-2	6	38
Accounting and Finance in the Publishing Industry	87-3	10	4
Copy Editing	87-3	16	20
Desktop Publishing: Specialized or Single Title Publishing Using the New Technology	87-3	9	12
Editing Fiction: A View From Both Sides	87-3	5.5	11
Effective Book Promotion	87-3	12	5
The Art and Science of Indexing	87-3	6	10
The Editor as Manager/ The Role of the Senior Editor	87-3	16	9
Basic Editing	88-1	25	42
Desktop Publishing: A Day with Ventura Publisher	88-1	6	12
Desktop Publishing: an Advanced Workshop in Ventura Publisher	88-2	6	8
The Editor as a Manager	88-2	14.5	16
Lectures/ Colloquia			
The Book Connection	87-3	3	250

Total Activities 55
Total Enrolment 1103

SERVICE PROGRAMS**Semester Hours Enrolment****Certified Employee Benefit Specialist Program for Canada****Courses/ Lecture Series**

Government-Sponsored Benefit Programs	87-3	33	17
Investment Analysis and Portfolio Management	88-1	33	15
Total Activities	2		
Total Enrolment	32		

Conferences**Conferences/ Symposia**

B.C. Yukon Association of Women's Centres (SFU Women's Centre)	87-2	18	89
Total Activities	1		
Total Enrolment	89		

Fellows' and Professional Certification Programs**Courses/ Lecture Series**

Communication in Business	87-2	39	36
Introduction to Marketing	87-2	42	23
Communication in Business	87-3	39	89
Fundamentals of Accounting	87-3	42	39
Introduction to Business Administration	87-3	42	44
Introduction to Economic Theory	87-3	42	26
Organizational Behaviour	87-3	42	47
Risk Control	87-3	42	18
Structure of the Risk Management Process	87-3	42	21
Communication in Business	88-1	39	38
Fundamentals of Accounting	88-1	42	29
Introduction to Business Administration	88-1	42	46
Introduction to Marketing	88-1	42	35
Organizational Behaviour	88-1	42	38
Total Activities	14		
Total Enrolment	529		

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Archaeology				
Archeology 101 - The Prehistoric Past				
Maya, Lords of the Jungle	1.0			
Atlantis	0.5			
Gorf	0.5			
Bronze Age Blast-off	1.0			
		87-3	3	27
		88-1	<u>3</u>	<u>28</u>
			6	55
Communication				
Communication 130 - Exploration in Mass Communication				
Media Information Canada	0.5			
The Press and the Prime Minister	1.0			
The Fashionable Image	0.5			
Video Vinyl and Culture	0.5			
Inside TV News	1.5			
Ownership and the Public Interest	0.5			
Magic in the Sky	1.0			
Beyond Words	0.5			
The Third Wave	1.0			
Canada in an Information Age	0.5			
		87-2	7.5	39
		87-3	7.5	61
		88-1	<u>7.5</u>	<u>61</u>
			22.5	161
Criminology				
Criminology 101 - Introduction to Criminology				
Capital Punishment: Should the Public Want it Reinstated	0.5			
		87-2	0.5	39
		87-3	0.5	65
		88-1	<u>0.5</u>	<u>53</u>
			1.5	157

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Criminology 131 - Introduction to the Criminal Justice System				
Young Offenders	0.5			
Officers of the Court	0.5			
The Sentencing Dilemma	1.0			
Stewards of Justice	1.0			
Criminal Justice in the Canadian North	1.0			
		87-2	4	34
		87-3	4	30
		88-1	<u>4</u>	<u>39</u>
			12	103
Criminology 135 - Introduction to Canadian Law and Legal Institutions				
The Sentencing Dilemma	run for another course			
Pleasure and Pain:				
Drug Use and Abuse	1.0			
History of the English Law	1.0			
		87-2	2	31
		87-3	2	37
		88-1	<u>2</u>	<u>45</u>
			6	113
Criminology 230 - Criminal Law				
The Lawyers: Regina v Willis	1.0			
Criminal Negligence	1.0			
		87-2	<u>2</u>	<u>16</u>
			2	16
Criminology 241 - Introduction to Corrections				
Perspectives on Corrections	1.5			
Tiers	0.5			
Wall to Wall	0.5			
		87-2	2.5	16
		87-3	2.5	6
		88-1	<u>2.5</u>	<u>39</u>
			7.5	61

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Criminology 330 - Criminal Procedures and Evidence				
Stewards of Justice	run for another course			
Twelve Good Men and True	0.5			
		87-2	0.5	18
		87-3	0.5	43
		88-1	<u>0.5</u>	<u>35</u>
			1.5	96

Education

Education 240 - Social Issues in Education

KCI: Beyond the Three R's	0.5			
Peru: Literacy	0.5			
Ridley: A Secret Garden	0.5			
Summerhill	0.5			
		87-3	2.0	34
		88-1	<u>2.0</u>	<u>45</u>
			4.0	79

Education 441 - Cultural Differences in Education

Twice Upon A Time	0.25			
Gurdeep Singh Bains	0.25			
Kurelek	0.25			
Veronica	0.25			
Kevin Alec	0.25			
Cree Way	0.5			
Hutterites	0.5			
Augusta	0.5			
Cree Hunters of the Mistassini	1.0			
		88-1	<u>3.75</u>	<u>43</u>
			3.75	43

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Education 465 - Using Literature With Children				
Children's Literature and How It Grew	0.5			
Storytelling: the Oral Tradition	0.5			
Exploring Story Through Drama	0.5			
		87-2	1.5	75
		88-1	<u>1.5</u>	<u>66</u>
			3.0	141
Geography				
Geography 317 - Soil Geography				
Pods of Protein	0.5			
Choices	0.5			
The Temperate Rain Forest	0.5			
The Land Must Provide	0.5			
		87-2	2.0	33
		88-1	<u>2.0</u>	<u>49</u>
			4.0	82
Geography 469 - The Canadian North and Middle North				
Stefansson: the Arctic Prophet	0.5			
People of the Seal	2.0			
Cree Hunters of the Mistassini	run for another course			
		88-1	<u>2.5</u>	<u>54</u>
			2.5	54
History				
History 338 - World War 11				
World At War	27.0			
		87-2	27.0	55
		87-3	27.0	57
		88-1	<u>27.0</u>	<u>57</u>
			81.0	169
History 484 - History of Women in North America				
Wings on Her Shoulders/ Proudly She Marches	0.5			
		87-2	0.5	42
		87-3	0.5	48
		88-1	<u>0.5</u>	<u>34</u>
			1.5	124

SFU/Knowledge Network Programming 87-88

Kinesiology

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Kinesiology100 - Introduction to Human Structure and Function				
Circulation of the Human Body	.25			
		87-2	0.25	58
		87-3	<u>0.25</u>	<u>63</u>
			0.5	121
Kinesiology 140 - Contemporary Health Issues				
Acid Rain: Requiem or Recovery	0.5			
Rural Health Workers	0.5			
Water: the Hazardous Necessity	0.5			
Who Will I Sentence Now	0.5			
Diabetes: Beating the Needle	0.5			
Our Health is Not For Sale	0.5			
An Unremarkable Birth	1.0			
Just for Me	run for another course			
Turnaround: A Story of Recovery	0.5			
DNA	0.25			
Think Before You Eat	0.5			
The Last of Life	0.5			
Question of Immunity	0.25			
Breathing Yourself to Death	0.5			
An Everyday Miracle Birth	0.75			
Holistic Health	0.5			
		87-2	7.75	51
		87-3	7.75	59
		88-1	<u>7.75</u>	<u>64</u>
			23.25	174
Kinesiology 142 - Introduction To Kinesiology				
Circulation of the Human Body	run for another course			
		87-2		28
		87-3		47
		88-1		<u>52</u>
				127
Kinesiology 220 - Human Foods and Nutrition				
Digestion	0.5			
		87-2	0.5	22
		87-3	<u>0.5</u>	<u>25</u>
			1.0	47

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Kinesiology 320 - The Cultural Aspects of Human Movement Just for Me	0.5			
		87-2	0.5	37
		87-3	0.5	49
		88-1	<u>0.5</u>	<u>54</u>
			1.5	140
Kinesiology 325 - Basic Human Anatomy				
Muscle A Study of Integration	0.5			
The Digestive System	0.5			
The Work of the Kidneys	0.5			
		87-2	1.5	27
		87-3	1.5	22
		88-1	<u>1.5</u>	<u>35</u>
			4.5	84
Mathematics				
Mathematics 101 - Introduction to Statistics (A)				
Order from Chaos	0.5			
		87-2	0.5	32
		87-3	0.5	22
		88-1	<u>0.5</u>	<u>27</u>
			1.5	81
Mathematics 102 - Introduction to Statistics (B)				
Order from Chaos	run for another course			
		87-2		16
		87-3		14
		88-1		<u>14</u>
				44
Political Science				
Political Science 151 - The Administration of Justice				
The Judiciary	0.5			
History of English Law	run for another course			
The Vision and the Game	3.0 (program repeated 87-2, 87-3, 88-1)			
		87-2	6.5	36
		87-3	6.5	52
		88-1	<u>6.5</u>	<u>49</u>
			19.5	137

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
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Sociology/Anthropology

Sociology/Anthropology 291 - Anthropology of Modern Life

North China Factory	1.0
North China Commune	1.5
Soccer	0.5
No Life for a Woman	0.5
Boomer	0.5
Unemployment	1.0
Paperland: Bureaucrat Observed	1.0
Some People Have to Suffer	1.0
The New Mayor	1.0
Pen Hi Grad	0.5

87-3

8.5

36

8.5

36

Women's Studies

Women's Studies 100 - Introduction to Women's Studies

Women in the World	1.5
Working for Pay	1.25
Growing Up Female	1.25
Women View Pornography	2.5
Rape As Sexual Politics	1.75
Women in Popular Culture	1.5
Changing Women's Work	1.25
Union Women	1.25

87-2

12.25

46

87-3

12.25

29

24.50

75

Run For General Interest

Performance an Introduction to Sports Science

Scientific Training	0.5
Sports Medicine	0.5
Sports Technology	0.5

87-2

1.5

87-3

1.5

88-1

1.5

4.5

SFU/Knowledge Network Programming 87-88

Course and Programs	Hours Each Program	Semester	Hrs Per Semester	Enrollment
Teaching Heritage Languages				
Maintaining the Resource	0.5 (program repeated 87-3)			
Role of the Teacher	0.5 (program repeated 87-3)			
Basic Strategies	0.5 (program repeated 87-3)			
		87-3	3.0	
		88-1	<u>1.5</u>	
			4.5	
Trade In Your Blues				
Choosing A Therapist (Pt 1)	0.5			
Choosing A Therapist (Pt 2)	0.5			
Depression In Women (Pt. 1)	0.5			
Depression In Women (Pt. 2)	0.5			
Medication: Pros and Cons (Pt.1)	0.5			
Medication: Pros and Cons (Pt. 2)	0.5			
		87-3	6	
		88-1	<u>6</u>	
			12	
Women and Politics				
How to Get Elected	0.5 (program repeated 87-3)			
Getting Our Issues Heard	0.5 (program repeated 87-3)			
		87-3	2.0	
		88-1	<u>1.0</u>	
			3.5	
Apiculture				
Introduction to Bees	0.5			
Anatomy and Development	0.5			
Bee Behavior	0.5			
Equipment and Site Selection	0.5			
Spring and Summer Management	0.5			
Swarm Prevention and Honey Flow	0.5			
Processing and Marketing	0.5			
Disease Prevention	0.5			
Test and Summary	0.5			
		88-1	<u>4.5</u>	
			4.5	
TOTAL HOURS OF PROGRAMMING				272
TOTAL NUMBER OF COURSES SUPPORTED				63
TOTAL ENROLLMENT*				2,520

*Enrollment figures are based on Centre for Distance Education courses; Viewing for on-campus courses is undetermined as is the general viewing audience.

III. Credit-Free Activities by Administrative/Service Units

Computing Services	Semester	Hours/Section	No. of Sections	Enrolment
Advanced Page Composition on the Macintosh with PageMaker	87-2	2	1	13
	87-3	2	1	13
	88-1	2	1	12
Communicating between IBM compatibles and MTS	87-2	2	1	14
Communicating between microcomputers and MTS	87-3	2	1	6
Communicating between PC Compatibles and MTS	87-3	2	1	10
	88-1	2	1	5
Communicating between the Macintosh and MTS	87-3	2	1	6
	88-1	2	1	3
Drawing Graphs with the computer using TELLEGRAF	87-2	2	2	13
Further Topics on Electronic Mail	87-2	2	1	9
	87-3	2	1	9
Getting started with Electronic Mail on the SFU Network	87-3	2	1	13
	88-1	2	1	10
Getting Started with the ORACLE Database Management System	87-2	2	1	8
	87-3	2	1	6
	88-1	2	1	16
How to use MTS on the mainframe computer	87-3	2	2	28

Computing Services**How to use spreadsheets on PC Compatibles**

Semester	Hours/Section	No. of Sections	Enrolment
87-3	2	1	8
88-1	2	1	9

How to use spreadsheets on the Macintosh

87-3	2	1	6
88-1	2	1	17

How to use the Macintosh more effectively

87-3	2	1	18
88-1	2	1	21

Introduction to Computing Services

87-3	2	1	15
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Introduction to DBASE III PLUS on PC Compatibles

87-3	2	1	12
88-1	2	1	23

Introduction to EASYMTS

88-1	2	1	13
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Introduction to Microsoft Word on PC Compatibles

87-3	2	1	16
88-1	2	1	12

Introduction to Microsoft Word on the Macintosh: Part I

87-3	2	1	20
88-1	2	2	25

Introduction to Microsoft Word on the Macintosh, Part II

87-2	2	1	18
87-3	2	1	19
88-1	2	2	19

Introduction to Microsoft Word on the Macintosh: Part III

87-3	2	1	18
88-1	2	2	25

Introduction to MS FORTRAN Version 4 for IBM compatibles

87-2	2	1	3
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Computing Services	Semester	Hours/Section	No. of Sections	Enrolment
Introduction to MTS, Part I	88-1	2	1	12
Introduction to MTS, Part II	88-1	2	1	11
Introduction to Page Composition on the Macintosh with PageMaker	87-2	2	1	15
	87-3	2	1	13
	88-1	2	1	22
Introduction to PC Compatibles	87-3	2	2	14
Introduction to PC & DOS	88-1	2	1	25
Introduction to PCWrite	87-2	2	1	6
Introduction to plotting graphs on PC Compatibles	87-3	2	1	8
Introduction to the Macintosh	87-3	2	2	29
	88-1	2	2	45
Introduction to Typesetting with the Macintosh	87-2	2	1	16
Introduction to word processing using PCWrite	87-3	2	2	15
Lab for Communicating between IBM compatibles and MTS	87-2	2	1	7
Plotting Advanced graphs on PC Compatibles	87-3	2	1	4
Printing files using PCWrite	87-3	2	1	6
Printing PCWrite files on the Xerox 8700 Laser Printer	87-2	2	1	5
	87-3	2	1	6

Computing Services**Statistical computing using microcomputers**

Semester	Hours/Section	No. of Sections	Enrolment
87-3	2	1	13
88-1	2	1	8
Storing and retrieving information on IBM compatibles using dBASE III PLUS			
87-2	2	1	20
87-2	2	1	6
Storing and retrieving information on PC Compatibles using REFLEX			
87-3	2	1	5
88-1	2	1	13
Storing and retrieving information on the Macintosh using FileMaker Plus			
87-3	2	1	21
88-1	2	1	16
Storing and retrieving information on the Macintosh using Microsoft FILE			
87-2	2	1	6
Storing and retrieving information on the Macintosh using REFLEX			
87-2	2	1	9
87-3	2	1	5
Using 'Cricket Graph' on the Macintosh			
87-3	2	1	14
88-1	2	1	14
Using EASYMTS to produce a short paper or document			
87-3	2	2	33
88-1	2	1	11
Using EASYMTS to search the W.A.C. Bennett Library's online databases			
88-1	2	1	10
Using Interactive FORTRAN under MTS			
87-2	2	1	5
87-3	2	1	6
Using REDUCE to do algebra on the computer			
87-2	2	1	4

Computing Services

Semester	Hours/Section	No. of Sections	Enrolment
87-3	2	1	4
Using the computer for data analysis using SPSSx			
87-3	2	1	12
88-1	2	1	10
Using the MTS Editor to manipulate information			
87-3	2	2	16

Total Activities 79

Total Enrolment 1031

III. Credit-Free Activities by Administrative/Service Units

Library

Access to Information

Semester	Hours/Section	No. of Sections	Enrolment
87-2	2	2	58
87-3	2	6	275
88-1	2	4	127

Total Activities 3

Total Enrolment 460

III. Credit-Free Activities by Administrative/Service Units

Recreation	Semester	Hours/Section	No. of Sections	Enrolment
Aquatics: Bronze Cross	87-2	20	1	4
	88-1	20	1	9
Aquatics: Bronze Medallion	87-2	24	1	5
	87-3	24	1	8
Aquatics: Diving	87-3	8	1	4
	88-1	8	1	17
Aquatics: Scuba	87-2	18	1	8
Aquatics: Swim	87-2	24	1	14
	87-3	24	1	24
	88-1	24	1	19
Combatives: Fencing	87-2	42	1	12
	87-3	42	1	25
	88-1	42	1	26
Combatives: Karate	87-2	70	1	48
	87-3	70	1	64
	88-1	70	1	64
Combatives: Kung Fu	87-3	30	1	18
	88-1	30	1	16
Combatives: Tai Chi	87-2	45	1	17
	87-3	45	1	37
	88-1	45	1	31
Miscellaneous: C.P.R.	87-2	12	1	28

Recreation	Semester	Hours/Section	No. of Sections	Enrolment
	87-3	20	1	64
	88-1	56	1	169
Miscellaneous: Golf	87-2	12	1	27
Miscellaneous: Trampoline	87-3	6	1	4
Miscellaneous: Weight Training	87-3	4	1	10
	88-1	4	1	5
Miscellaneous: Yoga	87-2	10	1	14
	87-3	10	1	26
	88-1	10	1	11
Outdoor Recreation: Avalanche Awareness	88-1	12	1	11
Outdoor Recreation: Backpacking	87-3	5	1	5
Outdoor Recreation: Kayaking	87-2	6	1	5
	87-3	6	1	7
	88-1	8	1	8
Outdoor Recreation: Kayaking (Sea)	87-2	6	1	6
Outdoor Recreation: Map/Compass	88-1	6	1	4
Outdoor Recreation: Rock Climbing	87-2	21	1	20
	88-1	7	1	9
Outdoor Recreation: Scuba	87-3	18	1	14
	88-1	18	1	6
Outdoor Recreation: Skiing Telemark	88-1	16	1	18

Recreation

Semester	Hours/Section	No. of Sections	Enrolment
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Outdoor Recreation: Skiing Tournament

88-1	6	1	5
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Racquet Sports: Badminton

87-3	16	1	8
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Racquet Sports: Racquetball

87-2	2	1	2
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88-1	2	2	5
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Racquet Sports: Squash

87-3	2	2	7
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88-1	2	1	9
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Racquet Sports: Tennis

87-3	16	1	14
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88-1	8	1	4
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Total Activities	51
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Total Enrolment	995
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