SPECIAL COLLECTIONS

UNIVERSITY OF BRITISH COLUMBIA SUMMER SESSION 1974

PUBLICATIONS OF THE UNIVERSITY OF BRITISH COLUMBIA

ANNOUNCEMENT OF THE SUMMER SESSION

SUPPLEMENT TO CALENDAR 1973/74

Fifty-fifth Session: **July 2 to August 10, 1974**

The University of British Columbia

VANCOUVER, B.C., CANADA

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REGULATIONS AFFECTING REGISTRATION IN CREDIT COURSES

1. Last day for registration without late fee, May 1; late fee $20.00
2. Last day for registration with late fee, June 3.
3. Students enrolled in regular Winter Session 1973-74 may be permitted to register to June 17 without payment of the late registration fee, subject to availability of space in classes. Students enrolled in Extension Credit courses 1973-74 must enrol by May 1 or pay the late registration fee.

A REQUEST FOR A SUMMER SESSION CALENDAR DOES NOT CONSTITUTE APPLICATION FOR ADMISSION

Summer Session calendars are mailed on request only. Requests must be renewed each year.

NEW STUDENTS

Obtain from the Office of the Registrar an *Application for Admission* form and registration material and return together with the necessary documents, photographs and fees, *before April 1.*

STUDENTS ENROLLED 1973-74

Students enrolled in the current Winter Session should register by May 1 since many classes are filled before June 17 which is the last day for registration for these students.

FORMER STUDENTS

Obtain from the Office of the Registrar registration material and return it to this Office together with payment for fees before May 1. Students permitted to register after May 1 will be assessed the late registration fee.

SUMMER SESSION, 1974

DATES

April 1, Monday ..... Students who have not previously attended the University should have made application and submitted all necessary documents by this date.

May 1, Wednesday ..... In courses with limited enrolment, fully qualified applicants are assigned to the classes, in general, in order of receipt of their applications. Registration by May 1 cannot assure an applicant of enrolment in a particular class as the limit in that class may have been reached some time earlier.

June 3, Monday ..... Last day for late registration (Late fee assessed after May 1).

July 2, Tuesday ..... *Last permissible day for changes in students courses; a $5.00 fee will be assessed for each change in course. Lectures begin at 8:00 a.m.

3, Wednesday ..... *All changes in registration for courses must be reported to the Registrar's Office by this date.*

4, Thursday ..... Last day for payment of balance of Summer Session fees.

20, Saturday ..... Final examinations for courses ending July 19.

August 9, Friday ..... Last day of lectures for 6 week session.

10, Saturday ..... Final examinations for courses ending August 9.
14, Wednesday ..... Last day of lectures for 7 week session.
15, Thursday ..... Final examinations for courses ending August 14.

*The last day for registration is June 3. Courses may, in some cases, be changed on July 2 but such changes must be reported by July 3 and students *must* be in attendance on July 3 in classes for which they are registered. Each subject or course change made on or after July 2 will, if permitted, be subject to an assessment of $5.00. A late registration fee of $20.00 will be assessed all students registering after May 1.

The University will be closed all day each Saturday except when examinations are scheduled.

Timetable of Lectures—Credit Courses

BUILDING CODES

Abbrev.	Building	Abbrev.	Building
ANGU	Angus	MATH	Mathematics
BIEX	Biological Sciences Extension	MGYM	Memorial Gymnasium
BIOL	Biological Sciences	MGYM MLL	Memorial Gymnasium Motor Learning Lab
BRCK	Brock		
BUCH	Buchanan	MUSC	Music
BUTO	Buchanan Tower	MUSC REC	Music Recital Hall
CHEM	Chemistry	NARB	New Arts
CHLD S.C.	Child Study Centre	PHED	Physical Education
CIVL	Civil Engineering	PONB	Ponderosa Annex B
DUKE	Duke Hall	POND	Ponderosa Annex D
EDUC R.C.	Adult Education Research Centre	PONE	Ponderosa Annex E
		SCRF	Neville Scarfe (Education)
FRWO	Frederick Wood Theatre	SSOB	Scarfe South Office Block
GLSC	Geological Sciences Centre	THPK FLD	Thunderbird Park Field
GOGL	Geography and Geology	UHES	U. Hill Elementary School
HEBB	Hebb	UHSS	U. Hill Secondary School
HMEC	Home Economics	VTTC	Vocational Teacher Training College
HOME MGMT	Home Management House		
IRC	Instructional Resources Centre	WESB	Wesbrook
LASR	Lasserre		

NOTE: Huts are coded "H" followed by the hut letter and number — e.g. HM24

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY—TIME	BLDG ROOM
Anthropology									
070	ANTH	200	951	3.0	INTRO SOCIAL ORG	LEC		M-TH 700-945PM	SCRF 205
070	ANTH	301	951	3.0	INDIANS OF BC	LEC		M-F 1025-1235	BUCH 104
Art Education									
095	ARTE	100	951	3.0	PLAST & GRAPHIC	L-L		M-F 815-1220*	SCRF 1130
095	ARTE	101	951	3.0	HIST FINE ARTS	LEC		M-F 130- 330*	SCRF 100
095	ARTE	201	951	3.0	DRAWING	L-L		M-F 815-1220*	SCRF 1105
095	ARTE	302	951	3.0	PAINTING 1	L-L		M-F 815-1220*	SCRF 6
095	ARTE	401	951	3.0	PAINTING 2	L-L		M-F 815-1220*	SCRF 1106
095	ARTE	402	951	3.0	PAINTING 3	L-L		M-F 815-1220*	SCRF 1106
095	ARTE	405	951	3.0	DESIGN 2	L-L		M-F 815-1220*	SCRF 1107
095	ARTE	415	951	3.0	DESIGN 3	L-L		M-F 815-1220*	SCRF 1107
*Duration of course July 2-August 16.									
Asian Studies									
100	ASIA	330	951	3.0	HIST JAPAN CIVL	LEC		M-TH 700-945PM	BUCH 1221
100	ASIA	405	951	3.0	COM MOVE E ASIA	LEC		M-F 135-345	BUCH 3230
Biochemistry									
120	BIOC	410	951	3.0	PRINC OF BIOCHEM	LEC		M-F 1025-1235	IRC 5
Biology									
130	BIOL	101	951	3.0	PRINCIPL BIOLOGY	LEC		M-F 1025-1235	BIEX 2449
						LAB		M-F 135-450	BIOL 2341
130	BIOL	200	951	1.5	CELL BIOLOGY 1	LEC	1	M-F 800-1010	BIOL 2361
130	BIOL	201	951	1.5	CELL BIOLOGY 2	LEC	2	M-F 800-1010	BIOL 2361
130	BIOL	300	951	1.5	BIOMETRICS	L-L	2	M-F 800-1010	BIOL 2321
130	BIOL	323	951	3.0	GENERAL ECOLOGY	LEC		M-F 135-345	BIOL 2361
						FTP			NSM
130	BIOL	335	951	3.0	PRINCE GENETICS	LEC		M-F 1025-1235	BIOL 2361
						LAB		M-F 135-345	BIOL 3434

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY — TIME	BLDG ROOM
Botany									
140	BOTA	330	951	3.0	PLANT PHYSIOLOGY	LEC		M-F 800-1010	BIOL 3219
						LAB		T W TH 135-450	BIEX 3459
Chemistry									
150	CHEM	103	951	3.0	GENERAL CHEM	LEC		M-F 815-1010*	CHEM 124
						LAB		M T W TH 130-430*	CHEM 270
150	CHEM	205	951	3.0	INORG & ANAL	L-L		M-F 815-1010*	CHEM 160
						LAB		T W TH 130-530*	CHEM 470
150	CHEM	230	951	3.0	ORGANIC CHEM	LEC		M-F 815-1010*	CHEM 300
						LAB		M T TH 130-430*	CHEM 424
150	CHEM	430	951	3.0	CONTEMP CHEM	LEC		M-F 815-1010*	CHEM 126
						LAB		M T W 130-430*	TBA

*Duration of course July 2-August 16.

Chinese									
165	CHIN	180	951	6.0	INTENSIVE CHINESE	LEC		M-F 930-1020**	BUCH 3224
						LEC		M-F 1030-1120	BUCH 3205
						LEC		M-F 1030-1120	BUCH 3201
						LEC		M-F 130-220	BUCH 3224
						LEC		M-F 230-320	BUCH 3205
						LEC		M-F 230-320	BUCH 3201
						SEM		F 800PM-1000PM	BUCH 3218
						LAB		M-F 1130-1220	BUCH 114
165	CHIN	200	951	3.0	INTERM CHINESE	LEC		M-F 1025-1220*	BUCH 3240
165	CHIN	300	951	3.0	ADV MODERN CHIN	LEC		M-F 1025-1220*	BUCH 3244

*Duration of course July 2-August 16.
**Duration of course June 24-August 23.

Classical Studies									
180	CLST	310	951	3.0	GREEK & ROMAN LIT	LEC		M-F 1025-1235	BUCH 225
Commerce									
190	COMM	151	951	1.5	FUNDAMENTAL ACCT	L-L	2	M-F 800-1010	TBA
190	COMM	190	951	1.5	FUNDAMENTAL BUS	LEC	1	M-F 800-1010	TBA
190	COMM	317	951	1.0	CMPTR IN BUS	LEC	2	M-F 1025-1235	TBA
						LAB	2	M-F 135-240	TBA
190	COMM	331	951	3.0	COMMERCIAL LAW	LEC		M-F 800-1010	TBA
190	COMM	352	951	3.0	MANAGERIAL ACCTG	L-L		M-F 800-1010	TBA
190	COMM	391	951	1.5	COMPUT IN BUS	LEC	2	M-F 1025-1235	TBA
						LAB	2	M-F 135-240	TBA
190	COMM	591	951	1.5	BUSINESS POLICY	L-L		M-F 900-1100	TBA
190	COMM	592	951	1.5	BUSINESS POLICY	L-L		M-F 900-1100	TBA

*Duration of course May 3-June 21.

Community and Regional Planning									
780	PLAN	500	951	3.0	WORKSHOP I			TBA	TBA
Comparative Literature									
280	CLIT	500	951	3.0	INTRO TO CLIT			TBA	TBA
Computer Science									
200	CPSC	210	951	3.0	ALGRTHMS & PRGMG	L-L		M-F 1025-1235	CIVL 310
Creative Writing									
210	CRWR	301	951	3.0	WRITING TECH	SEM		M-F 800-1010	BRCK 206
Economics									
240	ECON	100	951	3.0	PRINCPLS OF ECON	LEC		M-F 800-1010	BUCH 217
240	ECON	301	951	1.5	INTRM MICRO ANAL	LEC	1	M-F 1025-1235	BUCH 219
240	ECON	302	951	1.5	INTRM MACRO ANAL	LEC	2	M-F 1025-1235	BUCH 219
240	ECON	345	951	3.0	MONEY & BANKING	LEC		M-F 135-345	BUCH 219
240	ECON	594	951	3.0	RESEARCH SEMINAR	SEM		TBA *	TBA

*Duration of course May 21-August 1.

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY — TIME	BLDG ROOM
Education									
250	EDUC	301	951	1.5	INTRO ED PSYC	L-L	1	M-F 1025-1235	SCRF 206
250	EDUC	302	951	1.5	EDUC EVALUATN	L-L	2	M-F 1025-1235	SCRF 206
250	EDUC	307	951	3.0	MUSIC EDUCATION	L-L		M-F 135-345	SCRF 1317
SELECT ONE OF									
250	EDUC	326	951	3.0	PHYSICAL EDUCATN	L-L		M-F 800-1010	PHED 203A
250	EDUC	326	952			L-L		M-TH 700-945PM	PHED 203B
SELECT ONE OF									
250	EDUC	331	951	3.0	HUMAN DEVELOPMNT	L-L		M-F 1025-1235	SCRF 1223
250	EDUC	331	952			L-L		M-F 135-345	SCRF 1223
250	EDUC	332	951	3.0	ADOLESCENT PSYCH	LEC		M-F 800-1010	SCRF 206
250	EDUC	333	951	3.0	YOUNG CHILDREN	L-L		M-F 800-1235	CHLD S.C.
250	EDUC	334	951	3.0	ROLE OF TEACHER	LEC		M-F 135-345	SCRF 1227
250	EDUC	354	951	1.5	WELDING	L-L	1	M-F 800-1200	VTTC
250	EDUC	357	951	1.5	INDUST COATINGS	L-L	1	M-F 100-500	VTTC
250	EDUC	370	951	1.5	MATH ELE TEACHES	LEC	1	M-F 800-1010	SCRF 1214
250	EDUC	371	951	1.5	MTHDS ELEM MATH	LEC	2	M-F 800-1010	SCRF 1214
SELECT ONE OF									
250	EDUC	380	951	3.0	OUTDR ENVIRON ST	L-L FTP		M-F 910-1125*	SCRF 1007 TBA
250	EDUC	380	952			L-L FTP		M-F 910-1125*	SCRF 1011 TBA
*Duration of course July 2-July 26.									
SELECT ONE OF									
250	EDUC	381	951	1.5	LIBR IN SCHOOL	LEC	1	M-F 1025-1235	SCRF 304
250	EDUC	381	952			LEC	1	M-F 1025-1235	SCRF 205
250	EDUC	382	951	1.5	ELEM SCHOOL LIBR	LEC	2	M-F 1025-1235	SCRF 304
250	EDUC	383	951	1.5	SEL OF MATRLS	LEC	1	M-F 800-1010	SCRF 205
250	EDUC	384	951	1.5	SEL OF MATRLS AD	LEC	2	M-F 800-1010	SCRF 205
SELECT ONE OF									
250	EDUC	385	951	1.5	CLASS AND ORGAN	L-L	1	M-F 800-1010	SCRF 1328
250	EDUC	385	952			L-L	2	M-F 135-345	SCRF 210
250	EDUC	386	951	1.5	CLASS AND CATLG	LEC	2	M-F 800-1010	SCRF 1328
SELECT ONE OF									
250	EDUC	387	951	1.5	SCH LIB INFO I	LEC	1	M-F 135-345	SCRF 304
250	EDUC	387	952			LEC	2	M-F 135-345	SCRF 203
250	EDUC	388	951	1.5	SCH LIB INFO II	LEC	2	M-F 135-345	SCRF 304
250	EDUC	389	951	1.5	TEACH & LIBR	LEC	1	M-F 135-345	SCRF 203
SELECT ONE OF									
250	EDUC	400	951	3.0	PHIL OF EDUC	LEC		M-F 800-1010	SCRF 1227
250	EDUC	400	952			SEM		M-F 1025-1235	SCRF 1227
250	EDUC	403	951	1.5	MENTAL RETARDATN	LEC	1	M-F 800-1010	SCRF 1024
250	EDUC	404	951	3.0	MTHDS ART	L-L		M-F 800-1235	SCRF 1128
250	EDUC	404	952	3.0	MTHDS ENGLISH	LEC		M-F 1025-1235	PONE 121
250	EDUC	404	953	3.0	MTHDS GEOG & SST	L-L FTP	1 1	M-F 800-1010	SCRF 1325 NSM
250	EDUC	404	954	1.5	MTHDS GUIDANCE	LEC	1	M-F 800-1010	SCRF 1008
250	EDUC	404	955	3.0	MTHDS HIST & SST	L-L	2	M-F 800-1010	SCRF 1325
250	EDUC	404	956	3.0	MTHDS HOME EC	LEC		T TH 135-450	HMEC 100
250	EDUC	404	957	1.5	MTHDS MATH	LEC	1	M-F 1025-1235	SCRF 1214
SELECT ONE OF									
250	EDUC	407	951	3.0	EXCEPTIONL CHILD	LEC		M-F 800-1010	SCRF 207
250	EDUC	407	952			LEC		M-F 1025-1235	SCRF 207
250	EDUC	412	951	3.0	INTRO ADULT EDUC	LEC		M-F 800-1010	EDUC R.C.
250	EDUC	413	951	1.5	TRENDS SEC ED	LEC	1	M-F 800-1010	SCRF 208
SELECT ONE OF									
250	EDUC	414	951	3.0	COMMN MEDIA TECH	L-L		M-F 800-1010	SCRF 1311
250	EDUC	414	952			L-L		M-F 1025-1235	SCRF 1311

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY – TIME	BLDG ROOM
250	EDUC	416	951	3.0	SPEECH EDUC	LEC		M-F 1025-1235	SCRF 1226
250	EDUC	424	951	3.0	LANG DEV EX CHLD	LEC	1	M-F 800-1235	SCRF 1022
250	EDUC	425	951	3.0	INSTR IN ART 2	L-L		M-F 800-1235	SCRF 1128
250	EDUC	427	951	1.5	GUIDANCE	LEC	1	M-F 1025-1235	SCRF 204
250	EDUC	428	951	1.5	MENTAL HEALTH	LEC	1	M-F 1025-1235	SCRF 208
250	EDUC	429	951	1.5	EDUCABLE RETARD	LEC	1	M-F 1025-1235	SCRF 1007
SELECT ONE OF									
250	EDUC	430	951	3.0	HIST OF EDUC	LEC		M-F 800-1010	SCRF 1021
250	EDUC	430	952			LEC		M-F 1025-1235	PONE 123
250	EDUC	430	953			LEC		M-F 135-345	SCRF 202
250	EDUC	431	951	1.5	PR LEARN DISA	LEC	1	M-F 800-1010	SCRF 209
250	EDUC	431	952	3.0	PR LEARN DISA	LEC	2	M-F 800-1235	SCRF 209
250	EDUC	436	951	1.5	BEHAV DISORDERS	L-L	1	M-F 800-1010	TBA
250	EDUC	437	951	1.5-3.0	TEACH MALADJUSTD	L-L	1	M-F 1025-1235	TBA
250	EDUC	439	951	1.5	INSTRUCTIONAL TV	L-L	1	M-F 1025-1235	TBA
250	EDUC	440	951	1.5	HOME ECONOMICS	LAB		M-F 1025-1235	HMEC 106
250	EDUC	450	951	3.0	WOODWORKING 2	LAB	2	M-F 800-500	VTTC
250	EDUC	451	951	3.0	METALWORKING 2	L-L	2	M-F 800-500	VTTC
250	EDUC	452	951	3.0	BUILDING CONST 1	L-L	1	M-F 800-500	VTTC
250	EDUC	453	951	3.0	AUTOMOTVE THRY 1	L-L	1	M-F 800-500	VTTC
250	EDUC	454	951	3.0	FOUNDRY PRACTICE	LAB	2	M-F 800-500	VTTC
250	EDUC	458	951	1.5	GRAPHIC REPRES	LAB	1	M-F 800-1200	VTTC
250	EDUC	458	952			LAB	1	M-F 100-500	VTTC
250	EDUC	460	951	3.0	INTRO EDUC ADMIN	LEC		M-F 800-1010	PONE 127
250	EDUC	463	951	3.0	SYNTH MATERIALS	LAB	2	M-F 800-500	VTTC
250	EDUC	464	951	3.0	DSN INDTRL ED II	L-L	2	M-F 800-500	VTTC
SELECT ONE OF									
250	EDUC	465	951	3.0	TECHNICAL PROB	SEM	2	M-F 1025-1235	SCRF 208
250	EDUC	465	952			L-L		M-F 1025-1235	SCRF 1207
SELECT ONE OF									
250	EDUC	470	951	3.0	EDUC SOCIOLOGY	LEC		M-F 800-1010	SCRF 202
250	EDUC	470	952			LEC		M-F 800-1010	SCRF 204
250	EDUC	470	953			LEC		M-F 1025-1235	SCRF 1108
250	EDUC	470	954			LEC		M-F 1025-1235	SCRF 100
250	EDUC	472	951	1.5	READ GRWTH SC	L-L	1	M-F 1025-1235	SCRF 1008
SELECT ONE OF									
250	EDUC	473	951	3.0	DEVMTL READ ELEM	L-L		M-F 800-1010	SCRF 1005
250	EDUC	473	952			L-L	1	M-F 800-1235	SCRF 1006
250	EDUC	473	953			L-L		M-F 1025-1235	SCRF 1005
250	EDUC	473	954			L-L		M-F 135-345	SCRF 1005
250	EDUC	474	951	1.5	DEV READ PRG SEC	L-L	2	M-F 1025-1235	SCRF 1008
250	EDUC	476	951	3.0	REMEDIAL READING	L-L		M-F 800-1235	UHES
250	EDUC	479	951	3.0	CROSS-CULTURL ED	SEM		M-F 135-345	SCRF 1325
						FTP			TBA
250	EDUC	481	951	1.5	EDUC RESEARCH	LEC		M-F 1135-1240	SCRF 1211
250	EDUC	482	951	1.5	INTRO TO STATIST	LEC		M-F 800-905	SCRF 201
250	EDUC	483	951	1.5	EDUC STATISTICS	LEC		M-F 910-1015	SCRF 201
SELECT ONE OF									
250	EDUC	487	951	3.0	RECNT DEV ELEM	SEM		M-F 1025-1235	SCRF 1328
250	EDUC	487	952			SEM		M-F 1025-1235	SCRF 202
250	EDUC	488	951	1.5	ELEM SCHOOL MATH	LEC	2	M-F 800-1010	SCRF 1211
250	EDUC	489	951	3.0	APPLD LING TCHRS	LEC		M-F 800-1010	PONE 123
250	EDUC	494	951	1.5	MOVIES & TV	L-L	1	M-F 800-1010	TBA
250	EDUC	496	951	1.5	MOVIE PRODCTN	L-L	2	M-F 800-1010	TBA
250	EDUC	501	951	1.5	LEARNING & MOTIVTN	LEC	1	M-F 800-1010	PONE 123
250	EDUC	504	951	1.5	HUMAN LRN & INSTR	LEC	2	M-F 800-1010	SCRF 203
250	EDUC	508	951	3.0	SOCIAL STUDIES	SEM		M-F 1025-1235	SCRF 1326
250	EDUC	511	951	3.0	SCIENCE EDUC	LEC		M-TH 700-945PM	SCRF 1211

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY — TIME	BLDG ROOM
250	EDUC	519	951	3.0	HIST CANADN EDUC	SEM		M-F 800-1010	SCRF 1023
250	EDUC	521	951	1.5-3.0	PHILOSOPHY OF ED	SEM		M-F 1025-1235	SCRF 1325
250	EDUC	528	951	1.5	PRINC MEASUREMNT	LEC		M-F 1025-1130	SCRF 203
250	EDUC	529	951	1.5	TEST CONSTRUCT	LEC		M-F 1135-1240	SCRF 203
250	EDUC	536	951	3.0	INDIVIDUAL TESTS	LEC		M-F 800-1010	SCRF 1108
250	EDUC	552	951	3.0	ADMIN THOUGHT	SEM		M-F 800-1010	SCRF SSOB
250	EDUC	556	951	1.5	ADMIN EDUC PROG	SEM	1	M-F 1025-1235	SCRF 209
250	EDUC	557	951	1.5	ADMIN ELEM SCHL	SEM	2	M-F 1025-1235	SCRF SSOB
250	EDUC	558	951	1.5	ADMIN SEC SCHOOL	SEM	2	M-F 1025-1235	SCRF 200
250	EDUC	561	951	1.5-3.0	DECISION MAKING	SEM	1	M-F 130-530	SCRF SSOB
250	EDUC	564	951	3.0	PROBS CURR ORGAN	LEC		M-F 1025-1235	SCRF 1023
250	EDUC	565	951	3.0	COMMERCE	L-L	1	M-F 800-1235	SCRF 210
250	EDUC	565	952	3.0	ENGLISH EDUCTN	SEM		M-F 1025-1235	POND 127
250	EDUC	565	953	3.0	MATHEMATICS	LEC		M-F 135-345	SCRF 1214
250	EDUC	565	954	3.0	SCIENCE EDUCTN	L-L		M-F 1025-1235	SCRF 1210
						FTP			TBA
250	EDUC	569	951	3.0	JUNIOR COLLEGES	LEC		M-F 800-1010	SCRF 304
250	EDUC	576	951	3.0	SUPERV INSTRUCT	SEM		M-F 1025-1235	SCRF 1021
250	EDUC	580	951	3.0	GUIDANCE GROUPS	L-L	2	M-F 1025-1235	SCRF 204
250	EDUC	580	952	3.0	CURRICULUM THRY	SEM		M-F 1025-1235	TBA
250	EDUC	580	953	3.0	ADMINISTRATION	LEC		M-F 800-1010	SCRF 1223
250	EDUC	598	951	3.0	FIELD EXPERIENCE	LEC			TBA
						FTP			TBA
250	EDUC	678	951	1.5	COUNSELING THEOR	LEC	1	M-F 1025-1235	SCRF 1020

English

SELECT ONE OF

290	ENGL	100	951	3.0	LIT & COMP	LEC		M-F 800-1010	BUCH 2224
290	ENGL	100	952			LEC		M-F 1025-1235	BUCH 2224

SELECT ONE OF

290	ENGL	201	951	3.0	SURVEY ENGL LIT	LEC		M-F 800-1010	BUCH 2230
290	ENGL	201	952			LEC		M-F 1025-1235	BUCH 2230

SELECT ONE OF

290	ENGL	202	951	3.0	MAJ AUTH TO 1914	LEC		M-F 800-1010	BUCH 323
290	ENGL	202	952			LEC		M-F 1025-1235	BUCH 323
290	ENGL	300	951	3.0	MAJORS SEMINAR	SEM		M-F 135-345	BUCH 317
290	ENGL	309	951	3.0	MOD ENG BACKGRND	LEC		M-F 800-1010	BUCH 327
290	ENGL	340	951	3.0	ENG NVL TO HARDY	LEC		M-F 1025-1235	BUCH 321
290	ENGL	365	951	3.0	SHAKESPEARE	LEC		M-F 1025-1235	BUCH 317
290	ENGL	425	951	3.0	MODERN DRAMA	L-L		M-F 800-1010	BUCH 317
290	ENGL	511	951	3.0	CHAUCER	SEM			TBA

English Education

SELECT ONE OF

291	ENED	303	951	3.0	ENGL COMPOSITION	LEC		M-F 800-1010	PONB 102
291	ENED	303	952			LEC		M-F 800-1010	PONB 104
291	ENED	303	953			LEC		M-F 1025-1235	PONB 102
291	ENED	303	954			LEC		M-F 1025-1235	PONB 104
291	ENED	303	955			LEC		M-F 1025-1235	POND 203
291	ENED	303	956			LEC		M-F 135-345	POND 203

SELECT ONE OF

291	ENED	311	951	3.0	CHILDREN'S LIT	LEC		M-F 800-1010	PONE 117
291	ENED	311	952			LEC		M-F 800-1010	PONE 121
291	ENED	311	953			LEC		M-F 1025-1235	PONE 117
291	ENED	311	954			LEC		M-F 1025-1235	SCRF 201
291	ENED	311	955			LEC		M-TH 700-945PM	BUCH 225

Fine Arts

300	FINA	125	951	3.0	HIST OF WEST ART	LEC		M-F 135-345	LASR 102
300	FINA	181	951	3.0	STUDIO 1	LAB		M-F 800-1010	DUKE HALL
300	FINA	335	951	3.0	RENAIS & MANNERIST	LEC		M-F 135-345	LASR 104
300	FINA	337	951	3.0	17TH & 18TH CENT	LEC		M-F 1025-1235	LASR 102
300	FINA	339	951	3.0	19TH & 20TH CENT	LEC		M-F 800-1010	LASR 102
300	FINA	351	951	3.0	CHINESE ART	LEC		M-F 1025-1235	LASR 105

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY — TIME	BLDG ROOM
French									
SELECT ONE OF									
330	FREN	110	951	3.0	1ST YEAR FRENCH	LEC		M-F 800-1010	BUCH 3248
330	FREN	110	952			LEC		M-F 1025-1235	BUCH 3248
330	FREN	120	951	3.0	CONTEMP LANG & LIT	LEC		M-F 1025-1235	BUTO 826
330	FREN	202	951	3.0	FR LANG & STYLE 1	LEC		M-F 800-1010	BUCH 3206
330	FREN	220	951	3.0	FR LITERATURE	LEC		M-F 1025-1235	BUCH 3206
330	FREN	302	951	3.0	FR LANG & STYLE 2	LEC		M-F 800-1010	BUTO 826
330	FREN	306	951	3.0	FRENCH PHONETICS	LEC		M-F 135-240	BUCH 220
						LAB		M-F 245-350	BUCH 111
330	FREN	334	951	3.0	FR CIVILIZATION	LEC		M-F 1025-1235	BUCH 2202
General Science Education									
SELECT ONE OF									
343	GSED	309	951	3.0	GEN SC ELEM SCH	L-L		M-F 800-1010	SCRF 1204
						FTP			TBA
343	GSED	309	952			L-L		M-F 1025-1235	SCRF 1204
						FTP			TBA
343	GSED	309	953			L-L		M-F 400-610	SCRF 1204
						FTP			TBA
343	GSED	309	954			L-L		M-TH 700-945PM	SCRF 1207
						FTP			TBA
Geography									
350	GEOG	101	951	3.0	PHYSICAL GEOG	LEC		M-F 800-1010	GOGL 200
350	GEOG	327	951	3.0	HIST GEOG OF CAN	LEC		M-F 1025-1235	GOGL 201
350	GEOG	350	951	1.5	URBAN GEOG	LEC	1	M-F 800-1010	GOGL 100
350	GEOG	494	951	3.0	SOVIET UNION	LEC		M-F 135-345	GOGL 212
350	GEOG	499	951	3.0	CANADA	LEC		M-F 1025-1235	GOGL 212
Geological Sciences									
370	GEOL	105	951	3.0	PHYS & HIST GEOL	LEC		M-F 800-1010	GLSC 107
						LAB		M-F 1025-1235	GLSC 107
German									
390	GERM	100	951	3.0	FIRST YEAR GERM	LEC		M-F 800-1010	BUCH 221
						LAB		M-F 1025-1110	BUCH 217
390	GERM	200	951	3.0	SECOND YEAR GERM	LEC		M-F 1025-1235	BUCH 327
390	GERM	350	951	3.0	GERM LIT 18TH C	LEC		M-F 1025-1235	BUCH 325
390	GERM	403	951	3.0	CLASSICAL PERIOD	LEC		M-F 1025-1235	BUCH 325
390	GERM	516	951	1.5-3.0	GUIDED RESEARCH	SEM		TBA *	TBA
*Duration of course June 1-August 31.									
History									
430	HIST	318	951	3.0	TUDORS & STUARTS	LEC		M-F 135-345	BUCH 221
430	HIST	326	951	3.0	BRIT NORTH AMER	LEC		M-TH 700-940 PM	TBA
430	HIST	372	951	3.0	IDEAS MIDL AGES	LEC		M-F 135-345	BUCH 223
430	HIST	426	951	3.0	CANADA SINCE 1867	LEC		M-F 1025-1235	BUCH 223
430	HIST	432	951	3.0	GRT PWRS 20 CENT	LEC		M-TH 700-940PM	BUCH 218
						SEM		M-TH 700-940PM	BUCH 334
430	HIST	434	951	3.0	SE ASIA FRM 1800	LEC		M-F 1025-1235	BUCH 319
Home Economics									
450	HMEC	204	951	1.5	TEXTILES	LEC	2	M-F 1025-1235	HMEC 109
450	HMEC	205	951	1.5	COMMUNITY NUTRTN	LEC	2	M-F 1025-1235	HMEC 100
450	HMEC	207	951	3.0	FOODS	LEC		M-F 800-1010	HMEC 100
						LAB		M W F 135-550	HMEC 106
450	HMEC	209	951	1.5	NUTRITION	LEC	1	M-F 1025-1235	HMEC 109
450	HMEC	210	951	1.0	CLOTHING CONST	L-L		T W TH 135-550	HMEC 107
450	HMEC	466	951	3.0	SPECIAL PROBS	L-L		M-F 900-430*	HOME MGMT
*Duration of course July 15-August 2.									
Italian									
500	ITAL	100	951	3.0	FIRST YR ITALIAN	L-L		M-F 1025-1235	BUCH 2225
500	ITAL	200	951	3.0	SECND YR ITALIAN	LEC		M-F 800-1010	BUCH 3218

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY — TIME	BLDG ROOM
Japanese									
505	JAPN	180	951	6.0	INTENSIVE JAPNSE	L-L		M-F 800-1235*	BUCH 1214
505	JAPN	200	951	6.0	INTERM JAPANESE	L-L		M-F 800-1235*	BUCH 3202
*Duration of course June 24-August 23.									
Latin									
510	LATN	100	951	3.0	FIRST-YR LATIN	LEC		M-F 800-1010	BUCH 3205
Linguistics									
550	LING	420	951	3.0	LINGUISTIC PRBLM	L-L		M-F 800-1010	BUCH 2225
Mathematics									
SELECT ONE OF									
570	MATH	100	951	2.0	CALCULUS 1	LEC		M W TH 1025-1235	MATH 232
						LEC		F 1025-1130	MATH 232
570	MATH	100	952			LEC		M W 700-945PM	MATH 203
						LEC		TH 700-915PM	MATH 203
570	MATH	120	951	1.0	INTRO ANAL 1	LEC		T 1025-1235	MATH 232
						LEC		F 1135-1240	MATH 232
570	MATH	121	951	1.0	VECT & MATRICE	LEC		T 700-1020PM	MATH 225
570	MATH	200	951	2.0	CALCULUS 2	LEC		M W TH 135-345	MATH 232
						LEC		F 135-240	MATH 232
570	MATH	220	951	1.0	INTRO ANAL 2	LEC		T 135-345	MATH 232
						LEC		F 245-350	MATH 232
570	MATH	221	951	2.0	LINEAR TRANSFORM	LEC		M T 700-945PM	MATH 204
						LEC		TH 700-915PM	MATH 204
570	MATH	222	951	1.0	ELEM ALGEBRA	LEC		W 700-1020PM	MATH 204
570	MATH	301	951	3.0	ORDNRY DIFF EQU	LEC		M-F 1025-1235	MATH 229
570	MATH	305	951	3.0	STATISTICS	LEC		M-F 135-345	MATH 229
570	MATH	312	951	1.0	NUMBER SYSTEM	LEC		T 135-345	MATH 104
						LEC		F 245-350	MATH 104
570	MATH	318	951	3.0	DISCRT RAND PROC	LEC		M-F 1025-1235	MATH 204
570	MATH	412	951	2.0	ELEMNTS SET THRY	LEC		M W TH 135-345	MATH 104
						LEC		F 135-240	MATH 104
570	MATH	531	951	1.0-3.0	ANALYSIS TOPICS	LEC		M-F 135-345	MATH 105
Microbiology									
630	MICB	200	951	3.0	INTRO MICROBIOL	LEC		M-F 800-1010	WESB 201
						LAB		M-F 1025-1235	WESB 103
Music									
660	MUSC	320	951	3.0	HIST OF MUSIC 2	L-L		M-F 1025-1235	MUSC 338
660	MUSC	321	951	3.0	MUSC APPR 20CENT	L-L		M-F 130-345	MUSC REC
660	MUSC	326	951	3.0	MUSIC APPRECIATN	L-L		M-F 1025-1235	MUSC REC
Music Education									
675	MUED	201	951	3.0	CONTPT & HARMNY	L-L		M-F 1025-1235	SCRF 1314
675	MUED	302	951	3.0	INSTRUMENTAL TEC	L-L		M-F 135-345	SCRF 1314
675	MUED	303	951	3.0	CHORAL MUSIC	L-L		M-F 1025-1235	SCRF 1317
Physical Education									
750	PHED	203	951	1.0	CONDITIONING	L-L		M-F 245-350	TBA *
750	PHED	209	951	1.0	SOFTBALL	L-L	1	M-F 135-345	TBA *
750	PHED	216	951	1.0	SOCCER	L-L		M-F 400-505	PHED 203A
750	PHED	218	951	1.0	GAMES & CONTSTS	L-L		M-F 1025-1130	MGYM GYM
750	PHED	220	951	1.0	BADMINTON	L-L		M-F 910-1015	TBA *
750	PHED	223	951	1.0	WRESTLING	L-L		M-F 135-240	TBA *
750	PHED	224	951	1.0	GOLF	L-L	1	M-F 800-1010	TBA *
750	PHED	226	951	1.0	TENNIS	L-L		M-F 135-345	THPK FLD
750	PHED	229	951	1.0	SQSH HNDBL RKTBL	L-L	1	M-F 1025-1235	TBA *
750	PHED	230	951	1.0	SWIMMING 1	L-L		M-F 1135-1240	MGYM POOL
750	PHED	240	951	1.0	DANCE	L-L		M-F 135-240	TBA *
750	PHED	363	951	1.5	KINESIOLOGY	LEC	1	M-F 1025-1235	TBA *
750	PHED	416	951	1.0	SOCCER COACHING	L-L		M-F 800-905	TBA *

DEPT. NO.	NAME	CRS	SEC	UNITS	COURSE DESCRIPTION	ACT	TERM	DAY—TIME	BLDG ROOM
750	PHED	460	951	1.5	ADMIN PRACT	LEC	2	M-F 1025-1235	TBA *
750	PHED	463	951	1.5	PHYSLGY EXERCISE	L-L		M-F 245-350	MGYM 32
750	PHED	468	951	1.5	HUMN MOTR PRF	LAB	2	M-F 910-1015	MGYM MLL
						LEC		M-F 910-1015	MGYM 32

*Rooms will be posted in the Memorial Gymnasium during the week prior to July 2.

Philosophy

760	PHIL	100	951	3.0	INTRO TO PHIL	LEC		M-F 1025-1235	BUCH 1213
760	PHIL	201	951	3.0	ETHICS & SOCL PHIL	LEC		M-F 800-1010	BUCH 2202
760	PHIL	311	951	3.0	AESTHETICS	LEC		M-F 135-345	BUCH 2202

Physics

790	PHYS	110	951	3.0	MECH ELEC ATOMIC	LEC		M-F 800-1010	HEBB 12
						LAB		M-F 135-435	HEBB 20

Political Science

830	POLI	201	951	1.5	FOREIGN GOVTS	SEM	1	M-F 1025-1235	BUCH 3230
830	POLI	204	951	3.0	INTRNTL POLITICS	LEC		M-F 1025-1235	BUCH 3236
830	POLI	321	951	1.5	QUEBEC GOVT	SEM	2	M-F 1025-1235	BUCH 3230

Psychology

850	PSYC	200	951	3.0	EXPERIMENTL PSYC	LEC		M-F 1025-1235	TBA
850	PSYC	206	951	3.0	BEHAVIOUR DYNAM	LEC		M-F 1025-1235	TBA
850	PSYC	308	951	3.0	SOCIAL PSYC	L-L		M-F 1025-1235	TBA
850	PSYC	316	951	3.0	RESEARCH METHODS	L-L		M-F 800-1010	TBA
850	PSYC	415	951	3.0	PSYC OF WORK	LEC		M-F 800-1010	BUCH 219
850	PSYC	546	951	1.0-3.0	PSYCH PROBLEMS	SEM			TBA
						FTP			TBA

Recreation

877	RECR	394	951	1.5	OUTDOOR RCRTN	LEC	2	M-F 400-610	TBA *
						FTP	2		TBA *

*Rooms will be posted in the Memorial Gymnasium during the week prior to July 2.

Religious Studies

880	RELG	204	951	3.0	EASTN RELG TRADS	LEC		M-F 800-1010	BUCH 1210
880	RELG	300	951	3.0	ARCHOLOGY NR EAST	LEC		M-F 1025-1235	LASR 107

Russian

910	RUSS	180	951	6.0	INTENSIVE WORKSP	L-L		M-F 900-600*	NARB 104

*Duration of course July 2-August 16.

Slavonic Studies

920	SLAV	306	951	3.0	RUSS LIT IN TRNS	L-L		M-F 1025-1235	BUCH 3252

Sociology

930	SOCI	461	951	3.0	POLITICAL SOC	LEC		M-TH 700-945PM	SCRF 203

Spanish

960	SPAN	100	951	3.0	1ST YEAR SPANISH	L-L		M-F 1025-1235	BUCH 3218
960	SPAN	200	951	3.0	2ND YEAR SPANISH	LEC		M-F 800-1010	BUCH 3244

Theatre

980	THTR	200	951	3.0	THEATRE PRACTICE	L-L		M-F 800-1010	FRWO 206
980	THTR	301	951	3.0	CHILDRENS THEATR	L-L		M-F 1025-1235	HM24

NOTES

Examination Schedule

The final examination schedule will be posted around the campus in the early weeks of the Summer Session.

Regulations Affecting Course Changes

Preliminary study is essential for each Summer Session course if the normal course content is to be covered in the time available during the summer. Prospective Summer Session students must, therefore, commit themselves to their programmes of study by the last day for registration, May 1.

Changes in registration, where permitted, must be made on or before the first day of lectures, July 2, and reported to the Registrar's Office not later than July 3. Each such change made on or after July 2 will require a fee of $5.00 that must be paid before a *class card* will be issued for the course to be taken. Course changes necessitated by over-subscription in enrolment or the dropping of courses by the University will not incur additional fee assessments.

Regulations Affecting Supplemental Examinations

It is anticipated that supplemental examinations will be held on the afternoon of Friday, December 6, 1974, at 3:30 p.m. Students who cannot write the examination at the University will have the opportunity of writing at one of various centres throughout the Province. In exceptional circumstances special centres will be established.

A student will be granted a supplemental examination in a subject which he has taken during the Summer Session provided (i) he has written the final examination and has obtained a mark of not less than 40% and (ii) he has obtained 3 units of credit in the session. Supplemental privileges will not be granted students who fail the laboratory work of science or industrial arts courses.

Registration in Courses with a Limited Enrolment

Students registering in these courses are strongly advised to indicate a second choice in the event that a course has reached its capacity.

Teacher Qualification Service

The Teacher Qualification Service, sponsored jointly by the B.C. Teachers' Federation and the B.C. School Trustees' Association as an advisory service to teachers and school boards, evaluates teacher qualifications.

The Service acts only upon application and only after the individual has been granted a British Columbia teaching certificate by the Provincial Department of Education.

Qualifications are evaluated and categories assigned on the basis of complete years of appropriate academic and professional preparation as reflected in official transcripts of record. Partial years are not evaluated. At present the Service recognizes six categories, each corresponding to the number of years of training acceptable to the Teacher Qualification Board. One of the years must be a professional (teacher) training "year".

Broadly speaking, preparation which qualifies —

(a) for the Teaching License is assigned category 1 or 2;

(b) for the Standard Certificate is assigned category 3 or 4;

(c) for the Professional Certificate is assigned category 4, 5, or 6.

T.Q.S. category 6 requires a minimum of six years of preparation and a Master's degree acceptable to the Teacher Qualification Board.

The Service at the present time deals only with teachers who are newly certified or who are new to a school district or who are up-grading their certificate. "Request for Evaluation" forms are available from the Teacher Qualification Service Office, 220-1070 West Broadway, Vancouver, B.C. V6H 1E7. Forms are also available at the Records Office, Room 103, Education Building.

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Joyce Searcy, B.A., M.Ed., Acting Dean of Women (to June 30).
(to June 30).
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Nancy C. McLean, M.L.S., Assistant Professor.
Leland McMullen, Ed.D., Associate Professor, Winona State College, Minnesota.
David S. McNeal, M.A., Assistant Professor, B.C. Institute of Technology.
Florence McNeal, M.A., Assistant Professor.
John P. Miles, M.L.S., Librarian, Naches School District, Washington.
Arthur J. More, Ph.D., Assistant Professor.
John Morrow, B.A., School District #34 (Abbotsford).
James Mulholland, M.Ed., Teacher, University Hill School, Vancouver.
Muriel Niemi, Ed.D., Associate Professor.
Peter Olley, Ph.D., Assistant Professor.
Cecily Overall, M.Ed., Assistant Professor.
Douglas Owens, Ed.D., Assistant Professor.
Cora Paton, Ph.D., Associate Professor.
Gary Pennington, Ed.D., Associate Professor.
Donald A. Rahrick, B.Ed., Librarian, School District #39 (Vancouver).
Melvyn D. Rainey, M.L.S., Assistant Professor.
Marion V. Ralston, M.Ed., Assistant Professor.
Elva Reid, M.Ed., Lecturer.
John Ricker, M.A., Professor, University of Toronto.
Dorothy Rizer, M.Ed., Associate Professor.
Denis Rodgers, Ph.D., Assistant Professor.

Sally Rogow, Ed.D., Assistant Professor.
Leon Rousseau, Ph.D., Associate Professor.
Clay C. Rutherford, B.Ed., Curriculum Co-ordinator, Chilliwack School District #33.
Kenneth Slade, Ph.D., Assistant Professor.
Walter Szetela, Ed.D., Assistant Professor.
John Taylor, M.Sc.
Carol Thew, M.Ed.
Robert Tolsma, Ph.D., Assistant Professor.
Pierre Turgeon, Ph.D., Associate Professor, University of Ottawa.
Elsie B. L. Wagner, M.A., Librarian, School District #11 (Trail).
Louis Walters, Ph.D., Associate Professor.
Paul Watson, Ph.D., Professor, Governor State University, Illinois.
Tory I. Westermark, D.Ed., Associate Professor.
E. Norman Yates, A.O.C.A., Professor, University of Alberta.

INDUSTRIAL EDUCATION

Michael M. Banwell, Instructor, Vancouver School of Art.
Richard Baril, B.Ed., Instructor, J. Lloyd Crowe Secondary School.
John Harasin, B.Ed., Instructor, J. Lloyd Crowe Secondary School.
David H. Harrington, M.Ed., Instructor, Gladstone Secondary School.
Roy C. Lewis, M.F.A., Assistant Professor.
Robert F. Merriam, M.Ed., Assistant Professor.
Ronald H. Morrice, M.Ed., Industrial Education Department Head, Vancouver Technical Secondary School.
E. Raymond Ratcliffe, Instructor, Abbotsford Senior Secondary School.
Ted Slinn, B.Ed., Industrial Education Department Head, Prince of Wales Secondary School.
Edward Traff, B.Ed., Instructor, Burnaby North Secondary School.
Peter A. Trant, B.Ed., Senior Instructor, Division of Industrial Education.

ENGLISH

H. M. Clarke, M.A., Lecturer.
Errol Durbach, Ph.D., Assistant Professor.
Diane Eaton, B.A., Instructor.
John F. Hulcoop, Ph.D., Professor.
Robert M. Jordan, Ph.D., Professor.
Sybil MacMillan, M.A., Lecturer.
Murray Morton, M.A., Instructor.
Joan L. Pavelich, M.A., Senior Lecturer.
Philip Pinkus, Ph.D., Professor.
Herbert J. Rosengarten, M.A., Assistant Professor.
Agnes G. Savery, M.A., Instructor.
Roger Seamon, Ph.D., Assistant Professor.
Bickford Sylvester, Ph.D., Associate Professor.
Peter A. Taylor, Ph.D., Assistant Professor.
W. Meredith Thompson, D.Phil., Professor.
Charles Watson, B.A., Instructor.
Jacob D. Wigod, Ph.D., Associate Professor.

FINE ARTS

James O. Caswell, Ph.D., Assistant Professor.
Bradford R. Collins, M.Phil., Assistant Professor.
Mervyn J. Crooker, M.A., Assistant Professor, Mount Allison University, Sackville, New Brunswick.
W. Herbert Gilbert, B.A., Associate Professor.

FRENCH

H. A. Bouraoui, Ph.D., Professor, York University.
Jacques Dorin, M.ès L., Lecturer.
Richard G. C. Holdaway, Ph.D., Assistant Professor.
Jérôme M. Robert, M.A., Lecturer.
Michèle Kaltemback, M.ès L., Lecturer.
Emilien Leduc, M.A., Lecturer.
Charles Maingon, Ph.D., Instructor, Royal Roads Military College, Victoria.
Martine Nicollerat, L.ès L., Lecturer.

GEOGRAPHY

David Ley, Ph.D., Assistant Professor.
Marwyn Samuels, Ph.D., Assistant Professor.
Olav Slaymaker, Ph.D., Associate Professor.

GERMAN

Horst Martin, Ph.D., Assistant Professor.

HISTORY

Michael S. Cross, Ph.D., Associate Professor, University of Toronto.
George Egerton, Ph.D., Assistant Professor.
Brian Harrison, M.A., Professor.
Leslie F. S. Upton, Ph.D., Professor.
R. B. Wernham, M.A., Professor Emeritus, Oxford University, England.

HOME ECONOMICS

Margaret Arcus, Ph.D., Assistant Professor.
I. D. Desai, Ph.D., Associate Professor.
Nancy E. Schwartz, Ph.D., Assistant Professor.
Jean Wilson, M.S., Instructor.

ITALIAN

Carlo Chiarenza, Ph.D., Assistant Professor.
Stefania Ciccone, Dott.Lett., Associate Professor.

JAPANESE

S. Makino, Ph.D., Associate Professor, University of Illinois.
Ken-Ichi Takashima, Ph.D., Assistant Professor.

LATIN

William J. Dusing, M.A., Assistant Professor.

LINGUISTICS

François Dumas, M.A., Lecturer.

MATHEMATICS

Peter S. Bullen, Ph.D., Professor.
Frank H. Clarke, Ph.D., Assistant Professor.
Nathan J. Divinsky, Ph.D., Professor.
Charles W. Lamb, Ph.D., Assistant Professor.
Elod Macskasy, Cand.Sc., Associate Professor.
Lawrence A. Mysak, Ph.D., Associate Professor.
Rimhak Ree, Ph.D., Professor.
Michael Schulzer, Ph.D., Assistant Professor.

MICROBIOLOGY

Robert Miller, Ph.D., Assistant Professor.
Delfa Syeklocha, Ph.D., Assistant Professor.

MUSIC

Howard Brofsky, Ph.D., Professor, Queen's College, New York.
Gregory G. Butler, Ph.D., Assistant Professor.
Eugene N. Wilson, Ph.D., Associate Professor.

PHILOSOPHY

John E. Dixon, Ph.D., Lecturer, Capilano College.
Robert F. Hadley, Ph.D.
Richard Sikora, Ph.D., Assistant Professor.

PHYSICAL EDUCATION AND RECREATION

Anne Anthony, M.Ed., Instructor.
C. R. E. Burnup, Senior Advisor, Physical Education, Kent County Council, England.
Alex Carre, Ph.D., Assistant Professor.
Kenneth Coutts, Ph.D., Assistant Professor.
Joseph Johnson, M.P.E., Associate Professor.
Robert R. Laycoe, M.P.E., Assistant Professor.
Harry Lendvoy, M.P.E., Instructor, Vancouver City College.
Gary Pennington, Ed.D., Associate Professor.
Marian Penney, M.A., Professor Emerita.
D. Lionel Pugh, B.A., Associate Professor.
Gary Sinclair, Ph.D., Assistant Professor.

PHYSICS

Harlan E. Schone, Ph.D., Associate Professor, College of William and Mary, Williamsburg, Virginia.

POLITICAL SCIENCE

Jacques Benjamin, Doctorat (Paris), Assistant Professor, University of Montreal.
Longin Pastusiak, Ph.D., Associate Professor, Polish Institute of International Affairs.

PSYCHOLOGY

Michael J. Apter, Ph.D., Senior Lecturer, Wales University College, Cardiff.
Michael Argyle, M.A., Reader, University of Oxford.
J. Allan Best, Ph.D., Assistant Professor.
Kenneth D. Craig, Ph.D., Associate Professor.
John Huberman, Ph.D., Lecturer.
P. Bruce Landon, Lecturer.
Brian R. Little, Ph.D., Assistant Professor.

RELIGIOUS STUDIES

Mervin Hanson, M.A.
Hanna E. Kassis, Ph.D., Associate Professor.
Joseph I. Richardson, S.T.M., Assistant Professor.

RUSSIAN

Jan. J. Solecki, M.A., Associate Professor.

SLAVONIC STUDIES

Michael Futrell, Ph.D., Professor.

SPANISH

J. C. Murchison, A.M., Assistant Professor.
C. Smith, M.A.

THEATRE

Klaus Strassman, Ph.D., Assistant Professor.

ADMISSION, REGISTRATION AND ATTENDANCE

CREDIT COURSES

For requirements for admission to the University, information in regard to attendance, and regulations governing courses, see the University Calendar. The University reserves the right to limit attendance, and to limit the registration in, or to cancel, any of the courses listed.

REGISTRATION PROCEDURE

(Registration will be denied any applicant who does not comply with the regulations listed below.)

1) Application:

a) Students registering in the University for the first time.

Obtain from the Registrar's Office an *Application for Admission* form. Return this, duly completed, together with certified copies of ALL University Entrance Certificates and any higher certificates possessed not later than April 1. School teachers taking courses for credit either toward a university degree or toward teacher certification must present official transcripts of their matriculation standing, of their professional training and of any university work already completed. British Columbia teachers who have not completed their professional training at the University of British Columbia or the University of Victoria or Simon Fraser University must, in addition, request the Registrar, Department of Education, Victoria, B.C. to forward to the Records Office of the Faculty of Education, Transfer of Credit statement certifying their status as teachers in this province, *if this has not been done previously.* This statement should be requested early in order to permit registration before the April 1 deadline.

Students who fail to provide full documentation in support of their applications by May 1 may be refused admission to the Summer Session for the current year. For students still in Secondary School this deadline is extended to May 31.

A fee of $10.00 is assessed for the evaluation of educational documents not issued by institutions in British Columbia. The fee must be submitted with the application form accompanied by supporting documents. The fee is non-refundable and not applicable to tuition; it is in addition to the registration fee which is the first instalment of the Summer Session fees.

b) Students who have previously registered in the University.

Apply by letter stating Session last attended, and programme to which admission is being sought.

2) Registration:

a) Registration material will be sent upon request; registration must be completed fully, including courses to be taken (and section number if section is indicated) and returned to the Registrar's Office. Students are reminded that it is their responsibility to ensure that the courses elected are applicable to their programme.

b) Each registration must be accompanied by a deposit of $20. A registrant who notifies the Registrar on or before July 3 of his intention to cancel his registration will be refunded all but $10 of fees paid. The late registration fee is not refundable.

c) All registrants who have not completed registration and submitted it to the Registrar's Office by May 1 will be assessed a late registration fee of $20.00 (which is non-refundable), which must, in addition to the minimum deposit, accompany each late registration.

d) Students registered in 1973-74 who have a valid "Library and Identification" card may borrow from the Library with that card and will not be issued a separate Summer Session Library card.

Library cards will be mailed from the Library up to June 15th. Students who require a Library card and do not receive a Library card in the mail may pick theirs up at the Circulation Desk in the Main Library.

e) Secondary school students who graduated in January or will graduate in June are eligible to apply for admission to Summer Session. These students should follow the procedure given in para 1 "Application". They will, however, be given until May 31 to submit transcripts of their Grades 11 and 12 record as provided by their school principals. *Furthermore, they must explain briefly their reasons for taking the courses proposed in order that the appropriate Faculty advisors may check the validity of their choices.* These students are reminded that they may enrol for no more than two 3-unit courses and only one if there is an accompanying laboratory.

f) Registrants will not be considered as enrolled until fees have been paid in full and registration is subject to cancellation unless payment has been made by July 4. Cancellation of registration for non-payment of fees does not remove from the record the amount of delinquent fees.

g) If a student whose registration has been cancelled for non-payment of fees applies for reinstatement and his application is approved, he will be required to pay a reinstatement fee of $25.00 and all other outstanding fees before he is permitted to resume classes.

h) A student in a baccalaureate programme who registers for a graduating essay or thesis in a winter session and who is unable to complete the requirements for it, is required to register in the session in which he plans to submit the essay or thesis and pay a fee of $50.00 plus A.M.S. fee if he is on campus or a $25.00 fee if he is off campus. A student will be considered 'on campus' if he is making use of the library facilities and having interviews, on occasion, with his faculty adviser.

3) Restriction on registration in the Summer Session:

a) A student who obtained **Fail** standing during the last Winter Session attended *may not* enrol in Summer Session.

b) The University reserves the right to reject applicants for the Summer Session whose previous academic records are unsatisfactory, even if they technically meet the entrance requirements.

4) Regulations Governing Credit Courses:

a) The maximum credit for Summer Session work in any one calendar year is 6 units. Students taking a correspondence course concurrently with the maximum 6-unit load must defer the writing of the final examination of the correspondence course until December.

b) The maximum credit for courses taken in a combination of Inter-Session (May-July) and Summer Session (July-August) is normally six units. Permission to attempt courses beyond a total of six units must be sought and obtained from the Dean of the Faculty concerned before registration.

c) Credit will not be given toward the B.A. or B.Sc. degrees for courses in other Faculties or Schools unless special provision has been made. In the Departments of English, Fine Arts, Music, and Theatre some courses are useful for credit only toward the B.Ed. degree.

d) Students must check with their Faculty Advisers that their choice of courses is appropriate to their degree programmes, unless it is clear from Faculty regulations in the Calendar that this is so.

e) Students must attend regularly the classes in a course for which they register. Those whose absences from a course are considered excessive by the Instructor will not be credited with attendance in that course.

f) Except for English 100 no course may be repeated more than once.

AUDITORS IN CREDIT COURSES

In some courses where there is space available and student participation is not mandatory, it is possible to accept auditors. An auditor does not participate in seminars, submit essays, etc. or write examinations. Where it is possible to permit registration of an auditor a special auditor's fee is assessed.

Application must be made for admission as an auditor with the specific course(s) listed in which auditing is desired.

GRADUATION

Summer Session students expecting to complete degree requirements must make formal application for graduation on the form provided with other registration material.

Students who complete degree requirements will be given a statement indicating their status, and may, if they so desire, obtain their degree diplomas in the Fall. The Congregation ceremony will be in May, 1975.

SCALE OF FEES — UNDERGRADUATE, UNCLASSIFIED AND QUALIFYING

	Tuition	Summer Session Association	Total
6 units	$200.00	$3.00	$203.00
5½ units	184.00	3.00	187.00
5 units	167.00	3.00	170.00
4½ units	150.00	3.00	153.00
4 units	134.00	3.00	137.00
3½ units	117.00	3.00	120.00
3 units	100.00	3.00	103.00
2½ units	84.00	3.00	87.00
2 units	67.00	3.00	70.00
1½ units	50.00	3.00	53.00
1 unit	34.00	3.00	37.00
½ unit	17.00	3.00	20.00

SCALE OF FEES — FACULTY OF GRADUATE STUDIES

Master's degree candidates studying on a part-time basis will be assessed fees on a course basis according to the following schedule:

	Tuition	Summer Session Association	Graduate Student Centre	Total
6 units	$360.00	$3.00	$8.00	$371.00
4½ units	270.00	3.00	8.00	281.00
3 units	180.00	3.00	8.00	191.00
1½ units	90.00	3.00	8.00	101.00
1 unit	60.00	3.00	8.00	71.00

Note

Graduate students registered in the Faculty of Graduate Studies in the 1973-74 Winter Session as full-time students (i.e. paid full-time fees) may register in the Summer Session for courses on their program of study and are required to pay only the Summer Session Association fee of $3.00.

REFUND OF FEES — STUDENTS WITHDRAWING

(i) The following table shows tuition fees that will be *charged* students enrolled for courses that last throughout the Summer Session who withdraw after registration:

On or before July 3	$10.00
During the first week of lectures	20% of tuition fee
During the second week of lectures	40% of tuition fee
During the third week of lectures	60% of tuition fee
During the fourth week of lectures	80% of tuition fee
After the fourth week of lectures	No refund

(ii) The following table shows tuition fees that will be *charged* students who withdraw after registration from courses restricted to the first three weeks of lectures or the second three weeks of lectures.

On or before the first day of lectures	$10.00
During the first week of lectures	40% of tuition fee
During the second week of lectures	80% of tuition fee
After the second week of lectures	No refund

(iii) The following table shows Summer Session Association Fees that will be *charged* students who withdraw after registration.

Up to the end of the first week of lectures	Nil
During the second week of lectures	$1.00
After the second week of lectures	$3.00

Note

A student upon registering has initiated a contract with the University for payment of assessed fees. Upon withdrawal, a student must notify the Registrar IN WRITING by letter or by a form that is available at the Registrar's Office. This applies whether or not there has been any actual payment of fees. Cancellation of registration for non-payment of fees does not remove from the record the amount of delinquent fees. Withdrawals will not be accepted by telephone.

TRAFFIC AND PARKING REGULATIONS

Systematic regulation of traffic speed and direction, and of parking and stopping, will be enforced on campus. Brochures outlining traffic and parking regulations will be available at the Traffic Office.

These regulations remain in effect throughout the Summer Session and all faculty, staff and students of the University are responsible for obtaining and familiarizing themselves with them.

Registration:

Faculty, staff and students who have not already registered their automobiles, motorcycles and scooters for 1973-74 are required to register them for the Summer Session and obtain appropriate permits.

Faculty, staff and students must register their automobiles, motorcycles and scooters at the Traffic Office, 3030 Wesbrook Crescent, as soon as possible but registration must be completed by July 9, 1974.

Day Parking: On **MONDAY through FRIDAY**
7:30 a.m. to 5:00 p.m.

Faculty and Staff:

Faculty and staff may park their automobiles in any lot assigned for faculty and staff and in any pay lot. Motorcycles or scooters are to be parked in locations designated for motorcycle parking.

Students:

Students must park their automobiles in the lot designated by their sticker. Motorcycles and scooters must be parked in locations designated for motorcycle parking.

Fees:

Faculty and staff automobiles	$11.00
Faculty and staff motorcycles or scooters	3.50
Student automobiles, Preferred	7.50
Student automobiles, Non-preferred	2.50
Student motorcycles or scooters	1.25

Visitors' Pay Lots:

First hour	10 cents
Second hour	15 cents
Each additional hour (or part)	25 cents

Up to a maximum of $1.50 per day.

Meter times and fees as specified on meters.

Night and Week-end Parking:

MONDAY through FRIDAY from 5:00 p.m. to 7:00 a.m. next day AND on **FRIDAY** from 5:00 p.m. to 7:00 a.m. **MONDAY.**

Pay parking lots are available for visitors, but drivers may also park free of charge in any designated parking lot except for the following restricted areas:

a) Lots designated "Faculty and Staff Registered Cars Only Day and Night."

b) Zones designated "No Parking Anytime Commercial Vehicle Loading Zone."

c) The Faculty Club parking lot reserved for members and their guests.

d) The Graduate Centre parking lot reserved for members and their guests.

e) A few individually reserved areas designated "reserved."

f) Pay lots when an attendant is in charge and a parking fee is required.

g) Federal Buildings' parking lots.

h) Lots designated as "No Parking Anytime Except by Special permit."

j) Meter spaces where it is indicated on the meter that a fee must be paid at all times.

Short Course Students:

Students who are attending courses which do not involve attendance for more than ten days of the Summer Session period may elect to pay $2.50 for a parking permit; or may use the Visitor's pay lots on payment of the standard charge.

SUMMER SESSION ASSOCIATION

1974 Summer Session Association Executive

President ..... Brian Rocksborough-Smith
Past President ..... Fred Calhoun
Directors ..... Fran Carter, Keith Tattman, Sonja Whitehead, Trish Hadfield, Allan Forssell
Honorary Director ..... Dr. N. S. Watt
Producer-Director of Summer Sounds '74 Programmes ..... Doug Reilly

The Summer Session Association serves as a student council for Summer Session students. A variety of activities are sponsored, and these change from year to year as student population varies and as new needs are perceived. All details of this summer's programmes are not available as this calendar goes to press. However, our Summer Sounds Programme, consisting of a series of noon-hour concerts of live music at strategic points on campus will be held again and evening concerts will probably be provided as well. The Summer Session Association will also arrange for dances and Summer Session PUB facilities, and possibly for use of the swimming pool and gymnasium. Other Programmes are under consideration but will not be announced until July.

The Summer Session Loan Fund, established by the Summer Session Association in 1947, which provides loans of up to $200.00 for Summer Session students are repayable by March 1 of the following year. Students should submit their application to the Dean of Inter-Faculty and Student Affairs.

All Summer Session activities will be advertised on special bulletin tripods in all major campus buildings.

SCHOLARSHIPS, BURSARIES, LOAN FUNDS

(Open only to students taking regular academic Courses)

University Summer Session Bursaries

Thirty bursaries of $50 each are available in the Summer Session for students who are taking a full undergraduate course (6 units) of work in the summer session. They will be awarded to undergraduates who hold permanent teaching certificates in British Columbia and are actively engaged in teaching in the Province. Awards will be made on the basis of scholarship, financial need, interest in teaching, and participation in the activities of school and the community. Special consideration will be given to applicants from more remote parts of the Province.

Applications, on forms available from the University Awards Office, Room 207, Buchanan Building, must be received by the University not later than May 31.

The Summer Session Association Loan Fund

This fund, established in 1947, provides loans for students proceeding to a degree by summer session. A limited number of loans, to a maximum of $200 each, are available to (a) teachers (as defined by the Public Schools Act of British Columbia) and to (b) other non-winter session students who have previously completed at least six units by summer session at this University. Loans are to be available to teachers and non-teachers respectively in the same proportion as their numbers in attendance in the previous summer session. Loans are repayable in full by March 1st next, with interest from the time the loan is made. Application must be made to the University Awards Office, Room 207, Buchanan Building. Loans cannot be made until after the beginning of Summer Session, but those who will require loans may write in advance to determine whether they are eligible.

Scholarships for Summer School of the Arts

For information about scholarships and bursaries in Theatre, Music, and Visual Arts, see the appropriate sections.

French Bursaries and Scholarships

Bursaries for teachers, tenable anywhere, for a course to improve fluency, methodology, French literature, etc., are in the amounts of $50 per week to a maximum of six weeks plus a transportation allowance to a maximum of $300.

Scholarships for students, tenable at specific institutions, valued at $600 which amount is paid directly to the institution.

Applications for the above scholarships and bursaries should be made to:

Mr. W. C. Barrell
French Programme Coordinator
Department of Education
Victoria, B.C.

The UBC Bookstore

The Bookstore was established by the University to serve the needs of students and faculty in the acquisition of required textbooks, reference reading material and school supplies. During the Summer Session, the Bookstore is open Monday to Friday from 8:15 a.m. to 4:30 p.m. May to August inclusive. Textbooks and materials required for pre-reading will be sent C.O.D. on request.

UNIVERSITY HEALTH SERVICE

Wesbrook Building

The University Health Service provides a health service for students attending the Summer Session.

British Columbia Hospital Insurance is available to students whose permanent residence is in B.C., or who have resided in the province for 12 months. Students from other Canadian provinces will be covered in B.C. for the duration of the Summer Session by their own provincial hospitalization plans provided their hospital premiums (where applicable) have been paid.

Medical Insurance should also be maintained in the home province. Insurance numbers will be required on visits to the Health Service.**

Preventive vaccinations and innoculations are given by the Health Service. The Health Service Physicians will be available for consultations with students on health problems arising during their attendance at summer session.

**Students without valid insurance will be personally responsible for expenses incurred.

LIBRARY INSTRUCTION

Library orientation programs will be given during the first week of Summer Session. Because of the continuous changes made in the University Library system, it is recommended that students attend, especially if they are new to the campus or have not been enrolled during a recent session. An introduction to the Library will be provided along with information on finding books and periodical articles. Time and assembly points will be posted in the Library.

In addition, the Library publishes a library handbook and other helpful literature which may be picked up at various points throughout the Library.

ON-CAMPUS HOUSING DURING SUMMER SESSION

General

Room and board only is available for Summer Session students in the Place Vanier Residences. There is no charge for children under 18 months if sharing a room with parents (cribs are not supplied). Students are provided with meal passes (valid at Place Vanier Dining Room only) but there is no such provision made for children under 18 months and Food Services does not cater to those on special diets. Cooking and pets are not permitted. Accommodation for students taking short courses will be available at Totem Park only. The daily Convention rate will be charged.

Description of Facilities

Place Vanier is designed to accommodate single students during the Fall and Spring terms. There are common washrooms on each floor of the residences. During Summer Session washrooms are marked on alternate floors for men and women. Because of the limited number of double rooms, families may have to take two single rooms in which case the rate for single rooms must be paid. Rooms are furnished but residents are asked to bring their own soap, toiletries and towels. Coin-operated washers and dryers are in each building. Ironing boards are also in each building but irons are not provided. There are pay telephones on each floor. Limited storage facilities are provided. Canteen facilities (toiletries, cigarettes, soft drinks, etc.) are available in the area. Games equipment may be obtained if a Residence Committee responsible for such is elected. There are no playground facilities for children. Parents must assume full responsibility for their children, their safety and for any damage caused by them. The University reserves the right to withdraw residence facilities from those who cook, keep pets or cause any damage to the facilities.

Car Parking

All cars parked in the University areas must carry a parking permit, obtainable from the University Traffic Patrol and Security Office, Wesbrook Crescent. Residence students must first obtain authorization from the Residence Attendant before applying to the University Traffic Patrol. Trailers of any kind are not permitted on the campus.

Accommodation

The customary July 1 to August 10 housing period is divided so that those who are planning to take 1½ unit courses only, can benefit. Accommodation will be available in the following options:

July 1-August 10. Rooms will be available from the afternoon of July 1 and must be vacated not later than 2:00 p.m. August 10. Full payment for this period must be made on arrival to the Residence Attendant. No refund will be made for meals not taken or for early departure. The first meal provided will be dinner on July 1 and the last will be lunch on August 10.

July 1-July 20 (for students attending 1½ unit courses). Rooms will be available from the afternoon of July 1 and must be vacated not later than 2:00 p.m., July 20. Full payment for this period must be made on arrival to the Residence Attendant. No refund will be made for meals not taken or for early departure. The first meal provided will be dinner on July 1 and the last will be lunch on July 20.

July 22-August 10 (for students attending 1½ unit courses). Rooms will be available from the afternoon of July 22 and *must be vacated not later than 2:00 p.m., August 10.* Full payment must be made on arrival to the Residence Attendant. No refund will be made for meals not taken or for early departure. The first meal provided will be dinner on July 22, and the last will be lunch on August 10.

For those attending 7-week courses residence may be offered up to August 16 only.

STUDENTS ARE ASKED TO INDICATE CLEARLY THE PERIOD THEY WISH TO STAY IN RESIDENCE AND TO ASSUME RESPONSIBILITY TO SEE THAT THE PROPER PERIOD IS STATED ON THE RECEIPT. PLEASE CONSIDER THESE ALTERNATIVES CAREFULLY BEFORE PAYMENT, AND CHECK YOUR ASSIGNMENT BEFORE YOU LEAVE THE COUNTER AS WE ARE UNABLE TO MAKE ANY ADJUSTMENTS ONCE PAYMENT IS MADE. DUE TO FIRM COMMITMENTS, ALL ACCOMMODATIONS MUST BE VACATED ON AUGUST 16th BY 2:00 P.M.

Refund policy

The only time refund is authorized for room and board is when the student must withdraw from UBC or is able to provide medical proof that for health reasons he can no longer attend a Summer Session course. Sub-letting is not permitted and rooms can only be occupied by the students assigned to them through the Residence Attendant's Office. No other direct arrangements between occupants will be accepted.

Visiting Spouses

Occasionally we have requests for husband or wife to join his or her family for a few days. Arrangements can be made through the Residence Attendant's Office for such cases.

There is a maximum time limit imposed and payment for the period is to be made in advance. Accommodation for such visitors is also on room and board basis only. The sponsor is responsible for the guests. Accommodation for visitors is only granted if suitable vacancies permit.

Meals

The Residence Attendant will issue, upon arrival, meal passes valid at Place Vanier Dining Room only to Summer Session students and families (including children over 18 months) for the appropriate period.

Passes for meals required prior to dinner July 1 may be purchased from the Residence Attendant at the daily rate.

Reservations

For students not bringing children *no application is necessary.* Telephone reservations will be accepted after June 17 by calling the Place Vanier Residence Attendant's Office — 228-2477. Reservations must be picked up in person by noon, July 1 for the first half session and by noon, July 21 for the second half session or they will be forfeited. All students are assigned on a first-come first-served basis on arrival at the Residence Attendant's desk regardless of being single or married, except for those bringing children.

For student families or single parents bringing children, application is necessary and forms are available from March 1. Assignment will be made by June 1 each year. Please write for an application or apply for same to the Office of the Director of Residences, The University of British Columbia, 2075 Wesbrook Place, Vancouver, B.C., V6T 1W5. The office is located in the General Services Administration Building at the corner of Wesbrook Crescent and University Boulevard. The telephone number is 228-2811.

Rates

Rate sheets will be available on request after May 1, 1974 from the Office of the Director of Residences.

Private Accommodation Off-Campus

A listing of accommodation for married students with or without children during the summer or for the duration of the Summer Session is made available from the Alma Mater Society Office at the Student Union Building. Ask for the Housing Co-ordinator, telephone 228-2901. *This is a listing service only.* All arrangements must be made directly between the interested parties. The University or the Alma Mater Society do not act as agents for either contracting party.

TEACHER CERTIFICATION

All inquiries concerning teacher certification must be directed to the Registrar's Branch, Department of Education, Victoria, B.C. The following general statement on certification policy was provided by the Registrar's Branch at the time the Calendar went to print. Information on subsequent changes which may have been made by the Department of Education, or clarification on specific certification problems, must be obtained from that same source.

The Professional Certificate and the Standard Certificate are the two types of regular teaching certificates currently issued by the Department of Education. The Professional Certificate requires completion of an acceptable four or five-year post-secondary school programme, normally culminating in a suitable university degree, and the Standard Certificate, of a minimum three-year post-secondary school programme of approved professional and academic or specialist preparation.

All acceptable programmes must evidence completion of at least one year or the equivalent of basic teacher education including suitable study of teaching methodology, educational foundations (such as educational psychology, philosophy, history, sociology), measurement and evaluation, either elementary or secondary school curricula, and supervised observation and practice teaching.

In general, approved preparation programmes leading to *initial certification* as a *secondary school teacher* require at least four, and normally five or more years of professional and academic or specialist studies at the university. The certificate issued to those qualifying is the Professional.

Initial certification as an elementary school teacher may be at either the Standard or the Professional Certification level, depending upon the particular preparation programme undertaken.

All initial certificates issued are interim, valid for up to four years. Permanent Professional and Standard Certificates *may* be authorized after the teacher has satisfied additional conditions including proof of at least two years of recent satisfactory teaching service in British Columbia schools while holding a valid B.C. Certificate.

Persons possessing minimal British Columbia teacher certification issued under previous regulations (Elementary B, Elementary C) or under current regulations (Teaching Licence issued for certain *approved* teacher preparation programmes of less than three years' duration), and those holding Standard Certificates may qualify for higher certification by completing approved preparation programmes at the University. Teacher preparation programmes approved by the Department of Education for higher certification are premised upon the applicant's standing on a suitable degree programme. Consequently, course work to be undertaken must be carefully planned in accordance with the programme or degree requirements of the Faculty of the University in which the applicant is registered. *This is particularly important for those seeking full qualification with such teaching specialties as home economics, industrial education, commerce, music, and physical education.* Attention is drawn to course requirements for degree programmes as prescribed in the Calendar of the University. All inquiries concerning such requirements must be made of the appropriate Faculty at the University. Faculty of Education students should refer to the Records Office, Faculty of Education, University of British Columbia, and to materials on teacher preparation and certification prepared by that Office.

In summary, *providing full basic teacher professional education is included,* under *current* regulations teachers generally may qualify for the types of certificates noted below by completing the appropriate specified standing on a degree programme in the Faculty of Education.

Full Fourth Year or
Full Fifth Year ..... Professional Certificate*

Full Third Year ..... Standard Certificate

Those with *basic teacher professional education acceptable to the Department of Education* (at least one university year or the equivalent) may proceed to a suitable Bachelor of Arts or other appropriate degree and, under *current* regulations, normally qualify for certification as follows:

Full Third Year or
Full Fourth Year ..... Professional Certificate*
Full Second Year ..... Standard Certificate

***Note:** *Teachers should be aware that after September 1, 1974 the Department of Education may well require completion of a recognized university degree as the minimum qualification for the Professional Certificate.*

APPLICATION FOR TEACHER CERTIFICATION

It must be recognized that sole responsibility for teacher certification rests with the Department of Education in Victoria. Before a certificate can be changed, application must

be made to the Department. Since the type of certificate issued is dependent upon the standing with the University, the Department of Education requires evidence of such standing. A card is provided in the Registration materials on which to make application for a change in certification. At the conclusion of Summer Session this card will be forwarded to the Registrar's Branch, Department of Education, Victoria, certifying as to the student's standing, together with transcripts where necessary. No further application for higher certification is needed, either to the University or to the Department of Education.

NOTE:

In some cases, completion of course work being undertaken this Summer Session will satisfy requirements for a type of certificate which may be made permanent. Providing other requirements for permanent certification already have been satisfied (including two years of recent satisfactory teaching experience in British Columbia schools while holding a valid B.C. Certificate), the teacher makes application for higher certification via the University Summer Session Registration Card, and simultaneous but separate application for permanent certification in the normal fashion through his or her District Superintendent of Schools.

Careful adherence to these procedures will save the student, the University and the Department of Education needless duplication of correspondence.

THE INTEGRATED PROFESSIONAL PROGRAMME FOR HOME ECONOMICS GRADUATES

Selected university graduates holding degrees from recognized universities may be given the option of undertaking the One Year Programme for Graduates (Secondary) other than by the regular route of full-time attendance in a winter session. At the present time, this option is open only to qualifying applicants who hold a Bachelor of Home Economics or equivalent degree.

This Professional Programme for Graduates is comprised of course work in professional education supplemented with extensive classroom teaching experience. More specifically, it involves completion of 15 units of study in professional education, at least 12 of which would be done through attendance at two summer sessions. The remaining three units of education course work might be done through a third summer session, by extra-sessional or intersessional study, through on-site university course work at various locations, or by correspondence instruction, depending upon the availability of approved university courses and the suitability of particular arrangements to the trainee. Special arrangements also may be made in certain cases to complete equivalent studies through another university for transfer to the University of British Columbia but these must be approved in advance. Please note, though, that education course work may not be undertaken during the teaching component of the Programme, and particularly, not during the First Year of Teaching, without approval in advance of registration from both the Faculty of Education (Secondary) of the University and the Director of the Home Economics Branch, Department of Education.

In addition to the 15 units of course work in professional education, this Programme includes a supervised classroom teaching component, normally extending over a period of two school years, during which the trainee holds an appointment as a teacher on a Letter of Permission basis with a British Columbia school board. No units are granted for the teaching component of the Programme although this must also be satisfactorily consummated in order that the Programme be completed and for the trainee to qualify for teacher certification.

Those completing the 15-unit Integrated Professional Programme for Home Economics Graduates, including the supervised teaching component, will qualify for the Interim Professional Certificate issued by the Department of Education. A Permanent Professional Certificate will be available when the teacher has completed at least two years of satisfactory teaching service in British Columbia schools during which time she continuously holds a valid interim certificate.

It is recommended that the Integrated Professional Programme be undertaken as indicated on the following page.

I (a) **First Summer Session**		
Education 404	1½ units	
Education 440	1½ units	
Education 301	1½ units	
Education 302	1½ units	
		6 units
(b) **First Year of Teaching**		
Education 499 (Part I)		
		0 units
II (a) **Second Summer Session**		
6 units selected from Education 332, 380, 381, 383, 384, 387, 388, 389, 400, 401, 407, 408, 412, 413, 414, 416, 426, 427, 429, 430, 432, 434, 460, 461, 470, 472, 474, 478, 479, 481, 482, 483, 489, 493, 494, 495, 496.	6 units	
		6 units
(NOTE: One of Education 400, 430, or 470 must be completed either during this summer session or as noted in III below.)		
(b) **Second Year of Teaching**		
Education 499 (Part 2)		
		0 units
III A further 3 units selected from those courses listed in II (a) above, and consisting of Education 400, or Education 430, or Education 470, unless already completed.	3 units	
		3 units
Total Unit Value		15 units

CERTIFIED TEACHERS WISHING TO TEACH HOME ECONOMICS

The following Summer Session courses will be available in 1974 for teachers already certificated but now wishing to specialize as teachers of Home Economics:

Home Economics 204	1½ units
Home Economics 205	1½ units
Home Economics 207	3 units
Home Economics 466	3 units
Education 404 (Home Economics)	1½ units
Education 440 (Home Economics	1½ units

It is desirable that a number of courses in Home Economics be completed before undertaking Education 404-440. Only in especially considered cases may a teacher enrol for Education 404-440 concurrently with 3 units of Home Economics in her first summer. Consult the Director of the Secondary Division for such permission.

1. Teachers holding valid certification who wish to specialize in teaching Home Economics should start on a concentration or major in Home Economics — Bachelor of Education (Secondary Field) programme — by enrolling in six units of Home Economics courses listed above.

2. Teachers with valid certification who already have taken some of the Home Economics courses listed toward their concentration in Home Economics, but have not taken Education 404, should choose Education 404-440 plus three units of Home Economics content not taken previously.

3. Teachers who have completed Education 404-440 and all but one of the Home Economics courses listed, should consult the Records Office of the Faculty of Education as to which other course(s) to take on their Bachelor of Education programme.

It is preferable that students avoid enrolling in two Home Economics laboratory courses concurrently. Teachers starting on a three-year Summer Session programme may plan their selection of courses by consulting the Director of the School of Home Economics, during the spring, about the probable course offerings for next summer.

COURSES OFFERED AT THE UNIVERSITY OF VICTORIA IN VICTORIA, B.C.

Courses which will be offered at the University of Victoria during the 1974 Summer Session could be of interest to students who may wish to take courses there for credit toward a U.B.C. degree.

Subject to the approval of the Faculty and Department concerned transfer credit will be granted for successful completion of any of these courses.

A list of these courses is given on page 52.

A University of Victoria Summer Session Calendar may be obtained from The University of British Columbia Summer Session Office. Application should be made to the Admissions Office at the University of Victoria and at the same time the Registrar at U.B.C. should be informed of the planned registration. At the end of the Summer Session the Office of the Registrar at the University of Victoria should be asked to send a transcript of the record to the Registrar at U.B.C.

COURSES OF STUDY

To assist students in planning programmes each course title includes a code letter. This letter indicates the probability of future offerings.

Code

A. Proposed for this summer and next.

B. Proposed for alternate years.

C. Proposed for this summer — future offerings indefinite.

The University reserves the right to limit attendance, and to limit the registration in, or to cancel, any of the courses listed.

Text books are not shown in the calendar. Students may contact the University Book Store before commencement of the Summer Session in order to obtain the names of text books.

ANTHROPOLOGY

200. (3) Introduction to Social Organization. (A)

The structure and organization of society; the individual and society; kinship; the social frame of economy, religion, and art; social control and political institutions.
Pre-reading: Other Cultures, John Beattie.
Instructor: Mr. O'Connell.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Scarfe 205.

301. (3) Indians of British Columbia. (C)

An examination of the relations between Indian and non-Indian cultures, with special reference to current Indian situations and their anthropological background.
Limited to 80 students.
Pre-reading recommended: W. Duff, *The Indian History of British Columbia*, Vol. 1.
Instructor: Mr. Wyatt.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 104.

ART EDUCATION

100. (3) Introduction to the Plastic and Graphic Arts. (B)

Studio study and experiment in the perceptual and conceptual language of art as a basis for advanced work in specialized areas. Students must obtain at least second class standing in Art Education 100 to be considered for an Art concentration or major. (Formerly Fine Arts 300).
Limited to 20 students.
Instructor: Mr. Allison.
Time: Monday throught Friday — Lecture: 8:15 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Scarfe 1130.

101 (3) History of the Fine Arts. (B)

History of music, art and architecture, with emphasis upon the cultural development of mankind through the ages. Appreciation and understanding will be encouraged through illustration and discussion of major works.
Instructor: Mrs. Jensen.
Time: Monday through Friday — 1:30 p.m.-3:30 p.m. — July 2-August 16.
Place: Scarfe 100.

201. (3) Drawing. (B)

(Formerly Fine Arts 301)
Limited to 20 students.
Prerequisite: Art Education 100.
Instructor: Mr. Bond.
Time: Monday through Friday — Lecture 8:15 a.m.-10:10 a.m.; Laboratory — 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Scarfe 1105.

302. (3) Painting I. (B)

Limited to 20 students.
Prerequisite: Art Education 100.
Instructor: Mr. McAslan.
Time: Monday through Friday — Lecture: 8:15 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Scarfe 6.

401/402. (3) Composite Course. (A)

401. (3) Painting II. (A)

Prerequisites: Art Education 100, 201 and 302.

402.(3) Painting II. (A)

Prerequisites: Art Education 100, 201, 302 and 401.
Limited to 20 students for the combined courses.
Instructor: Mr. Yates.

Time: Monday through Friday — Lecture: 8:15 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Scarfe 1106.

405/415. (3) Composite Course. (B)

405. (3) Design II. (B)

Prerequisites: Art Education 100, 201, 305.

415. (3) Painting III. (B)

Prerequisites: Art Education 100, 201, 305, 405.
Limited to 20 students for the combined courses.
Instructors: Ms. Gouldstone, Mr. Lay.
Time: Monday through Friday — Lecture: 8:15 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Scarfe 1107.

ASIAN STUDIES

330. (3) History of Japanese Civilization. (C)

Japanese political, social and cultural history from the earliest times to 1868.
Pre-reading required: John Hall, *Japan, From Prehistory to Modern Times;* Ivan Morris, *The World of the Shining Prince.* Recommended: George Sansom, *History of Japan;* Peter Duus, *Feudalism in Japan;* Arthur Waley, *No Plays of Japan;* Bellah, *Tokugawa Religion;* Smith, *The Agrarian Origins of Modern Japan;* Craig, *Choshu in the Meiji Restoration* or Hibbett, *The Floating World in Japanese Fiction.*
Instructor: Mr. Davis.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Buchanan 1221.

405. (3) Communist Movements in Eastern Asia. (C)

A survey of the growth, organization, ideology and programmes of Communist Parties in East Asia since 1920, with special emphasis on the Chinese movement and the Chinese People's Republic.
Instructor: Mr. van der Kroef.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 3230.

BIOCHEMISTRY

410. (3) Principles of Biochemistry. (C)

A lecture course dealing with the structure, function and metabolic reactions of proteins, carbohydrates, nucleic acids, lipids, and steroids; enzymology and bioenergetics; biochemical transfer of genetic information and protein synthesis; regulatory mechanisms; control of cellular activity.
Prerequisite: Chemistry 203, 230 or equivalent. (Students are advised not to attempt this course unless their standing in the prerequisite is at least 60%).
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Instructional Resources Centre 5.

BIOLOGY

101. (3) Principles of Biology. (A)

An introductory course emphasizing principles of wide application to all living organisms, including cell structure and function, the mechanism of inheritance, evolution, and adaptation to environment. A comparative approach to the unity and diversity of organisms will be stressed. Students will not be permitted to take another laboratory science concurrently.
Limited to 45 students.
Pre-reading recommended: Keeton, W. T., *Biological Science* 2nd edition, 1972., W. W. Norton & Co., N.Y. This is also the text.
Instructor: Mr. Bromley.
Time: Monday through Friday — Lecture: 10:25 a.m.-12:35 p.m.; Laboratory: 1:35 p.m.-4:45 p.m.
Place: Lecture: Geological Sciences Extension 2449; Laboratory: Biological Sciences 2341.

200. (1½) Cell Biology I: Structural Basis. (A)

An introductory cytological study of the cell with emphasis placed on the structural and functional aspects of its subcellular components. Topics include methods of cytological and cytochemical investigation of cells and organelles, the structure and function of the nucleus and cytoplasm as interpreted from electron microscopy, cell physiology, and cell particles and bacterial, plant, and animal cells.
Prerequisite: Biology 101.
Pre-reading required: Lehninger, A. L., *Short Course in Biochemistry,* Worth Publishing Co., Inc.
Instructor: Ms. Jolliffe.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Biological Sciences 2361.

201. (1½) Cell Biology II: Chemical Basis. (A)

An introduction to structural and functional aspects of cell chemistry. Topics to be discussed include biological micro- and macromolecules and their relationships, protein structure and enzyme action, energy transfer, selected metabolic sequences with some references to control mechanisms, and the chemistry of information storage and utilization.
Prerequisite: Biology 101, 200.
Pre-reading required: Wolfe, S. L., *Biology of the Cell,* Wadsworth Publishing Co.
Instructor: Ms. Jolliffe.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Biological Sciences 2361.

300. (1½) Biometrics. (C)

Introduction to statistical procedures applied to biological research.
Limited to 30 students.
Prerequisites: Mathematics 100, 121.
Instructor: Mr. Larkin.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Biological Sciences 2321.

323. (3) General Ecology. (A)

A qualitative and quantitative study of the broad principles of ecosystem structure and function, including population and community levels of integration. This involves understanding biotic and abiotic factors, their interrelationships, and the influence of man and his activities on the ecosystem. Laboratory exercises and field trips will be used to enrich this understanding and will include the identification and analysis of local biota and ecosystems. (Credit will be allowed for only one of Biology 323 and Biology 321/322).
Prerequisite: Biology 101.
Instructor: Mr. Baynes.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Biological Sciences 2361.

335. (3) Principles of Genetics. (A)

An introduction to the basic principles of heredity, with emphasis on the physical and chemical structure and func-

tion of genetic material. The laboratory will emphasize the resolution of hereditary phenomena by genetic crosses and chromosome studies. (Credit will be allowed for only one of Biology 335 and 334).
Prerequisites: Biology 101/102 or equivalent.
Instructor: Mr. Millis.
Time: Monday through Friday — Lecture: 10:25 a.m.-12:35 p.m.; Laboratory: 1:35 p.m.-3:45 p.m.
Place: Lecture: Biological Sciences 2361; Laboratory: Biological Sciences 3434.

BOTANY

330. (3) Plant Physiology. (C)

Introduction to physiological processes in plants, including photosynthesis, transpiration, absorption, enzyme and hormone action, and growth. Chemistry 230 is recommended but not required.
Limited to 24 students.
Prerequisites: Biology 101/102.
Prereading required: P. H. Raven and H. Curtis, *Biology of Plants,* 1970 (Worth Publishers) pp. 1-284; or any other introductory botany text approved by the instructor (Dr. I. E. P. Taylor, telephone 228-2340).
Instructor: Mr. Taylor.
Time: Lecture: Monday through Friday — 8:00 a.m.-10:10 a.m.; Laboratory: Tuesday through Thursday — 1:35 p.m.-5:30 p.m.
Place: Lecture: Biological Sciences 3219; Laboratory: Biological Sciences Extension 3459.

CHEMISTRY

103. (3) General Chemistry. (A)

A study of the fundamental principles of chemistry including the molecular structures of both inorganic and organic compounds.
Prerequisites: Mathematics 12; Physics 11 or its equivalent is strongly recommended.
Prereading: Chemistry an Experimental Science or *Foundation of College Chemistry.*
Instructor: Mr. Herring.
Time: Lecture: Monday through Friday — 8:15 a.m.-10:10 a.m.; Laboratory: Monday, Tuesday, Wednesday, Thursday — 1:30 p.m.-4:30 p.m. — July 2-August 16.
Place: Lecture: Chemistry 124; Laboratory: Chemistry 270.

205. (3) Physical-Inorganic and Analytical Chemistry. (C)

Systematic inorganic chemistry, properties of matter from a molecular standpoint, equilibria in solution, physical chemistry useful in biological, medical, agricultural, and related sciences. This course is not intended for Honours or Majors in Chemistry.
Prerequisites: Chemistry 110, 120 (or 103 with standing of 65%). Credit will not be given for both Chemistry 205 and 208, 210 or 220.
Instructor: Mr. Mitchell.
Time: Lecture: Monday through Friday — 8:15 a.m.-10:10 a.m.; Laboratory: Tuesday, Wednesday, Thursday — 1:30 p.m.-5:30 p.m. — July 2-August 16.
Place: Lecture: Chemistry 160; Laboratory: Chemistry 470.

230. (3) Organic Chemistry. (A)

The fundamental principles of modern organic chemistry including a discussion of the main classes of organic compounds.
Prerequisites: Chemistry 103, 110 or 120.
Instructor: Mr. Money.
Time: Monday through Friday — 8:15 a.m.-10:10 a.m.; Monday, Tuesday, Thursday — 1:30 p.m.-4:30 p.m. — July 2-August 16.
Place: Lecture: Chemistry 300; Laboratory: Chemistry 424.

430. (3) Developments in Contemporary Chemistry. (C)

A review of modern advances in the areas of analytical, inorganic, organic and physical chemistry. While providing an overview of contemporary chemical science, special attention will be paid to modern methods of chemical analysis and developments in the interfacial areas of bio-organic, bio-inorganic and bio-physical chemistry. The laboratory exercises are designed to supplement the lecture material and to provide an opportunity to become acquainted with some of the newer chemical instrumental techniques.

This course is intended for teachers of secondary school chemistry and is available for credit only in the Faculty of Education.
Limited to 30 students.
Instructors: Mr. Clark, Mr. Cullen, Mr. Dunell, Mr. Thompson.
Time: Lecture: Monday through Friday — 8:15 a.m.-10:10 a.m.; Laboratory: Monday, Tuesday, Wednesday — 1:30 p.m.-4:30 p.m. —July 2-August 16.
Place: Lecture: Chemistry 126; Laboratory: to be arranged.

CHINESE

180. (6) Intensive Summer Course in Chinese. (B)

An introduction to the grammar and syntax of spoken Mandarin and modern Written Chinese, with heavy emphasis on the audio-lingual approach.
Limited to 30 students.
Instructor: Mr. Walls.
Time: Monday through Friday — 9:30 a.m.-3:20 p.m. — June 24-August 23.
Place: Buchanan 3224 — Lecture; Buchanan 3201 and 3205 — Drill and Language Lab "A".

200. (3) Intermediate Chinese. (C)

Further study of the grammar and syntax of modern Chinese.
Limited to 20 students.
Prerequisites: Chinese 100, 101 or equivalent.
Prereading required: *Elementary Chinese I and II* (Peking, 1971).
Instructor: Mr. Peng.
Time: Monday through Friday — 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Buchanan 3240.

300. (3) Advanced Modern Chinese. (C)

Modern Chinese (spoken and written) with emphasis on readings of modern literature and documents.
Limited to 20 students.
Prerequisites: Chinese 200 or equivalent.
Prereading recommended: *Chinese Reader I and II* (Peking 1972)
Instructor: Mrs. Walls.
Time: Monday through Friday — 10:25 a.m.-12:20 p.m. — July 2-August 16.
Place: Buchanan 3244.

CLASSICAL STUDIES

310. (3) Greek and Roman Literature. (C)

A study, through selected readings in translation, of the

range and variety of literary forms invented and developed by the Greeks and Romans from Homer to Apuleius.
Instructor: Mr. Morford.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 225.

COMMERCE AND BUSINESS ADMINISTRATION

151. (1½) Fundamentals of Accounting. (A)

The analysis and communication of financial events and an examination of the accounting postulates underlying the preparation and presentation of financial statements.

NOTE: Students registering for Commerce 151/190 are strongly advised not to attempt any additional course.

Prerequisite: Admission to the Faculty of Commerce, or permission to take the course.
Prereading required: T. J. Shoniker, *Accounting Fundamentals: A Programmed Instruction Test,* H. G. Steinman.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: To be arranged.

190. (1½) Fundamentals of Business. (A)

Introduction to the basic concepts and techniques of business functions and organization.
Prerequisite: Admission to the Faculty of Commerce, or permission to take the course.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: To be arranged.

317. (1½) Introduction to Data Processing. (A) (For Graduate Students Only).

The structure and use of digital computers. Introduction to programming. Typical applications to numerical and non-numerical problems. The emphasis will be on giving the student a knowledge of the potential and limitations of computers, and on providing the necessary background to communicate intelligently with computer specialists.
Instructor: Mr. MacDonald.
Time: Monday through Friday — Lecture: 10:25 a.m.-12:35 p.m.; Laboratory: 1:35 p.m.-2:40 p.m. — July 22-August 9.
Place: Henry Angus 4

331. (3) Commercial Law. (B)

Introduction to the law of contracts, with particular reference to contracts for the sale of goods (Sale of Goods Act) and related law of personal property; negotiable instruments (Bills of Exchange Act); elementary principles of agency; partnership (Partnership Act) and company law (B.C. Companies Act); examination of selected legal and commercial documents.
Instructor: To be announced.
Time: Monday through Friday —
Place: To be arranged.

352. (3) Managerial Accounting. (A)

(For graduate students only).
The use of figure data in making decisions and in appraising actual operating results of business enterprises. The course will include a study of fundamental accounting postulates as applied in financial accounting and budgeting.
Prerequisite: Acceptance for a Graduate Programme in the Faculty of Commerce.
Instructor: To be arranged.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: To be arranged.

391. (1½) Introduction to Computers in Business Administration. (A)

An introductory course in the uses of computers in business administration. Areas covered will include the basic concepts of computer and management information systems, an introduction to programming languages, and elementary applications of computers to business problems.
Instructor: Mr. MacDonald.
Time: Monday through Friday — Lecture: 10:25 a.m.-12:35 p.m.; Laboratory: 1:35 p.m.-2:40 p.m. — July 22-August 9.
Place: To be arranged.

591. (1½) Seminar in Business Policy. (A)

592. (1½) Seminar in Business Administration. (A)

The course will attempt to provide a comprehensive policy analysis framework applicable to both public and private sector decision making and strategy formulation. Cases will be used in conjunction with a wide range of readings. Commerce 591 and 592 will be taught as a single 3-unit course.
Limited to 25 students per section. Priorities — 1) students who will have completed all other course work by April 30, 1974; 2) students who will be able to complete all other course work by December 31, 1974.
Prerequisite: Completion of a substantial part of the M.B.A. Programme.
Instructors: To be announced.
Time: Monday through Friday — 9:00 a.m.-11:00 a.m. — May 3-June 21.
Place: To be arranged.

COMMUNITY and REGIONAL PLANNING

500. (3) Community Planning Workshop I

Instructor: To be announced.
Time: To be arranged.

COMPARATIVE LITERATURE

505. (3) The Confessions of St. Augustine and the Poetic of Courtly Love. (c)

Further information regarding reading lists will be available through the Comparative Literature office.
Instructor: Mr. Freccero.
Time: To be arranged.

COMPUTER SCIENCE

210. (3) Algorithms and Programming. (A)

An introduction to the structure and use of digital computers. Binary number systems, machine organization, fundamentals of assembly language programming, complete description of an algebraic programming language. Applications to problems in elementary number theory, sorting, statistics, numerical methods, and simulation.
Prerequisite: Former Mathematics 120, or New Mathematics 100 and 121, or equivalent.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.; optional laboratory (tutorial) sessions (three hours a week) will be arranged to suit timetables of students.
Place: Civil Engineering 310.

CREATIVE WRITING

301. (3) Writing Techniques. (A)

Designed for beginning writers, as well as teachers of the new Writing 11 who have had no workshop experience. All genres, the problem of reading to write and approaches to writing will be dealt with. Instruction is carried on in workshops and through individual instruction.
Limited to 20 students.
Prerequisite: Permission of the instructor. Applicants should send in manuscripts for evaluation. Teachers need only produce evidence of their certification.
Instructor: Mr. McWhirter.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Brock Hall 206.

ECONOMICS

100. (3) Principles of Economics. (A)

The institutions and processes involved in the production and distribution of wealth: the functioning of the market, monetary and fiscal policy, and international trade theory. The course also provides an introduction to Canadian economic institutions and policy (e.g., labor unions, marketing boards, the Bank of Canada, anti-combines policy, tariffs, the Government's budget taxation).
Limited to 60 students.
Instructor: Ms. Ziemba
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 217.

301. (1½) Intermediate Microeconomic Analysis. (A)

The theory of consumer behaviour, production, the equilibrium of the firm, market structure and forms of competition.
Limited to 40 students.
Prerequisite: Economics 100.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Buchanan 219.

302. (1½) Intermediate Macroeconomic Analysis. (A)

Income and employment theory, the national accounts, economic fluctuations and economic growth.
Limited to 40 students.
Prerequisite: Economics 100.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 23-August 9.
Place: Buchanan 219.

345. (3) Money and Banking (C)

The role of money and financial institutions in a modern economy; structure of the financial system; credit expansion and the process of monetary control; international financial institutions; foreign exchange rates, international capital flows; monetary theory and policy.
Limited to 35 students.
Prerequisite: Economics 100.
Instructor: To be announced.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 219.

594. (3) Research Seminar. (C)

Prerequisites: Candidate for M.A. degree in Economics (non-thesis), or permission of the instructor.
Instructor: Mr. Uhler.
Time: May 21-August 1. Time to be arranged.

EDUCATION

Notes: Credit will not be granted for Education courses unless students are registered in the Faculty of Education, hold a Teacher's Certificate or have written permission from the Dean.

Courses in Education may not be taken for credit towards the B.A. or B.Sc. degrees. For information concerning the requirement of the majors see the Faculty of Education section of the winter calendar and for the prerequisites for graduate work see the Faculty of Graduate Studies section.

301. (1½) Introduction to Education Psychology. (A)

Limited to 30 students.
Pre-reading recommended: *Preparing Instructional Objectives & Developing Vocational Instruction,* Mager, R. F.
Instructor: Mr. Blank.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 206.

302. (1½) Introduction to Education Evaluation. (A)

Limited to 30 students.
Pre-reading recommended: *Preparing Instructional Objectives & Developing Vocational Instruction,* Mager, R. F.
Instructor: Mr. Blank.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 206.

307. (3) Music Education. (A)

Limited to 25 students.
Prerequisites: Education 324 or Normal School Diploma.
Pre-reading recommended: Paynter & Aston, *Sound and Silence.*
Instructor: Mr. Goldberg.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Scarfe 1317.

326. Physical Education. (C)

Theory and practice of dance, games and gymnastics for the elementary school. This course may not be taken as part of a major in physical education.
Limited to 30 students per section.
Prerequisite: Education 325.
Prereading required: *Education and Physical Education,* J. Myrle James, London, G. Bell & Sons Ltd., 1969.
Instructors: Mr. Pennington, Miss Overall.
Time: Section 951: Monday through Friday — 8:00 a.m.-10:10 a.m.; Section 952: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Section 951: Physical Education 203B; Section 952: Physical Education 203B.

331. (3) Human Development. (A)

Consideration of the interaction of genetic and environmental factors as they influence personality, acquisition of language, motor, social and cognitive learning with implications for the organization, administration, and teaching in schools for young children.
Limited to 40 students per section.
Prereading recommended: Reading in characteristics of young children.
Instructors: Ms. Law, Ms. Paton, Mrs. Rizer.
Time: Monday through Friday — Section 951: 10:25 a.m.-12:35 p.m.; Section 952: 1:35 p.m.-3:45 p.m.
Place: Scarfe 1223.

332. (3) Psychology of Adolescence. (A)

The physiological, psychological, social and educational aspects of adolescence. Review of research.

BUILDING INDEX

Numbers in left column identify buildings on map. Letter-number combinations following building names refer to grid co-ordinates.

Administration Buildings:
1 General Services, E-7/F-7
2 Main Mall North, D-4
3 Agricultural Engineering Annex, H-4
4 Angus Building (Commerce/Arts), E-4
5 Armory, C-4
6 Arts Faculty Offices, B-7
7 Arts 1 Building, F-4
Athletic facilities: see list below
8 Auditorium, D-4
9 Auditorium Annex Offices, D-4
10 Barn Snack Bar, G-4
11 Beef Unit, Q-7
12 Bicycle Shed, F-3
13 Bicycle Shed, F-6
14 Bio-Sciences Building, F-5
15 Bookstore, E-4
Botanical Gardens:
16 Future Greenhouse Site, R-5,6/S-5,6
17 Main Garden Development Area, L-3,4/M-3,4/N-3,4,5
18 Marine Drive Garden Develop. Area, M-2/N-2,3/O-2,3
19 Natural Stand Forest, O-4,5,6
20 Nitobe Memorial Garden, C-2,3/D-2,3
21 Office, F-3
22 Rhododendron Nursery, R-6,7
23 Rose Garden, B-4,5/C-4,5
24 Totem Park, H-2,3
B.C. Fish and Wildlife Branch:
25 Laboratory, O-9
26 Storage, O-8
27 B.C. Hydro Substation, H-7
28 B.C. Research Building, Q-8
29 Brock Hall, C-6/D-6
30 Brock Hall Annex, C-6
31 Buchanan Building (Arts), C-5
32 Buchanan Building Addition, C-5
33 Bull Barn, H-5/J-5
34 Bus Terminus, F-5
35 Bus Terminus, B-5
36 Bus Terminus, E-3
37 Cattle Shed, J-5
38 Cattle Shed, J-5
39 Cecil Green Park (Alumni Association), A-5
40 Center for Continuing Education, B-7,8
41 Chemical Engineering Building, G-5
42 Chemistry Building, E-5
Child Study Centre (Faculty of Education):
43 Child Art Research and Demonstration Unit, K-10
44 Kindercare, K-10
45 Offices, K-10
46 Pre-School for Retarded Children, K-10
47 Research Unit for Exceptional Children, K-10
48 Civil Engineering Building, D/E-4
49 Coach House, Cecil Green Park (Campus Model), A-4
50 Dairy Barn, H-5
51 Deer Barn, J-4/K-4
52 Dog Barn, J-4
53 East Mall Classroom Block, C-6
54 Education Building, F-4
55 Education Offices, F-4
56 Empire Pool, E-6
57 Faculty Club, B-4/C-4
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59 Headerhouse, G-3
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61 Fisheries Research Board Laboratory, F-2/G-2
62 International North Pacific Fisheries Commission, F-2
63 Canadian Wildlife Service, H-3,4
64 Forest Products Laboratory, F-2,3
65 Firehall, E-4
66 Forward Building (Metallurgy), G-4
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68 Alpha Delta Phi, H-8
69 Beta Theta Pi, H-8
70 Delta Kappa Epsilon, G-8
71 Delta Upsilon, H-8
72 Kappa Sigma, H-8
73 Phi Delta Theta, G-8
74 Phi Gamma Delta, G-8
75 Phi Kappa Pi, H-8
76 Phi Kappa Sigma, H-8
77 Psi Upsilon, H-8
78 Sigma Chi, H-9
79 Zeta Psi, G-8
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81 School of Social Work, A-5/B-5
82 Social Work Research Centre, B-5
83 Gatehouse, B-5
84 Greenhouse (private), B-5
85 Geology and Geography Building, D-4
86 Geological Sciences Building, F-4/G-4
87 Geophysics Building, G-4
88 Graduate Student Centre (Thea Koerner House), B-4/C-4
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90 Basic Sciences Block A, F-6,7
91 Basic Sciences Block B, F-7
92 Basic Sciences Block C, F-6
93 Cunningham Building (Pharmaceutical Sciences), F-6
94 Family Practice Unit, J-8
95 Hospital (Proposed Site), G/H-6,7
96 Kinsmen Laboratory for Neurological Research, G-7
97 Macdonald Building (Dentistry), F-7/G-7
98 Psychiatric Unit, G-7/H-7
99 School of Rehabilitation Medicine, F-5
100 Task Force Building, H-6
101 Wesbrook Building (Nursing), F-6
102 Woodward Biomedical Library, F-6/G-6
103 Woodward Instructional Resources Centre, F-6,7/G-6,7
104 Hebb Building (Physics), E-5
105 Hennings Building (Physics), E-5
106 Hillel House, D-6
107 Home Economics Building, E-5
108 Home Management House, B-3
109 Incinerator, V-7
110 International House, C-3
111 Instructional Media Centre, F-5
112 Japanese Teahouse, D-3
113 Ladner Clock Tower, D-5
114 Lasserre Building (Architecture/Planning/Fine Arts), C-4
115 Law Faculty Buildings, C-6
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125 Mechanical Engineering Building, E-4
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143 Nursery Greenhouse No.1, S-6
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159 Commerce Offices
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163 Poultry Genetics and Breeding Unit, L-5
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THE UNIVERSITY OF BRITISH COLUMBIA CAMPUS

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118 Agricultural Engineering and Mechanics, Department of
118 Agricultural Sciences, Faculty of
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35 Alumni Chronicle
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2 Ancillary Services
20c Animal Resource Ecology, Institute of
118 Animal Science, Department of
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22B Bank of Montreal
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14 Biology, Department of
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15 Bookstore Coffee Shop
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14 Botany, Department of
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80 Box Office, Frederic Wood Theatre
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29B Industrial Relations, Institute of
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97 Oral Medicine, Department of
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29B Philosophy, Department of
29B Physical Education and Recreation, School of
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27A Plasmid Office, Students
118 Plant Science, Division of
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1 Post Office
116 Poultry Science, Department of
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4 Psychology, Department of
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2 Purchasing Department
1 Registrar's Office
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233 St. Andrew's
234 St. Mark's
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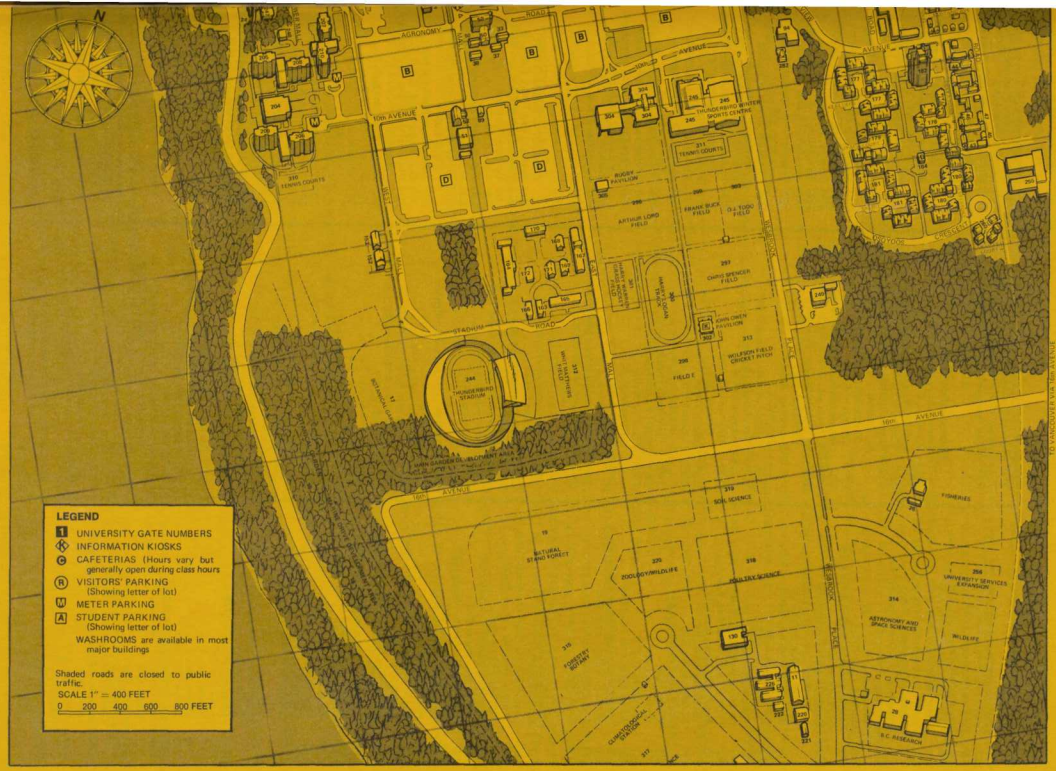
249 UBC Patrol
2 UBC Provo
22B Ubyssey, The
25A Union Office, Physical Plant and University Employees
101 University Health Services
49 University Resource Council
8 University of B.C. Press
45 Vancouver Neurological Centre
29B Water Resources Research Centre
102 Woodward Biomedical Library
14 Zoology, Department of


N
AGRONOMY ROAD
10th AVENUE
TENNIS COURTS
RUGBY PAVILION
ARTHUR LORD FIELD
FRANK BUCK FIELD
D.J. TODD FIELD
CHRIS SPENCER FIELD
WOLFSON FIELD CRICKET PITCH
FIELD E
STADIUM ROAD
THUNDERBIRD STADIUM
SOIL SCIENCE
AGRICULTURAL STUDIES FOREST
ZOOLOGY/WILDLIFE
FOOD SCIENCE
FISHERIES
UNIVERSITY SERVICES EXPANSION
ASTRONOMY AND SPACE SCIENCES
WILDLIFE
B.C. RESEARCH
CLIMATOLOGICAL STATION
TOWNSHIP OF LANGLEY
LEGEND
UNIVERSITY GATE NUMBERS
INFORMATION KIOSKS
CAFETERIAS (Hours vary but generally open during class hours
VISITORS' PARKING (Showing letter of lot)
METER PARKING
STUDENT PARKING (Showing letter of lot)
WASHROOMS are available in most major buildings
Shaded roads are closed to public traffic.
SCALE 1" = 400 FEET
0 200 400 600 800 FEET

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167 Poultry Nutrition Unit, L-5
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PLEASE NOTE: not all th buildings listed in this inde are shown on the truncate centrefold campus map.

Limited to 30 students.
Instructor: Mr. Walters.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe 206.

333. (3) Curriculum and Instruction in Education for Young Children. (A)

(Nursery schools and Kindergartens). Planning and developing an educational programme for young children, consideration being given to learning experiences, resources, materials, teaching and guidance procedures. Laboratory experiences in the Child Study Centre and observation in field settings are included.
Limited to 30 students.
Prereading recommended: *Curriculum Guide for Kindergarten,* B.C. Department of Education, 1973. Books and pamphlets chosen from its bibliography.
Instructor: Mrs. Reid.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m.
Students should not register for any other course in the morning.
Place: Child Study Centre.

334. (3) The Role of the Teacher in Home and Community. (B)

A study of the philosophy, history and problems of the parent-teacher partnership; development of effective cooperation through individual parent-teacher conferences and parent-group discussions; and examination of community services and inter-professional relationships on behalf of children. Field experiences.
Limited to 40 students.
Prereading recommended: *Helping Relationships,* A. Coombs et al, Allys & Bacon, 1971.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Scarfe 1227.

370. (1½) Mathematics for Elementary School Teachers. (A)

A course to provide teachers with the mathematical background necessary for teaching present-day mathematics in the elementary school.
Limited to 40 students.
Instructor: Mr. Taylor.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 1214.

371. (1½) Methods of Teaching Elementary School Mathematics. (A)

An introductory course for those with little or no experience of teaching in the elementary school.
Limited to 30 students, who have not earlier received credit for Education 371 or Mathematics 203A.
Prerequisite: Education 370 or equivalent.
Instructor: Mr. Owens.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Scarfe 1214.

380. (3) Outdoor Environmental Studies. (A)

Direct learning experiences concerning man's physical environment, his adaptation to it, and his inevitable changing of it. The sites chosen will determine the details of the curriculum. Instructional techniques for working with children in any outdoor site away from the classroom will be developed.

Field trips will be an integral part of the course. During the first two weeks at least two all-day field trips will be arranged at the convenience of the class. The week beginning Monday, July 22 and ending Friday, July 26, will be spent in residence at the UBC Research Forest, Loon Lake, B.C.
Limited to 24 students per section.
Instructors: Mr. Clark, Mr. Rutherford.
Time: Monday through Friday — 9:10 a.m.-11:25 a.m. — July 2-July 26 except when otherwise specified.
Place: Section 951: Scarfe 1007; Section 952: Scarfe 1011.
Fee: $150.50 includes cost of room and board at UBC Research Forest. Transportation extra.

381. (1½) The Library in the School. (A)

The role, philosophy, and administration of libraries in elementary and secondary schools; an examination of school library development and staffing patterns.
Limited to 35 students per section.
Instructors: Mrs. Coggin, Mr. Rahrick.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19 sections 951 and 952.
Place: Section 951: Scarfe 304; Section 952: Scarfe 205.

382. (1½) Services and Programs in Elementary School Libraries. (A)

Elements of modern reading, listening and viewing guidance programmes; the library media specialists' role in relationship to students and teachers; school library design, furnishings, and equipment.
Limited to 35 students.
Prerequisite: Education 381 or consent of instructor.
Instructor: Mr. Rahrick.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 304.

383. (1½) Selection of Materials. (A)

The selection and acquisition of print and non-print materials for school libraries. Emphasis is on the principles, philosophy, and policies on which these are based and on the roles played by librarians and teachers in the selection process.
Limited to 35 students.
Prereading recommended: Reading list will be supplied by instructor.
Instructor: Mrs. McLean.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 205.

384. (1½) Selection of Materials (Advanced). (A)

Selection criteria applied to specific types of materials; special problems in selection; censorship; collection building; publishing; and copyright.
Limited to 35 students.
Pre-reading recommended: Reading list will be supplied by instructor.
Prerequisites: Education 383 or consent of instructor.
Instructor: Mrs. McLean.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Scarfe 205.

385. (1½) Introduction to Cataloging and Organization of Library Materials. (A)

The principles, philosophy, and policies of organizing print and non-print materials for school libraries; emphasis is on the use of commercial or centralized processing and cataloging.
Limited to 25 students per section.

NOTE: The following books are used in the course and students should bring copies if possible: *Dewey Decimal Classification* (abridged); *Sears List of Subject Headings; Nonbook Materials, the Organization of Integrated Collections; ALA Rules for Filing Catalog Cards* (abridged); *Anglo American Cataloging Rules.*

Instructor: Mr. Rainey, Miss Wagner.
Time: Monday through Friday — Section 951: July 2-July 19; 8:00 a.m.-10:10 a.m. Section 952: July 22-August 9; 1:35 p.m.-3:45 p.m.
Place: Section 951: Scarfe 1328; Section 952: Scarfe 210.

386. (1½) Classification and Cataloging. (A)

Principles and practices of bibliographical description and subject analysis of print and non-print materials with emphasis on original cataloging and classification. One or two hours of assigned laboratory work.
Limited to 25 students.
Prerequisites: Education 385 or consent of instructor.

NOTE: The following books are used in the course and students should bring copies if possible: *Dewey Decimal Classification* (abridged); *Sears List of Subject Headings; Nonbook Materials, the Organization of Integrated Collections; Anglo American Cataloging Rules.*

Instructor: Mr. Rainey.

Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Scarfe 1328.

387. (1½) The School Library; Sources of Information I. (A)

Basic principles of reference work and resources used in locating information, with emphasis on the materials used in school collections.
Limited to 35 students per section.
Instructor: Mr. Miles.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m. both sections: Section 951: July 2-July 19; Section 952: July 22-August 9.
Place: Section 951: Scarfe 304; Section 952: Scarfe 203.

388. (1½) The School Library; Sources of Information II. (A)

Study of reference tools in specific fields. Search strategies; identifying items and compiling bibliographies. Recent developments in access to information and their implications for the process of learning.
Limited to 35 students.
Prerequisite: Education 387 or consent of instructor.
Instructor: Mr. Miles.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m. — July 22-August 9.
Place: Scarfe 304.

389. (1½) The Teacher and the School Library. (C)

The role of the teacher in utilizing print and non-print resources and school library media centres in the teaching-learning process; the relationship between the teacher and the librarian. Not open to students taking a major or concentration in Librarianship.
Instructor: Miss Wagner.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m. — July 2-July 19.
Place: Scarfe 203.

400. (3) Philosophy of Education. (A)

An introductory course in which consideration is given to the philosophical foundations of education and to the practical bearings of theory upon curriculum content and classroom practice in our schools.
Pre-reading recommended: Gribble, *Introduction to Philosophy of Education.*
Instructors: Mr. Hare, Mr. Krolikowski.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.
Place: Scarfe 1227.

403. (1½) Mental Retardation. (A)

Characteristics of mentally retarded children: classification; overview of medical, legal, educational, and social provisions for the mentally retarded.
Limited to 30 students.
Prerequisite: Education 407.
Pre-reading required: Robert M. Smith, *An Introduction to Mental Retardation,* McGraw-Hill, 1971.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 1024.

404. (1½-3) Curriculum and Instruction in Specific Secondary School Subjects.

Students are required to take one Education 404 course corresponding to their major (1½-3 units) or two Education 404 courses corresponding to their academic concentrations (1½-3 + 1½-3).

NOTE: Be sure to indicate the individual subject on registration material.

(3) Art. (A)

Limited to 25 students for Education 404 and Education 425.
Instructor: Mr. Foster.
Time: Monday through Friday — 8:00 a.m.-12:35 p.m.
Place: Scarfe 1128.

(3) English. (A)

Prerequisite: Three senior courses in English.
Pre-reading required: Curriculum guides and high school texts in English. Write to the Instructor for detailed information.
Instructor: Mr. Butler.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Ponderosa Annex E 121.

(1½) Geography and Social Studies.(A)

Limited to 30 students.
Prerequisite: Approval of Instructor.
Instructor: Mr. Bentley.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 1325.

(1½) Guidance. (C)

Pre-reading required: Rogers, Carl, *On Becoming a Person,* Riverside Press; Dreikurs, R., *Psychology in the Classroom*
Instructors: Mr. Duncan, Mr. Melton.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 1008.

(1½) History and Social Studies. (A)

Limited to 30 students.
Prerequisite: Approval of Instructor.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: 1325.

(1½) Home Economics. (A)

Limited to 35 students.
Instructor: Ms. Hayibor.
Time: Tuesday and Thursday — 1:30 p.m.-4.50 p.m.
Place: Home Economics 100.

(1½) Methods of Teaching Secondary School Mathematics. (C)

Limited to 20 students.
Prerequisite: B.C. Teaching Certificate or approval of the instructor.

Instructors: Mr. Rousseau, Mr. Szetela.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1214.

407. (3) Introduction to the Study of Exceptional Children. (A)

A course covering all groups of exceptional children in diagnosis, classification, treatment.
Pre-reading required: S. A. Kirk, *Educating Exceptional Children;* recommended: L. Dunn, *Exceptional Children in Schools.*
Instructors: To be announced.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m. — 12:35 p.m.
Place: Scarfe 207.

412. (3) Introduction to Adult Education. (A)

Survey of present programmes for adult education including study of methods, institutions, and conditions under which it has developed in modern society.
Limited to 50 students. Administrators of Adult Programmes, Teachers and Instructors, Personnel Supervisors and Advanced Students.
Pre-reading required: Jennifer Rogers, *Adults Learning,* Penguin. 1971.
Instructor: Mr. Long.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Adult Education Research Centre.

413. (1½) Emerging Trends in Secondary Education. (C)

Approaches to Secondary Education as a field of inquiry; levels and agents of educational policy-making; patterns of secondary school organization; organization of the curriculum; the materials of inquiry; technologies; the professionalization of teachers; the dynamics of change.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 208.

414. (3) Communication Media and Technology in Learning. (A)

Overview of the theory, utilization and production of learning resources with emphasis on practical application for the classroom teacher. A background for advanced studies in communications media and technology.
Limited to 25 students per section.
Instructor: Mr. Morrow.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.
Place: Scarfe 1311 both sections.

416. (3) Speech Education. (A)

Development of good speech. Relationship of good speaking to good thinking. Proper use of the vocal organs. Problems of voice fatigue. Practical application and practice.
Instructor: Miss Elliott.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1226.

424. (3) Language Development in the Exceptional Child. (C)

The development of program designs for the stimulation of language development in children with delayed and deviant speech. Theories of language acquisition, pre-linguistic experience, etc., will be studied.
Limited to 20 students.
Pre-reading recommended: any material on child language acquisition.
Instructor: Mrs. Rogow.
Time: Monday through Friday — 8:00 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1022.

425. (3) Curriculum and Instruction in Art II. (C)
(formerly Education 305).

Limited to 25 students for Education 404 (Art) and Education 425.
Prerequisite: Education 323.
Instructor: Mr. Foster.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m.
Place: Scarfe 1128.

427. (1½) Guidance: Planning and Decision-Making. (B)

The work of the beginning counsellor and guidance worker in assisting students with educational, vocational and personal planning and decision-making. The major emphasis will be placed on recognizing the functions of an effective guidance programme within the school and the role of the counsellor in the implementation of such a programme.
Pre-session work: a paper presenting a personal position by each candidate within the course answering the following question: *What is an effective guidance programme?*

This is to be no longer than a ten page typewritten assignment following acceptable University of British Columbia standards for term and research papers. To be handed in on the first day of lectures.

Instructor: Mr. Turgeon.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 204.

428. (1½) Mental Health in the School. (C)

Appraisal of current concepts of mental health. Mental health hazards; prevention and treatment. Roles of the teacher and other school personnel.
Instructor: Mrs. Juhasz.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 208.

429. (1½) Special Education for the Educable Retarded. (C)

An examination of techniques for identifying and educating mildly retarded (E.M.R.) children.
Limited to 30 students.
Prerequisite: Education 403.
Instructor: Mr. Sandling.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1007.

430. (3) History of Education. (A)

Development of educational theory and practice from the time of ancient Greece to the present day.
Pre-reading recommended: E. B. Castle, *The Teacher.*
Instructors: Mr. Bruneau, Mr. Johnson, Mr. Troper.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.; Section 953: 1:35 p.m.-3:45 p.m.
Place: Section 951: Scarfe 1021; Section 952: Pone 123; Section 953: Scarfe 202.

431. (1½) Primary Learning Disabilities. (A)

The identification and assessment of basic motor, perceptual, and language disabilities in children.
Prerequisite: Education 407.
Pre-reading required: McCarthy & McCarthy, *Learning Disabilities.*

Instructor: Ms. Koopman.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Scarfe 209.

431. (3) Primary Learning Disabilities. (A)

The identification and assessment of basic motor, perceptual, and language disabilities in children.
Prerequistite: Education 407.
Pre-reading required: McCarthy & McCarthy, *Learning Disabilities.*
Instructor: Ms. Koopman.
Time: Monday through Friday — Section 952: Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 209.

436/437. (3) Students are expected to take both courses.

436. (1½) Behaviour Disorders in Children. (A)

An introductory course dealing with identification, classification, and aetiology of emotional disturbance and social maladjustment in children.
Limited to 20 students.
Prerequisite: Education 407.
Pre-reading recommended: Becker, Engelmann, and Thomas, *Teaching a Course in Applied Psychology.*
Instructor: Mrs. Csapo.
Time: Monday through Friday —8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: To be arranged.

AND

437. (1½) Teaching Maladjusted Children. (A)

An examination of techniques for educating maladjusted children in public school, residential schools, and day hospital programmes.
Limited to 20 students.
Prerequisite: Education 436.
Pre-reading recommended: Wallace & Kauffman, *Teaching Children With Learning Problems.*
Instructor: Mrs. Csapo.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: To be arranged.

439. (1½) Instructional Television: Principles and Application of Non-Studio Techniques. (C)

This course will stress the imaginative use of television in the school setting as a form of communication for students and teachers. The emphasis will be on production techniques using flexible and portable equipment rather than fixed studio equipment.
Limited to 15 students.
Instructor: Mr. Gosbee.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1325.

440. (1½ or 3 units) at option of Department. Special Study in a Subject-Matter Field.

Topics in a subject field relevant to teaching and not covered in previous undergraduate work. Director's approval required. (Open only to students admitted with an academic deficiency).

(1½-3) Home Economics. (A)

Instructor: Ms. Hayibor.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Home Economics 106.

460. (3) An Introduction to Educational Administration. (A)

Historical, social and conceptual views of administration, administrative theory, purposes, functions and tasks.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Ponderosa Annex E 127.

465. (1½) Technical Problems in Educational Psychology. (C)

A problem-oriented course directed towards inter-personal relations and human sexuality with emphasis upon development during school years.
Instructor: Mrs. Juhasz.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 208.

465. (3) Technical Problems in Science Education. (C)

A technical course in elementary science designed to update teachers on the use of kits and other materials incorporated into the new science curriculum. Some laboratory work involving science kits and use of these kits with children in science classes will be an integral part of this course. The study will culminate in a written paper.
Limited to 24 students.
Instructor: Mr. Gornall and members of the Department of Science Education.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1207.

470. (3) Educational Sociology. (A)

Social organization, culture and communities. The school as a social institution. Social stratification and subcultures. Socialization, educability, motivation. Educational opportunity. Roles and status of the teacher. Professional and social policy implications.
Instructors: Ms. Cappelluzzo, Mr. Faulkner, Mr. Jones, Ms. Stulac.
Time: Monday through Friday — Sections 951, 952: 8:00 a.m.-10:10 a.m.; Sections 953, 954: 10:25 a.m.-12:35 p.m.
Place: Section 951: Scarfe 202; Section 952: Scarfe 204; Section 953: Scarfe 1108; Section 954: Scarfe 100.

472. (1½) Guiding Reading Growth in Junior and Senior Secondary Schools. (A)

The reading process and the teaching of reading including survey and analysis of concepts, principles, practices, materials and research relevant to guiding reading growth in various curriculum areas.
Limited to 30 students.
Instructor: Mr. McMillen
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1008.

473. (3) Developmental Reading in the Elementary Grades. (A)

The reading process and the teaching of the basic reading skills from beginning stages through the elementary school.
Limited to 30 students per section.
Instructors: Mr. Rodgers, Mr. Slade, Ms. Waugh, Mr. Westermark.
Time: Monday through Friday — Section 951: 8:00 a.m. — 10:10 a.m.; Section 952: 8:00 a.m.-12:35 (July 2-20); Section 953: 10:25 a.m.-12:35 p.m.; Section 954 1:35 p.m.-3:45 p.m.
Place: Section 951: Scarfe 1005; Section 952: Scarfe 1006; Section 953: Scarfe 1005; Section 954: Scarfe 1005.

474. (1½) Developing Reading Programmes for Junior and Senior Secondary Schools. (A)

Research and current practices in the development of comprehensive reading programmes including philosophy, objectives, organization, evaluation, curricula, instruction and teaching materials.
Limited to 30 students.
Prerequisite: Education 472.
Instructor: Mr. McMillen.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-Aug 9.
Place: Scarfe 1008.

476. (3) Remedial Reading. (A)

Individual diagnosis and treatment of severe reading difficulties. Practicum.
Limited to 20 students.
Prerequisite: Education 472 or 473 and at least one school year of teaching experience.
Instructor: Mrs. Hargens.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m.
Place: University Hill Elementary School.

NOTE: Students taking this course are advised not to take any other Summer Session course.

479. (3) Cross-Cultural Education (Native Indians). (A)

Instructional techniques for adapting teaching to the needs of Indian students; methods of enriching the curriculum by including the cultural background of all students; the course will include some examination of the anthropological sociological and historical background of native Indians with an emphasis on contemporary situations as these relate to teaching. Faculty members of various University departments will present the course.
Limited to 80 students.
Prerequisite: Permission of the instructor. Please write to Dr. A. J. More, Faculty of Education, University of British Columbia, giving information on your background knowledge and participation in education of Indian children.
Instructor: Mr. More.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Scarfe 1325.

481. (1½) Introduction to Research in Education. (A)

The nature of scientific study, and essentials of survey and experimental research designs. Designed for students proceeding to graduate work.
Limited to 25 students who have been admitted to a Graduate Programme or prospective students to a Graduate Programme,
Pre-reading recommended: Van Dalen, D. B., *Understanding Educational Research,* 3rd edition, McGraw-Hill, 1973., Chapters 1, 2, 3, 12.
Instructor: Mr. McKie.
Time: Monday through Friday — 11:35 a.m.-12:40 p.m.
Place: Scarfe 1211.

482. (1½) Introduction to Statistics for Research in Education. (A)

Basic concepts and principles of descriptive and inferential statistics. Designed for students proceeding to graduate work involving quantitative methodology.
Limited to 25 students.
Pre-reading required: Glass, G. V. & Stanley, J. C., *Statistical Methods in Education and Psychology,* Englewood Cliffs, N. J., Prentice-Hall, 1970, Chapters 1-4.
Instructor: Mr. Hakstian.
Time: Monday through Friday — 8:00 a.m.-9:05 a.m.
Place: Scarfe 201.

483. (1½) Statistics in Education. (A)

Topical survey of various statistical methods used in research in Education. Designed to prepare students to read literature on empirical research. May not be used as prerequisite to Education 592. (Some non-parametric topics will be treated as well).
Limited to 25 students.
Pre-reading required: Popham, W. J., *Educational Statistics in Use and Interpretation,* N. Y., Harper & Row, 1967.
Instructor: Mr. Hakstian.
Time: Monday through Friday — 9:10 a.m.-10:15 a.m.
Place: Scarfe 201.

487. (3) Recent Developments in Elementary Education. (B)

An examination of recent developments in elementary education with emphasis on the study of open area schools, non-grading, team teaching, techniques of individualizing instruction and use of learning-resource centres.
Limited to 20 students per section.
Prerequisites: Fourth Year standing or teaching experience.
Pre-reading recommended: Jackson, *Life in Classrooms.*
Instructor: Mr. Beall.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. both sections.
Place: Section 951: Scarfe 1328; Section 952: Scarfe 202.

488. (1½) Mathematics Education (Elementary). (B)

A course in curriculum and instruction for experienced elementary school teachers. The course will be concerned with recent changes and developments.
Limited to 25 students.
Prerequisites: Education 371 or equivalent or consent of instructor.
Instructor: Mr. Olley.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 19.
Place: Scarfe 1211.

489. (3) Applied Linguistics for Teachers. (C)

Basic theories of linguistics and their application to classroom practice.
Pre-reading required: pamphlet by W. Nelson Francis, *The History of English;* recommended: Parts 1 and 9 of Falk, *Linguistics and Language.*
Instructor: Mrs. Thew.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Ponderosa Annex E 123.

494. (1½) Communications Media Programmes in Schools — Motion Picture Film and Television. (B)

Organizing, developing and teaching of motion picture study programmes in educational institutions. The impact of film and television on the viewer.
Limited to 15 students.
Instructor: Mr. Mulholland.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: To be arranged.

496. (1½) Motion Picture Production in Education. (B)

Planning and production of educational motion picture resources for use in achieving specific learning objectives. This will include a study of motion picture design, pictorial continuity in relation to learning and production planning for educational purposes.
Limited to 15 students.
Instructor: Mr. Mulholland.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: To be arranged.

501. (1½) The Fundamentals of Human Learning and Motivation. (B)

Surveys theoretical points of view and empirical findings in basic forms of human learning and motivation — particularly of children and adolescents.
Prerequisite: Graduate status (candidate for master's or doctorate), Education 301, 302 or equivalent (e.g., Psychology 306) and/or consent of Department.
Pre-reading recommended: familiarity with a standard text in learning theory such as: Hill, W. F. (1963); Bigge, M. L. (1964); Hilgard, E. R. and Bower, G. H. (3rd edition 1966); or Garry, R. and Kingsley, H. L. (1970).
Instructor: Miss Coates.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 203.

504. (1½) Special Topics in Human Learning and Instruction. (B)

Combines lectures and seminars to investigate a range of specific learning topics, depending on student needs and faculty interests. Topics to include problem-solving, thinking creatively, language acquisition and utilization, psychomotor skills, social psychology of learning, influences of social class, influences of individual differences in intellectual and non-intellectual traits, reading skills, automated instruction (including computer-assisted instruction). Designed to develop and test new ideas concerning creative teaching, learning or research in an educational situation in areas of student interest.
Prerequisite: Education 501 or consent of Department.
Instructor: Miss Coates.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 22-August 9.
Place: Scarfe 203.

508. (3) Review of Research in Methods of Teaching Specific School Subjects.

Three units will be given for each course in an individual subject. No more than six units may be credited toward a Master's degree. Each course reviews the philosophy, purpose and function of the subject in school. Studies are made of recent research on curriculum organization, on particular methods of teaching, on the use of material aids, on factual comprehension and attitude testing.
NOTE: Be sure to indicate the individual subject on registration material.

(3) Social Studies. (C)

Limited to 20 students.
Prerequisites: Education 204, 404 or permission of instructor.
Instructors: Mr. Bentley, Mr. Ricker.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1326.

511. (3) Seminar in Science Education. (C)

Prerequisite: Consent of instructor.
Instructor: Mr. Boldt.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Scarfe 1211.

519. (3) History of Canadian Education. (B)

The historical growth of public education in Canada from the French regime to the present. The development of provincial public school systems and Canadian educational thought and practice.
Limited to 20 students.
Prerequisites: One of Education 400, 430 or 470.
Pre-reading recommended: Wilson, Stump & Audet, *Canadian Education: A History.*
Instructor: Mr. Dahlie.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe 1023.

521. (1½-3) Advanced Seminar in Philosophy of Education. (C)

Current trends in educational philosophy. Topic for Summer 1974: Philosophy of Educational Research.
Limited to 15 students.
Prerequisites: Education 400, senior level philosophy course, or consent of instructor.
Pre-reading recommended: Carl Hempel's *Philosophy of Natural Science.*
Instructor: Mr. Ennis.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1325.

528. (1½) Basic Principles of Measurement. (B)

Test theory, including reliability, generalizability, validity, and other psychometric topics.
Prerequisites: Education 482, 483, or equivalent, plus introductory course in measurement.
Instructor: Mr. Conry.
Time: Monday through Friday — 10:25 a.m.-11:30 a.m.
Place: Scarfe 203.

529. (1½) Test Construction. (B)

Measurement and scaling principles, and their applications in the construction and validation of measuring instruments (ability, interest, attitude, etc.).
Prerequisites: Education 528 or equivalent.
Instructor: Mr. Conry.
Time: Monday through Friday — 11:35 a.m.-12:40 p.m.
Place: Scarfe 203.

531. (1½) The Interview and Non-Standardized Measures in Guidance Services. (C)

Theoretical assumptions in the use of non-standardized appraisal techniques: interviews, observation techniques, rating scales, cumulative records, autobiographies, and sociometric procedures. Case studies.
Limited to 35 students.
Instructor: Mr. Tolsma.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 19.
Place: Scarfe 1020.

536. (3) Individual Tests. (A)

Administration, interpretation, and values of tests designed to measure individuality, intelligence, perception and other cognitive functions.
Limited to 10 students who have been approved by Dr. D. C. Thomas, Chairman of Educational Psychology, Faculty of Education.
Instructor: Mr. Chan.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe 1108.

552. (3) Basic Contributions to Administrative Thought. (A)

Prerequisite: Education 460.
Instructor: To be announced.
Time: Ten hours seminars a week, Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe SSOB.

556. (1½) Administration of the Educational Programme: the Problem of Change. (A)

NOTE: This course is offered during the first half of the Summer Session and should be followed by either Education 557 or 558.
Prerequisite: Students must obtain permission of Department if not registered in a Master's Degree Programme in Administration.
Instructor: To be announced.

Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 209.

557. (1½) Administration of the Elementary School: Emerging Trends. (A)

NOTE: This course is offered during the second half of the Summer Session and should follow Education 556.
Prerequisite: Permission of Department if student is not enrolled in a Master's Degree Programme in Administration.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe SSOB.

558. (1½) Administration of the Secondary School. (A)

NOTE: This course is offered during the second half of the Summer Session and should follow Education 556.
Prerequisite: Permission of Department if student is not enrolled in a Master's Degree Programme in Administration.
Instructor: To be annnounced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 200.

561. (3) Laboratory Practicum — Administration. (B)

Limited to 14 students.
Prerequisite: Students must be enrolled in a Master's Degree Programme in Administration or receive permission of Instructor.
Instructor: To be announced.
Time: Twenty hours seminar a week, Monday through Friday — 1:35 p.m.-6:10 p.m. — July 2-July 19.
Place: Scarfe SSOB.

564. (3) Research Problems in Curriculum Organization.

Theories of curriculum organization and a review of recent research. The work of the curriculum director.
Prerequisites: Education 204 or 404.
Instructor: Mr. Engel.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1023.

565. (3) Special Course in Subject Matter Field.

Courses in various subject matter fields designed to bring teachers up to date in new advances and recent findings in each field.

(3) Commerce. (C)

Limited to 25 students.
Prerequisite: Professional Teaching Certificate.
Instructor: To be announced.
Time: Monday through Friday — 8:00 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 210.

(3) English. (C)

Limited to 20 students.
Pre-reading required; please write by May 15 to Professor Muriel Niemi for a detailed description of the course.
Instructor: Mrs. Niemi.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Ponderosa Annex D 127.

(3) Mathematics. (B)

Some interesting topics from Number Theory (for instance, continued fractions) and from Finite Mathematics (for instance, linear programming) with particular reference to applications in school mathematics.
Limited to 30 students.
Prerequisite: Undergraduate major or concentration in mathematics, or consent of the instructor.
Instructors: Mr. Olley, Mr. Owens, Mr. Rousseau, Mr. Szetela.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Scarfe 1214.

(3) Science — Atmospheric Processes; Weather Analysis and Forecasting; Climatology. (C)

An investigation of the basic atmospheric processes and their application to recent developments in weather forecasting, climatic change, atmospheric pollution and weather modification (e.g., cloud seeding). A review of instrumentation, observation and analytical techniques including working with satellite photographs, simple weather instruments and the compilation and analysis of weather maps. The origins, classification and description of the climates of North America with particular emphasis on British Columbia.
Limited to 24 students.
Instructors: Mr. Carlisle, Mr. Hay.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. A field trip (by arrangement with class) one afternoon each week.
Place: Scarfe 1210.

569. (3) The Regional, Junior or Community College. (A)

Development of the two-year college. Special emphasis will be given to the organization, finance, personnel. curriculum and current issues facing the colleges. Field trip will be arranged.
Limited to 25 students.
Prerequisite: Consent of instructor.
Pre-reading required: Campbell, G., *Community Cwlleges in Canada;* Blocker, Plummer and Richardson, *The Two Year College — A Social Synthesis.* Recommended: One of Thornton, J. W., *The Community Junior College;* Medsker, L., *The Junior College;* Gleaser, E., *This is the Community College.*
Instructor: Mr. Dennison.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe 304.

576. (3) Advanced Seminar in the Supervision of Instruction. (C)

For Superintendents, Principals, Directors of Education and other Supervisory Personnel desiring advanced study in this area. The course addresses questions relevant to supervision as an aspect of education administration, the administration of educational personnel, and the administration of educational programmes.
Prerequisite: Education 460 or permission of Department.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1021.

580. (1½) Group Counselling. (A)

The theory and practice of group work. The emphasis will be placed towards the implementation of effective group counselling procedures within school settings. Concepts of leadership, dynamics, group processes, and co-facilitating will be studied.
Pre-session work: A paper presenting a personal position by each candidate within the course answering the following question: *What are some considerations in the implementation of an effective group counselling programme within the school?*
This is to be no longer than a ten-page typewritten assignment following acceptable University of British Columbia standards for term and research papers. To be handed in on the first day of lectures.
Instructor: Mr. Turgeon.

Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Scarfe 204.

580. (3) Problems in Management of Instructional Development Programmes. (C)

The course will deal with instructional development (I.D.) as a process, or technique, that can and should be used primarily to help resolve educational, instructional and learning problems (e.g., learner failure, low course completion rates, lack of individualization of instruction, negative student attitudes regarding available instruction, irrelevant instructions, negative faculty attitudes and/or low productivity rates, etc.). Three basic approaches will be examined: the "Shotgun" approach; the Systems approach; and the Problem Solving approach. It is intended that students will apply the process of I.D. to situations that are relevant to their present occupations.
Limited to 15 students.
Instructor: Mr. Watson.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: To be arranged.

580. (3) Problems in Education — The Evaluation of Educational Programs.

Comparison of different approaches to evaluation studies; evaluation roles and methodology; evaluation research designs; roles of the evaluator and administrator; current issues and problems. Students will select and report on a particular evaluation problem, or construct a detailed evaluation plan.
Students who have not completed Education 556 within the last three years should write the instructor for a description of prerequisite competencies.
Students wishing to apply this course for credit on their masters' degrees in Administration or wishing to substitute this course for another on their program, may do so after consultation with the department.
Limited to 18 students.
Instructor: Mr. Blaney.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Scarfe 1223.

598. (3) Field Experiences. (C)

Limited to 10 students.
Prerequisite: Prior permission from instructor and program supervisor.
Instructor: Mr Allan.
Time: All day, three days a week, for the duration of the course. Exact schedule to be arranged with instructor.
Place: To be arranged.

678. (1½) Counselling Theory and Procedures II. (C)

Theories and procedures for counselling individuals with special problems in development requiring attitudinal and behavioral change; the counselor's function in community liaison.
Limited to 35 students.
Instructor: Mr. Tolsma.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Scarfe 1020.

INDUSTRIAL EDUCATION

354. (1½) Oxyacetylene and Arc Welding.

(a) Oxyacetylene; fusion welding mild steel; flame cutting; testing and inspection of welds; bronze welding; silver alloy brazing, aluminum welding. (b) Arc: practice in common types of weld in mild steel; bronze welding.
Limited to 15 students.
Instructor: Mr. Traff.
Time: Monday through Friday-8:00 a.m.-12:00 noon-July 2-July 20.
Place: Division of Industrial Education, Burnaby 2, B.C.

357. (1½) Industrial Coatings.

Theory and practice of applying industrial finishing materials; manual and mechanical application to wood, metal and synthetic surfaces.
Limited to 20 students.
Prerequisite: Education 350, 351.
Instructor: Mr. Slinn.
Time: Monday through Friday-1:00 p.m.-5:00 p.m.-July 2-July 20.
Place: Division of Industrial Education, Burnaby 2, B.C.

450. (3) Technology of Woodworking II.

Design and layout of contemporary furniture; elementary finishing; production principles and techniques.
Limited to 20 students.
Prerequisite: Education 350.
Instructor: Mr. Merriam.
Time: Monday through Friday-8:00 a.m.-5:00 p.m.-July 22-August 10.

451. (3) Technology of Metalworking II.

An intermediate course in bench metalwork and light machine work; operations on lathe, shaper, surface grinder and milling machine; heat treatment, forging, welding and related metallurgy; students design and manufacture individual items.
Limited to 20 students.
Prerequisite: Education 351.
Instructor: Mr. Baril.
Time: Monday through Friday — 8:00 a.m.-5:00 p.m. — July 22-August 10.
Place: Division of Industrial Education, Burnaby 2, B.C.

452. (3) Technology of Building Construction I.

Design and construction of single unit residential buildings; custom and prefabrication methods; western platform frame and post and beam construction.
Limited to 20 students per section.
Prerequisite: Education 350.
Instructors: Mr. Harasin, Mr. Morrice.
Time: Monday throught Friday — 8:00 a.m.-5:00 p.m. —July 2-July 20, both sections.
Place: Division of Industrial Education, Burnaby 2, B.C.

453. (3) Automotive Theory and Practice I.

General construction of power plant, auxiliary systems, fuels, carburetion, lubrication, cooling systems, clutch, gear box, rear axles, drive shafts, universal joints, front suspension and steering gears, brakes.
Limited to 20 students.
Prerequisites: Education 351, 360.
Instructor: Mr. Trant.
Time: Monday through Friday — 8:00 a.m.-5:00 p.m. — July 2-July 20.
Place: Division of Industrial Education, Burnaby 2, B.C.

454. (3) Pattern-Making and Foundry Practice.

Influence of foundry techniques and metallurgy on design; practical application of various types of patterns; core box-making; green sand moulding; coremaking; gating practice; melting and pouring brass, iron, and aluminum alloys.
Limited to 12 students.
Prerequisite: Education 351.
Instructor: Mr. Harrington.
Time: Monday through Friday — 8:00 a.m.-5:00 p.m. — July 22-August 10.
Place: Division of Industrial Education, Burnaby 2, B.C.

458. (1½) Problems in Graphic Representation.

Specific drafting problems associated with each of the following specialties:

(a) Construction: millwork and furniture drawings, small boat design; national and local building codes; descriptive geometry.
Limited to 20 students.
Prerequisite: Education 252.
Instructor: Mr. Ratcliffe.
Time: Section 951 — Monday through Friday — 8:00 a.m.-12:00 noon — July 2-July 20.

(c) Metals-Mechanics: surface development; gearing; descriptive geometry.
Limited to 20 students.
Prerequisite: Education 252.
Instructor: Mr. Ratcliffe.
Time: Section 952 — Monday through Friday — 1:00 p.m.-5:00 p.m. — July 2-July 20.
Place: Division of Industrial Education, Burnaby 2, B.C.

463. (3) Technology of Synthetic Materials.

Principles and practices of synthetic materials layup; forming and extrusion; design and production of moulds and plugs; die casting.
Limited to 20 students.
Prerequisites: Education 350, 351.
Instructor: Mr. Banwell.
Time: Monday through Friday — 8:00 a.m.-5:00 p.m. — July 22-August 10.
Place: Division of Industrial Education, Burnaby 2, B.C.

464. (3) Design in Industrial Education II.

Design principles applied to the kinds of problems commonly encountered in the shop work.
Limited to 20 students.
Prerequisite: Education 353.
Instructor: Mr. Lewis.
Time: Monday through Friday — 8:00 a.m.-5:00 p.m. — July 22-August 10.
Place: Division of Industrial Education, Burnaby 2, B.C.

ENGLISH

100. (3) Literature and Composition. (A)

A study of the principles of composition and of some twentieth-century examples of drama, short story, poetry and novel. Essays and exercises are required.
Limited to 25 students per section.
Pre-reading required: Anton Chekhov, *Three Sisters.*
Instructors: Miss Eaton, Mr. Watson.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.
Place: Buchanan 2224.

201. (3) A Survey of English Literature. (A)

From Chaucer to 1914. Essays are required.
Limited to 25 students per section.
Prerequisite: English 100.
Pre-reading required: Chaucer, *The General Prologue;* Milton, *Paradise Lost,* Books 1 and 2.
Instructors: Mr. Morton, Mr. Thompson.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.
Place: Buchanan 2230.

202. (3) Major Authors to 1914. (A)

Concentrated study of eight authors, including Chaucer, Shakespeare, Milton, and a novelist; may include one Canadian or American writer. Essays are required.
Limited to 25 students per section.
Pre-reading required: Chaucer, *The General Prologue;* Milton *Paradise Lost,* Books 1 and 2.
Instructors: Mr. Pinkus, Mr. Rosengarten.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 951: 10:25 a.m.-12:35 p.m.
Place: Buchanan 323.

300. (3) Seminar for English Majors. (C)

Exercises in criticism involving critical approaches to literature. A limited number of texts will be examined closely.
Limited to 20 students who have been accepted by the English Majors Committee.
Pre-reading required: H. Coombes, *Literature and Criticism,* (Penguin); Shakespeare, *Richard II,* (Pelican); Austen, *Emma,* (Riverside).
Instructor: Mr. Wigod.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 317.

309. (3) Modern English and Its Background. (A)

A description of English phonetics, phonology, grammar and vocabulary. Open to Second Year students.
Limited to 25 students.
Pre-reading required: R. W. Langacker, *Language and its Structure* 2nd Ed. N.Y. Harcourt Brace, 1973.
Instructor: Mr. Taylor.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 327.

340. (3) The English Novel to Thomas Hardy. (B)

The major novelists of the eighteenth and nineteenth centuries.
Limited to 35 students.
Pre-reading required: Defoe, *Moll Flanders;* Dickens, *Dombey and Son, Great Expectations;* Eliot, *Adam Bede;* Fielding, *Tom Jones;* Richardson, *Clarissa;* Sterne, *Tristram Shandy* — recommended: Austen, *Emma, Northanger Abbey;* Charlotte Bronte, *Jane Eyre;* Emily Bronte, *Wuthering Heights;* Hardy, *Under the Greenwood Tree, Tess of the D'Urbervilles;* Radcliffe, *The Mysteries of Udolpho* (brief selections); Shelley, *Frankenstein;* Walpole, *The Castle of Otranto.*

NOTE: An examination on the required pre-reading will be given at the end of the first week of lectures. A detailed reading list specifying editions is available from the English Department.

Instructor: Mr. Hulcoop.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 321.

365. (3) Shakespeare. (A)

Lectures on various aspects of Shakespeare's art. Detailed study of eight plays.
Limited to 35 students.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 317.

365. (3) Shakespeare. In-The-Field — England. Section 931.

For description of course see **Directed Study Abroad** page 49.

425. (3) Modern Drama. (C)

A study of the movements and major dramatists in the late nineteenth and twentieth centuries.
Pre-reading required: Ibsen, *A Doll's House, Ghosts, Hedda Gabler;* Chekhov, *Uncle Vanya, Three Sisters, The Cherry Orchard.*
Instructor: Mr. Durbach.

Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 317.

511. (3) Chaucer and Medieval Aesthetics. (C)

Limted to 10 students who must have the permission of the instructor.
Pre-reading required: two or more of the following: E. Panofsky, *Gothic Architecture and Scholasticians;* R. Jordan, *Chaucer and the Shape of Creation* (1967); H. Wolfflin, *Principles of Art History* (Dover, n.d.); O. von Simson, *The Gothic Cathedral* (1962).
Instructor: Mr. Jordan.
Time: To be arranged.
Place: To be arranged.

ENGLISH EDUCATION

303. (3) English Composition. (A)

A study of the principles and practice of good writing.
For credit only in the Faculty of Education.
Limited to 15 students per section.
Prerequisite: English 200 or equivalent.
Instructors: Mrs. Clarke, Mrs. MacMillan, Mrs. Pavelich, Mrs. Savery, Mr. Seamon, Mr. Sylvester.
Time: Monday through Friday — Sections 951, 952, 953: 8:00 a.m.-10:10 a.m.; Sections 954, 955: 10:25 a.m.-12:35 p.m.; Section 956: 1:35 p.m.-3:45 p.m.
Place: Sections 951, 953: Ponderosa Annex B 102; Sections 952, 954: Ponderosa Annex B 104; Sections 955, 956: Ponderosa Annex D 203.

311. (3) Children's Literature. (A)

A survey of children's literature from early sources to recent books. A historical approach to the appraisal of books and authors for children.
For credit only in the Faculty of Education.
Limited to 35 students per section.
Prerequisite: English 200.
Pre-reading: Three children's books, one by a British author, one by a Canadian and one by an American.
Instructors: Mr. Arthur, Mr. Ashley, Mr. McNeal, Mrs. McNeal, Mrs. Ralston.
Time: Sections 951, 952: 8:00 a.m.-10:10 a.m.; Sections 953, 954: 10:25 a.m.-12:35 p.m. — Monday through Friday; Section 955: 7:00 p.m.-9:40 p.m. — Monday through Thursday.
Place: Sections 951, 953: Ponderosa Annex E 117; Section 952: Ponderosa Annex E 121; Section 954: Scarfe 201; Section 955: Buchanan 225.

FINE ARTS

125. (3) History of Western Art. (A)

The history of architecture, sculpture and painting of the Western World from Ancient Egypt and Mesopotamia to the present.
Pre-reading recommended: H. W. Janson, *History of Art.*
Instructor: Mr. Crooker.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Lasserre Room 102.

181. (3) Studio I. (C)

An introductory study of visual forms, conducted through studio work and experiments closely related to illustrated lectures and demonstrations; the basic visual elements explored through two- and three-dimensional materials and intermedial projects.
Limited to 20 students. (priority to prospective Fine Arts majors and B.F.A. students).
Pre-reading required: *Basic Design,* Sausmarez, S. recommended: *Form Space and Vision,* Collier, G.; *Student Handbook of Colour,* Smith, C. N.
Instructor: Mr. Gilbert.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Duke Hall.

335. (3) Renaissance and Mannerist Art. (C)

The painting, sculpture and architecture of Italy and Northern Europe from 1400 to 1600.
Pre-reading recommended: Frederick Hartt, *Italian Renaissance Art;* John White, *Art and Architecture in Italy, 1250-1400;* Millard Meiss, *Painting in Florence and Siena after the Black Death;* John Shearman, *Mannerism, Style and Civilization.*
Instructor: To be announced.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Lasserre 104.

337. (3) 17th and 18th Century Art. (C)

The painting, sculpture and architecture of Western Europe from 1600 to 1800.
Instructor: To be announced.
Time: Ten hours lectures a week, Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Lasserre 102.

339. (3) 19th and 20th Century Art. (C)

Painting and sculpture in Europe and America from the late 18th century to the present.
Pre-reading recommended: If you have not had a general introduction to Art History read Goembrich's *The Story of Art.*
Instructor: Mr. Collins.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Lasserre 102.

351. (3) Chinese Art. (C)

Major areas of emphasis in the history of Chinese art will include Chinese painting, ritual bronzes. Buddhist art and the arts of the Han and T'ang empires.
Pre-reading recommended: S. E. Lee, *A History of Far Eastern Art.*
Instructor: Mr. Caswell.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Lasserre 105.

397. (3) Art of the Renaissance. In-The-Field —Florence, Italy. Section 931.

For description of course see **Directed Study Abroad** page 48.

397. (3) Western Art Since 1800. In-The-Field —England. Section 932.

For a description of course see **Directed Study Abroad** page 49.

397. (3) Historical Techniques — Mosaics, Enamelling and Stain Glass. In-The-Field — Paris, France. Section 933.

For description of course see **Directed Study Abroad** page 49.

FRENCH

110. (3) First-Year French. (A)

Limited to 20 students per section.
Prerequisite: French 11 or equivalent. Not for credit to students with French 12 or French 100.

Instructor: Mr. Maingon, Mr. Robert.
Time: Monday through Friday — Section 1: 8:00 a.m.-10:10 a.m.; Section 2: 10:25 a.m.-12:35 p.m.
Place: Buchanan 3248.

120. (3) Contemporary French: Language and Literature. (A)

Limited to 20 students.
Prerequisites: French 12, 100, 110. (May be taken for credit in 2nd Year).
Pre-reading required: A. Camus, *L'Etranger,* Part I (Appleton-Century-Crofts).
Instructor: Mr. Holdaway.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan Tower 826.

202. (3) Studies in French Language and Style, I. (A)

Composition, oral practice, translation. To be taken by all students intending to proceed to the Major or Honours Programme.
Limited to 20 students.
Prerequisite: French 120 or equivalent.
Instructor: Mr. Dorin.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 3206.

220. (3) An Introduction to French Literature. (B)

To be taken by all students intending to proceed to the Major or Honours Programme.
Limited to 20 students.
Prerequisites: French 120 or equivalent.
Pre-reading required: B. Constant, *Adolphe* (Garnier-Flammarion).
Instructor: Miss Kaltemback.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 3206.

302. (3) Studies in French Language and Style, II. (A)

Composition, syntax, versification, advanced translation and oral practice.
Limited to 20 students.
Prerequisites: French 202 or equivalent.
Instructor: Mrs. Nicollerat.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan Tower 826.

306. (3) French Phonetics. (A)

Theory and practice of French pronunciation.
Limited to 20 students.
Instructor: Mr. Leduc.
Time: Monday through Friday — 1:35 p.m.-3:50 p.m.
Place: Lecture: Buchanan 220; Laboratory: Buchanan 111.

334. (3) French Civilization. (C)

A thematic approach to French and French Canadian literary works considered in a broad cultural context. Conducted in French.
Limited to 20 students.
Prerequisites: French 202 or 220.
Pre-reading recommended: Consult Department of French.
Instructor: Mr. Bouraoui.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 2202.

GENERAL SCIENCE EDUCATION

309. (3) General Science for Elementary School Teachers. (A)

Limited to 24 students per section.
Instructors: Mr. Brough, Mrs. Forster, Mr. Gillespie, Mr. Krayenhoff.
Time: Monday through Friday — Section 951: 8:00 a.m.-10:10 a.m.; Section 952: 10:25 a.m.-12:35 p.m.; Section 953: 4:00 p.m.-6:10 p.m.; Section 954: Monday through Thursday — 7:00 p.m.-9:40 p.m. Field trips to be arranged with students.
Place: Sections 951, 952, 953: Scarfe 1204; Section 954: Scarfe 1207.

GEOGRAPHY

101. (3) Introduction to Physical Geography. (A)

Weather and climate; origin and distribution of land forms with particular reference to North America. (Geography 101 may be credited as a science elective in the B.A. and B.Ed. Programmes).
(Laboratory periods are available throughout each day and will be assigned at the first lecture).
Pre-reading recommended: Strahler, A. N., *Environmental Geoscience,* Hamilton, 1973.
Instructor: Mr. Slaymaker.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.; laboratory to be arranged.
Place: Geography 201.

327. (3) Historical Geography of Canada. (C)

A discussion of the evolving settlements, landscapes, and regional patterns of Canadian life before the 20th century.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.; seminars to be arranged.
Place: Geography 200.

350. (1½) Introduction to Urban Geography. (C)

Theories of urban location; aspects of the urban economy; internal structure of cities; urban trends, problems and public policy.
Prerequisites: Geography 200 or 201.
Instructor: Mr. Ley
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 9.
Place: Geography 100.

494. (3) Geography of the Soviet Union. (C)

Physical environment and natural resources; distribution of population and economic activities: their historical origins and the impact of Soviet rule; current problems of regional development.
Instructor: To be announced.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Geography 212.

499. (3) Geography of Canada. (C)

Selected aspects of six regions of Canada; physical environment, natural resources, primary industries, urban patterns. Course will stress the regional method of study.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Geography 200.

GEOLOGICAL SCIENCES

105. (3) General Geology. (A)

Physical and historical geology. Origin and structure of the earth, materials of the earth, diastrophism, erosion, land forms, mineral deposits, history of the earth and the development of life.
Pre-reading recommended: Leet and Judson, *Physical Geology,* Prentice-Hall, Fourth Edition, 1971. This is also

the text for the course.
Instructor: To be announced.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m.
Place: Geological Sciences 107.

GERMAN

100. (3) First Year German. (A)

Introduction to the language.
Instructor: Mr. Martin.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-11:15 a.m.
Place: Lecture: Buchanan 221; Laboratory: 217.

200. (3) Second Year German. (A)

Reading, grammar, composition.
Prerequisite: German 100.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 327.

350/403. (3) Composite Course. (B)

Please denote the particular course for which you wish to receive credit.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 325.

350. (3) German Literature 1700-1800. (B)

Representative works with emphasis on Lessing, Goethe and Schiller.
Prerequisites: German 223 or equivalent.

403. (3) Studies in the Classical Period. (B)

Prerequisites: Fourth Year standing or the equivalent.

516. (1½-3) Guided Research. (A)

Prerequisite: Consent of Graduate Advisor.
Instructors: German Department Staff.
Time: By arrangment with Instructor — June 1-August 31.
Place: To be arranged.

HISTORY

NOTE: Only 3 units of History may be taken during Summer Session. In special cases the History Department may consent to exceptions to this regulation.

318. (3) England Under the Tudors and Stuarts, 1485-1688. (C)

Limited to 50 students.
Instructor: Mr. Wernham.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 221.

326. (3) British North America, 1763-1867. (B)

Limited to 50 students.
Pre-reading required: J. M. S. Careless, ed., *Colonists and Canadiens, 1760-1867.*
Instructor: Mr. Upton.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: To be arranged.

372. (3) Ideas and Institutions of the Middle Ages. (C)

Limited to 50 students.
Instructor: To be announed.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 223.

426. (3) Canada After 1867. (A)

Limited to 50 students.
Pre-reading recommended: J. M. S. Careless and R. Craig Brown (Editors) Part I of *The Canadians 1867-1967* (Paperback).
Instructor: Mr. Cross.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 223.

432. (3) Diplomacy of the Great Powers from the Early 20th Century. (C)

Pre-reading required: A. Fontaine, *History of the Cold War,* 2 Vols.; R. Sontag, *A Broken World: 1919-1939.*
Instructor: Mr. Egerton.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Buchanan 218.

434. (3) History of Southeast Asia Since 1800. (C)

Limited to 50 students.
Pre-reading recommended: Bastin, J. and Benda, H. J., *A History of Modern Southeast Asia* (Prentice-Hall).
Instructor: Mr. Harrison.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 319.

HOME ECONOMICS

204. (1½) A Study of Textiles and Their Uses. (B)

Emphasis on the characteristics of textile fabrics and their component parts. Importance of the textile industry, and current legislation. (Not accepted for credit toward the Bachelor of Home Economics degree).
Prerequisites: Chemistry 11 or equivalent.
Instructor: Ms. Wilson.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Home Economics 109.

205. (1½) Community and Public Health Nutrition. (B)

A consideration of the food and nutrition situation in Canada and in the under-developed countries. Attention will be given to community and public health surveys, and to the assessment of nutritional status.
Instructor: Ms. Schwartz.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Home Economics 100.

207. (3) Foods. (B)

A study of the composition, production, selection and care of various foods. Application of scientific principles to practical problems of food preparation. Not accepted for credit toward the Bachelor of Home Economics degree.
Limited to 20 students.
Prerequisites: Chemistry 11 or equivalent. Chemistry 12 or 103 strongly recommended.
Instructor: To be announced.
Time: Lecture: Monday through Friday — 8:00 a.m.-10:10 a.m.; Laboratory: Monday, Wednesday, Friday — 1:35 p.m.-5:50 p.m.
Place: Lecture: Home Economics 100; Laboratory: Home Economics 106.

209. (1½) Nutrition. (B)

A basic course in nutrition, emphasizing the function of nutrients in the body, the changes resulting from nutritional deficiencies, the distribution of nutrients in the diet, and the dietary requirements for various nutrients. (Not accepted for credit toward the Bachelor of Home Economics degree).

Prerequisites: Chemistry 11 or equivalent; Chemistry 12 or 103 strongly recommended.
Instructor: Mr. Desai.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 19.
Place: Home Economics 109.

210. (1) Comparative Clothing Construction. (B)

Investigation and application of clothing construction principles on traditional and newly developed fabrics.
Instructor: Ms. Wilson.
Time: Tuesday and Thursday — 1:35 p.m.-5:50 p.m.
Place: Home Economics 107.

466. (3) Special Problems. (B)

Special problems in family life education in school settings.
Limited to 25 students.
Prerequisites: Course work in the family. Some teaching experience preferred or permission of instructor.
Pre-reading required: Obtain list from instructor.
Instructor: Mrs. Arcus.
Time: Monday through Friday — 9:00 a.m.-4:00 p.m. — July 15-August 2.
Place: Home Management House.

ITALIAN

100. (3) First-Year Italian. (C)

Grammar, reading, conversation.
Instructor: Mr. Chiarenza.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 2225.

200. (3) Second-Year Italian. (C)

Reading, writing and oral practice, with constant and systematic reference to the grammatical structure of the language.
Prerequisite: Italian 100.
Instructor: Mrs. Ciccone.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 3218.

JAPANESE

180. (6) Intensive Summer Course in Japanese. (B)

Equivalent to Japanese 100 and 101.
Limited to 20 students.
Instructor: Mr. Takashima.
Time: Monday through Friday — 8:15 a.m.-12:20 p.m. — June 24-August 23.
Place: Buchanan 1214.

200. (6) Intermediate Japanese. (C)

Limited to 15 students.
Prerequisites: Japanese 100 and 101 or equivalent or permission of Department.
Instructor: Mr. Makino.
Time: Monday through Friday — 8:15 a.m.-12:20 p.m. — June 24-August 23.
Place: Buchanan 3202.

LATIN

100. (3) First-Year Latin. (A)

For students with no previous knowledge of Latin. Others should consult the Department.
Instructor: Mr. Dusing.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 3205.

LINGUISTICS

420. (3) Introduction to Linguistic Problems. (C)

General background to linguistic studies; the different approaches to the analysis of languages; synchronic, diachronic and diatopic linguistics; phonetics, phonology, morphology, syntax, and semantics. This course is not available for credit to students majoring in linguistics.
Pre-reading recommended: Falk, Julia S., *Linguistics and Language* (Xerox Coll. 1973).
Instructor: Mr. Dumas.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 2225.

MARINE SCIENCE

NOTE:

1. Students enrolling for Marine Science 400, 412 and 430 must
   a) be accepted by the Bamfield Marine Station Academic Sub-Committee (application to be received by University of British Columbia representative, Dr. Ronald Foreman, c/o Department of Botany by March 23, 1974) and
   b) be accepted in the 1974 Summer Session. (See Registration Procedure)
2. *Accommodation:* Available at Bamfield, it is anticipated that the cost of room and board will be approximately $200.
3. *For information and application forms:* Students may contact any one of the five members of the Academic Sub-Committee. The University of British Columbia committee member is Dr. Ronald E. Foreman, Department of Botany.

400. (3) Directed Studies.

A course of directed studies under the supervision of a member of faculty. The study will involve a research project approved by the supervisor in the field of interest of the student, and will be designed to take maximum advantage of the laboratory and/or field opportunities offered by the Marine Station.
Instructor: To be announced.

NOTE: the member of faculty supervising the study may be a member of the teaching staff participating in the curriculum offered at the Marine Station.

Time: July 4-August 16.

412. (3) Biology of Fishes.

Classification, physiology, ecology, behaviour and zoogeography of fishes with particular emphasis on those in the marine environment of the British Columbia coast. This course will involve field trips.
Prerequisite: Zoology 203. Credit will not be given for this course and Zoology 415.
Instructor: Mr. Walker.
Time: July 4-August 16.

430. (3) Marine Ecology.

An analytical approach to biotic associations in the marine environment. Opportunities will be provided for study of the intertidal realm in exposed and protected areas, and of beaches and estuaries, in the vicinity of the marine Station;

plankton studies and investigations of the subtidal and benthic environments by diving and dredging are envisaged.
Instructor: To be announced.
Time: July 4-August 16.

MATHEMATICS

100. (2) Calculus I. (A)

Ideas, techniques and applications of differentiation and integration.
Prerequisite: Mathematics 12 (Secondary School Programme, British Columbia) or equivalent.
Instructors: Mr. Clarke; Mr. Divinsky.
Time: Section 951: Monday, Wednesday, Thursday —10:25 a.m.-12:35 p.m., Friday — 10:25 a.m.-11:30 a.m.; Section 952: Monday, Wednesday — 7:00 p.m.-9:40 p.m., Thursday — 7:00 p.m.-9:15 p.m.
Place: Section 951: Mathematics 232; Section 952: Mathematics 203.

120. (1) Introduction to Analysis I. (B)

Discussion of some concepts underlying Calculus such as induction, greatest lower bound, least upper bound, sequence, limit, continuity and proofs of theorems.
Prerequisite: Mathematics 100 which may be taken concurrently.
Instructor: Mr. Divinsky.
Time: Tuesday — 10:25 a.m.-12:35 p.m., Friday — 11:35 a.m.-12:40 p.m.
Place: Mathematics 232.

121. (1) Introduction to Linear Algebra. (A)

Systems of linear equations; vectors; geometry of two and three dimensions.
Prerequisite: Mathematics 12 (Secondary School Programme, British Columbia) or equivalent.
Instructor: Mr. Clarke.
Time: Tuesday — 7:00 p.m.-10:20 p.m.
Place: Mathematics 225.

200. (2) Calculus II. (A)

Differentiation and integration of functions of several variables, surfaces, curves, line and surface integrals, applications.
Prerequisite: Mathematics 100 and 121. It is recommended that 221 be taken concurrently.
Instructor: Mr. Ree.
Time: Monday, Wednesday, Thursday — 1:35 p.m.-3:45 p.m., Friday — 1:35 p.m.-2:40 p.m.
Place: Mathematics 232.

220. (1) Introduction to Analysis II. (C)

Continuity and differentiability of vector-valued functions, proofs and deeper discussion of theorems used in Mathematics 200.
Prerequisite: Mathematics 200, full standing in the previous year and at least second class in Mathematics 100, 120. Mathematics 200 may be taken concurrently.
Instructor: Mr. Ree.
Time: Tuesday — 1:35 p.m.-3:45 p.m., Friday — 2:45 p.m.-3:50 p.m
Place: Mathematics 232.

221. (2) Linear Transformations and Applications. (A)

Vector, spaces, bases and dimensions; metric geometry; linear transformations and matrices, invertibility, determinants. Characteristic equations; eigenvalues; diagonizability. Applications to linear differential equations, quadratic forms.
Prerequisite: Mathematics 121.
Instructor: Mr. Bullen.
Time: Monday, Tuesday — 7:00 p.m.-9:40 p.m., Thursday — 7:00 p.m.-9:15 p.m.
Place: Mathematics 204.

222. (1) Elementary Algebra. (A)

Complex numbers, polynomials, roots, factorization, fields.
Prerequisite: Mathematics 121.
Instructor: Mr. Bullen.
Time: Wednesday — 7:00 p.m.-10:20 p.m.
Place: Mathematics 204.

301. (3) Ordinary Differential Equations. (C)

First order equations, linear equations and systems with applications, power series solutions, eigenfunctions, orthogonal polynomials, stability. Credit will not be given for both 301 and 410.
Prerequisites: Mathematics 200 and 221.
Instructor: Mr. Mysak.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Mathematics 229.

305. (3) Statistics. (B)

Statistical inference, hypothesis testing, non-parametric methods, correlation and regression, introduction to the design of experiments, elements of utility theory, sequential analysis, special topics of applied interest.
Prerequisites: Mathematics 200 and at least one of 205, 318.
Instructor: Mr. Schulzer.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Mathematics 229.

312. (1) Construction of the Number System. (C)

The natural numbers, Peano's axioms, rationals, reals, complex numbers.
Prerequisites: Mathematics 120 and 222.
Instructor: Mr. Macskasy.
Time: Tuesday — 1:35 p.m.-3:45 p.m., Friday — 2:45 p.m.-3:50 p.m.
Place: Mathematics 104.

318. (3) Introduction to Random Processes. (C)

Discrete and continuous sample spaces and random variables, law of large numbers, central limit theorem, Poisson process, Markov chains, renewal processes, and special topics.
Prerequisite: Mathematics 200.
Instructor: Mr. Lamb.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Mathematics 204.

412. (2) Elements of Set Theory. (B)

Primitive notions of set theory, Russell's paradox, set operations, relations and functions, cardinals, Cantor-Schroder-Bernstein theorem, ordinals, well ordering.
Prerequisite: 12 units of Mathematics courses (Mathematics 312 is recommended). May not be offered in 1974-75.
Instructor: Mr. Macskasy.
Time: Monday, Wednesday, Thursday — 1:35 p.m.-3:45 p.m., Friday — 1:35 p.m.-2:40 p.m.
Place: Mathematics 104.

531. (3) Topics in Analysis. (C)

Instructor: To be announced.
Time: Ten hours lectures a week, Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Mathematics 105.

MICROBIOLOGY

200. (3) Introductory Microbiology. (A)

History of bacteriology; bacteria in nature; classification of bacterial forms; methods of culture and isolation; relation of bacteria to agriculture, industry, veterinary science, public health and sanitation.
Prerequisite: Biology 101 (102) or equivalent. It is recommended that Chemistry 230 (203) be taken concurrently. This course is a prerequisite to all others in the Department except 417 and 418.
Pre-reading recommended: Levy et. al., *Introductory Microbiology,* Chapters 2, 3, 4 and 5.
Instructors: Mr. Miller, Miss Syeklocha.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 10:25 a.m.-12:35 p.m.
Place: Lecture: Wesbrook 201; Laboratory: Wesbrook 103.

MUSIC

320. (3) History of Music II. (B)

The development of music from circa 1600 to the present day.
Limited to 40 students.
Pre-reading recommended: consult the Department.
Instructor: Mr. Butler.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Music 338.

NOTE: This is a required course in the B. Mus. Programme. It is also approved as an elective in the Faculty of Arts and the Faculty of Education.

321. (3) Music Appreciation, Twentieth-Century. (A)

Designed for students with little or no musical background. Not open to majors in Music.
Instructor: Mr. Wilson.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Music Recital Hall.

326. (3) Music Appreciation. (A)

An introduction to music for students with little or no musical background. Not open to majors in Music for credit.
Pre-reading recommended: Howard Brofsky and Jeanne Bamberger, *The Art of Listening* (N.Y. Harper and Row, 1972).
Instructor: Mr. Brofsky.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Music Recital Hall.

MUSIC EDUCATION

201. (3) Counterpoint and Harmony. (B)

A continuation and expansion of Music Education 101.
Limited to 20 students.
Prerequisite: Music Education 101.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Scarfe 1314.

302. (3) Instrumental Techniques. (B)

Instruction in the playing and teaching techniques of brasses, woodwinds and percussion.
Limited to 20 students.
Prerequisites: Music Education 201.
Instructor: To be announced.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Scarfe 1314.

303. (3) Choral Music. (B)

Principles and techniques of choral music.
Limited to 20 students.
Prerequisite: Music Education 201.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place; Scarfe 1317.

PHILOSOPHY

100. (3) Introduction to Philosophy. (A)

Some influential philosophical writings and doctrines will be studied as an introduction to the problems and methods of philosophy. Particular attention will be given to problems arising from human interaction in a political community. Class will consist mainly of group discussion. Students will be expected to write short weekly papers.
Instructor: Mr. Hadley.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 1213.

201. (3) Problems in Ethics and Social Philosophy. (C)

Problems of contemporary relevance will be considered with readings from both classical and contemporary sources. Class time will be divided between lectures and informal discussion.
Pre-reading required: Plato — the dialogues: *Apology; Crito.*
Instructor: Mr. Dixon.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 2202.

311. (3) Aesthetics. (C)

An analysis of the aesthetic experience and its relationship to the value of music, the visual arts and literature.
Pre-reading recommended: *Problems in the Philosophy of Criticism,* Monroe Beardsley.
Instructor: Mr. Sikora.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: Buchanan 2202.

PHYSICAL EDUCATION

203. (1) Conditioning Programmes (Men/Women). (A)

Conditioning exercises, fitness assessment, adaptation of exercise programmes, teaching methods and techniques.
Limited to 30 students.
Pre-reading required: Cooper, *Aerobics,* Bantam Books.
Instructor: Mr. Laycoe.
Time: Monday through Friday — 2:45 p.m.-3:50 p.m.
Place: To be arranged.

209. (1) Softball. (C)

Instructor: Mr. Pennington.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m.
Place: To be arranged.

216. (1) Soccer. (C)

Limited to 25 students.
Pre-reading required: *Know the Game,* Association Football, Football Association, Educational Productions Ltd., East Ardsley, Wakefield, Yorkshire, England.
Instructor: Mr. Lendvoy.
Time: Monday through Friday — 4:00 p.m.-5:05 p.m.
Place: Physical Education 203A.

218. (1) Games, Contests and Relays. (A)

Individual, pair, team and group activities; teaching methods and techniques.
Instructor: Mr. Sinclair.
Time: Monday through Friday — 10:25 a.m.-11:30 a.m.
Place: Memorial Gymnasium.

220. (1) Badminton.

Instructor: Mrs. Penny.
Time: Monday through Friday — 9:10 a.m.-10:15 a.m.
Place: To be arranged.

223. (1) Wrestling. (C)

Instructor: Mr. Laycoe.
Time: Monday through Friday — 1:35 p.m.-2:40 p.m.
Place: To be arranged.

224. (1) Golf. (B)

Limited to 25 students.
Pre-reading recommended: *Golf Teaching Kit,* Golf Foundation.
Instructor: Mr. Pugh.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m. — July 2-July 20.
Place: To be arranged.

226. (1) Tennis. (A)

Instructor: Miss Anthony.
Time: Monday through Friday — 1:35 p.m.-3:45 p.m. — July 2-July 20.
Place: To be arranged.

229. (1) Squash, Handball and Racquet Ball. (C)

Instructor: Mr. Pennington.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 20.
Place: To be arranged.

230. (1) Swimming. (A)

Instructor: To be announced.
Time: Monday through Friday — 11:35 a.m.-12:35 p.m.
Place: Memorial Gymnasium Pool.

240. (1) Dance. (C)

A composite course of folk, square and ballroom dancing, teaching methods and techniques.
Instructor: To be announced.
Time: Monday through Friday — 1:35 p.m.-2:40 p.m.
Place: To be arranged.

360. (1½) Comparative Physical Education. In-The-Field — England. Section 931.

For description of course see **Studies In-The-Field** under the Education-Extension Continuing Education for Teachers section of this calendar page 50.

363. (1½) Kinesiology. (C)

Anatomical concepts and physical laws applied to joint and muscular action. Analysis of human movement in the performance of motor skills.
Prerequisites: P.E. 262 or P.E. 391.
Instructor: Mr. Pugh.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 2-July 20.
Place: To be arranged.

416. (1) Soccer Coaching. (C)

A study of player positions and strategy, team tactics and formations. Organizing and planning offensive and defensive techniques. Practical experience in drills and skill development.
Prerequisite: P.E. 216.
Instructor: Mr. Johnson.
Time: Monday through Friday — 8:00 a.m.-9:05 a.m.
Place: To be arranged.

460. (1½) Administrative Practices in Physical Education and Athletics. (B)

A study of the problems relating to the organization and administration of physical education programmes.
Prerequisite: Fourth Year standing.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 10.
Place: To be arranged.

463. (1½) Physiology of Exercise. (C)

Study of the acute and chronic effects of exercise on body systems; examination of working capacity, acid-base balance, strength, peripheral circulation using plethysmographic and other methods; monitoring physiological changes with telemetric methods.
Limited to 20 students.
Prerequisites: Anatomy 390 and Zoology 303 or P.E. 391.
Instructor: Mr. Coutts.
Time: Monday through Friday — Lecture: 1:30 p.m.-2:30 p.m.; Laboratory: 2:45 p.m.-3:50 p.m.
Place: Memorial Gymnasium 32.

468. (1½) Human Motor Performance. (C)

An analysis of the current research material and theory concerning motor performance and learning of man. Emphasis is placed on the concept of man as a component system. Man's capabilities, limitations, and integrative qualities are studied in order to improve the structure of the environmental situation and thus accelerate the learning process.
Prerequisite: Third Year standing or consent of instructor.
Pre-reading recommended: M. D. Robb, *The Dynamics of Motor Skill Acquisition,* Prentice-Hall, 1972.
Instructor: Mr. Sinclair.
Time: Monday through Friday — Lecture: 9:10-10:15 a.m. — July 22-August 10.
Place: Lecture: Memorial Gymnasium 32; Laboratory: Memorial Gymnasium Motor Learning Laboratory.

PHYSICS

110. (3) Mechanics, Electricity and Atomic Structure. (A)

Prerequisite: Physics 11. Mathematics 100 and 121 must precede or be taken concurrently with this course.
Pre-reading required: *College Physics,* D. E. Tilley; W. Thum; Cummings Publishing Company (winter session textbook).
Instructor: Mr. Schone.
Time: Monday through Friday — Lecture: 8:00 a.m.-10:10 a.m.; Laboratory: 1:35 p.m.-4:35 p.m.
Place: Lecture: Hebb 12; Laboratory: Hebb 20.

POLITICAL SCIENCE

201. (1½) Foreign Governments. (A)

A comparative analysis of foreign governments, Algeria and France.
Pre-reading recommended: Ottaway, *Algeria: The Politics of a Socialist Revolution* (University of California Press).
Instructor: Mr. Benjamin.
Time: Monday through Friday — 10:25 a.m.-12:30 p.m. — July 2-July 19.
Place: Buchanan 3230.

204. (3) International Politics. (C)

Comparison of historical international systems; the formulation of foreign policies, including ideological, perceptual and historic components. Strategies of isolation, non-alignment and alliance. Techniques of wielding international influence through diplomatic bargaining, propaganda, economic aid, subversion and war. Ethical and legal restraints on behaviour in foreign policy. This course is strongly recommended for students who will later take Political Science 311.
Instructor: Mr. Pastusiak.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 3236.

321. (1½) Quebec Government and Politics. (C)

The nature of politics and the conduct of government in contemporary Quebec. The course is open to students from fields other than political science.
Prerequisite: Political Science 200 or departmental permission.
Pre-reading recommended: Dale Thomson, *Quebec Society and Politics* (McClellan & Stewart).
Instructor: Mr. Benjamin.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m. — July 22-August 9.
Place: Buchanan 3230.

PSYCHOLOGY

200. (3) Experimental Psychology. (A)

A detailed introduction to experimental and theoretical aspects of sensation, perception, learning, motivation and thinking. The emphasis is upon content rather than method but with some attention to elementary statistics.
Instructor: Mr. Apter.
Time: Ten hours lectures a week, Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: To be arranged.

206. (3) Dynamics of Behaviour. (C)

An experimental, dynamic and social approach to behavioural adjustment with special reference to applications.
Instructor: Mr. Little.
Time: Ten hours lectures a week, Monday through Friday — 10:25-12:35 p.m.
Place: To be arranged.

308. (3) Social Psychology. (B)

Theory and research of individual social behaviour; social motivation; non-verbal communication, Dyadic interaction, personality and social behaviour; group interaction; socialization attitudes; racial prejudice; and related topics.
Pre-reading required: Argyle: *The Psychology of Interpersonal Behaviour* (2nd edition) Penquin Books, 1972.
Instructor: Mr Argyle.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: To be arranged.

316. (3) Methods in Research. (C)

A detailed coverage of basic research methods. The design of experiments and statistical analysis. Methods will be applied in laboratory and project work.
Prerequisite: Psychology 200.
Pre-reading required: *Introduction to UBC Computing Centre*. Recommended: *Tactics of Scientific Research*, M. Sidman.
Instructor: Mr. Landon.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: To be arranged.

415. (3) The Psychology of Work. (C)

An examination of the substantial body of research material and theory concerning human beings at work.
Prerequisites: Psychology 200 or 206.
Instructor: Mr. Huberman.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 219.

546. (3) Seminar in Psychological Problems. (A)

An advanced seminar in clinical psychology, giving emphasis to problems and methods of concern to clinical psychologists. This course is limited to graduate students with the appropriate background and training.
Prerequisite: Approval from instructor required.
Time: May 1 to August 16 — seminars and field trips as arranged by Professor.
Instructors: Mr. Best, Mr. Craig.

RECREATION

394. (1½) Outdoor Recreation. (C)

An introductory course which will include a study of the natural environment and its relationships to man and his leisure; agencies involved, problems of conservation and pollution, outdoor education and schools, survival, and some practical experience in outdoor living.
Prerequisites: Third Year standing or consent of instructor.
Instructors: Mr. Burnup, Mr. Carre.
Time: Monday through Friday — 4:00 p.m.-6:10 p.m. — July 22-August 10. This course will include some evening and week-end field trips in lieu of scheduled classes.
Place: To be arranged.

RELIGIOUS STUDIES

204. (3) Introduction to the Study of Eastern Religious Traditions. (C)

The religions of India, Hinduism, Jainism, Buddhism, and also the interaction of Buddhism with Bon systems of Tibet and with Taoism and Confucianism in China, and the development of Japanese religious traditions.
Instructor: Mr. Hanson, Mr. Richardson.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 1210.

300. (3) Archaeology of the Ancient Near East. (C)

Pre-reading required: S. Moscat, *The Face of the Ancient Orient.*
Instructor: Mr. Kassis.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Laserre 107.

RUSSIAN

180. (6) Intensive Workshop in Russian. (B)

A general introduction to the grammar, and a vocabulary sufficient for basic work in the language. Students will have an opportunity to use their newly-acquired knowledge with native Russian speakers. The use of the language laboratory, along with recreational facilities, will round out the course. After completing the course, students will be able to continue their studies independently or in Russian courses given in the winter. Secondary School graduates are eligible. No previous knowledge of Russian required. *Limited to 40 students.*

Instructor: Mr. Solecki.
Time: Monday through Friday — 8:30 a.m.-6:00 p.m. — July 2-August 16.
Place: New Arts Building 104.

SLAVONIC STUDIES

306. (3) Russian Literature in Translation. (C)

Concentrating on detailed study of major 19th-and 20th-century writers such as Dostoyevsky, Tolstoy, Turgenev, Chekhov, and Solzhenitsyn, with consideration both of the Russian and Soviet historical context and of their contemporary relevance (e.g., with regard to freedom and oppression, revolution and tradition, altered states of consciousness, ways of growth and liberation, the conflict of generations, the role and status of women, and ecology).
Pre-reading: Tolstoy's *War and Peace* (Penguin Classics, two volumes).
Instructor: Mr. Futrell.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 3252.

SOCIOLOGY

461. (3) Political Sociology. (C)

Study of the social foundations of political order and the social aspects of political processes; includes a review of various socio-political ideologies, elite formations, political parties and interest groups, political reform, reactionary movements, and a general examination of the relationship between social structure and political power.
Instructor: Mr. Kaplan.
Time: Monday through Thursday — 7:00 p.m.-9:40 p.m.
Place: Scarfe 203.

SPANISH

100. (3) First-Year Spanish. (A)

Grammar, composition, translation, oral practice.
Instructor: Mr. Smith.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Buchanan 3218.

200. (3) Second-Year Spanish. (A)

Composition, translation and oral practice.
Prerequisite: Spanish 100.
Instructor: Mr. Murchison.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Buchanan 3244.

THEATRE

200. (3) Theatre Practice. (B)

The fundamentals of inner technique to create character, external technique to project character, and improvisations and class presentations of short scenes for practical application of the above techniques. (Formerly Theatre 300).
Limited to 20 students.
Prerequisite: Second Year standing or above.
Pre-reading required: Charles McGaw, *Acting is Believing.*
Instructor: Mr. Strassman.
Time: Monday through Friday — 8:00 a.m.-10:10 a.m.
Place: Frederick Wood Theatre 206.

301. (3) Children's Theatre. (B)

The creative approach to drama with children and to theatre for children in the elementary school. *For credit in the Faculty of Education.*
Limited to 25 students.
Instructor: To be announced.
Time: Monday through Friday — 10:25 a.m.-12:35 p.m.
Place: Hut M24.

SUMMER SESSION REGISTRATION — 1973 Credit Courses

MEN	WOMEN	TOTAL
1787	1777	3564

ON-CAMPUS EVENING CREDIT COURSES - INTERSESSION

May 1-July 24. Most courses are scheduled two evenings a week, 7:00-10:00 p.m., Calendar available upon request: write to the Centre for Continuing Education, University of British Columbia, or telephone 228-2181, local 251.

ARTS

Anthropology

200 (3) Introduction to Social Organization — M & W
430 (3) Theory and Programmes of Social Change — T & W

Asian Studies

325 (3) Chinese Philosophy — T & Th

Creative Writing

202 (3) Creative Forms — T & Th

Economics

100 (3) Principles of Economics — M & W
490 (3) Applied Economics — T & Th

English

100 (3) Literature and Composition — M & W
201 (3) A Survey of English Literature from Chaucer to 1914 — M & W
303 (3) English Composition — M & W or T & Th
311 (3) *Children's Literature — T & Th
365 (3) Shakespeare — T & Th — see also Directed Study Abroad
390 (3) A Survey of English Literature of the 19th Century — M & W
*for credit in the Faculty of Education only

Fine Arts

125 (3) History of Western Art — T & Th
181 (3) Studio I — M & W
397 (3) — see Directed Study Abroad

French

110 (3) First-Year French — T & Th
400 (3) A Survey of French Literature in Translation — M & W

German

430 (3) German for Reading Knowledge — T & Th

History

329 (3) The Social Development of Canada — M & W
429 (3) History of the American West — T & Th.

Italian

100 (3) First-Year Italian — M & W

Linguistics

420 (3) Introduction to Linguistic Problems — M & W

Philosophy

100 (3) Introduction to Philosophy — M & W
317 (3) Philosophy of Religion — M & W
323 (3) Chinese Philosophy — T & Th
410 (3) Philosophical Problems — T & Th

Political Science

407 (3) American Politics and Government — M & W

Psychology

100 (3) Introductory Psychology — T & Th
200 (3) Experimental Psychology — M & W
305 (3) Theory of Personality — M & W
311 (3) Individual Differences — T & Th
316 (3) Methods in Research — M & W
409 (3) Cognitive Processes — T & Th

Sociology

270 (3) Introduction to Comparative Social Institutions — M & W
462 (3) Social Change — T & Th

Spanish

100 (3) First-Year Spanish — T & Th
200 (3) Second-Year Spanish — M & W

EDUCATION

Education

333 (3) Curriculum and Instruction for Young Children — See Courses at Other Locations
334 (3) The Role of the Teacher in Home and Community — See Courses at Other Locations
400 (3) Philosophy of Education — T & Th May 21-July 23
439 (1½) Instructional Television: Principles and Application of Non-Studio Techniques — T & Th, May 2-June 13
465 (3) Technical Problems in Science Education — M & W
495 (1½) Still Photography in Education — M, 7-10 p.m. & Sat., 9 a.m.-4 p.m., May 6-June 1.
496 (1½) Motion Picture Production in Education — M, 7-10 p.m. & Sat., 9 a.m.-4 p.m., June 5-June 29.

English

311 (3) Children's Literature — T & Th

NURSING

Nursing

253 (⅜) Behavioural Patterns in Illness and Health — M & W
281 (1) Introduction to Statistics and Research Methods — T, May 7-June 25
357 (3) Perspectives in Nursing — M & W
366 (1½-3) Clinical Nursing — M & W

SCIENCE

Computer Science

310 (3) Advanced Programming and Data Processing — M & W

Mathematics

120 (1) Introduction to Analysis I — M, 7:30-9:30 p.m.
121 (1) Introduction to Linear Algebra — W, 7:30-9:30 p.m.
205 (2) Introduction to Probability and Statistics — T & Th, 7:30-9:30 p.m.
311 (3) Elementary Number Theory and Algebraic Concepts — M & W

COURSES AT OTHER LOCATIONS

ABBOTSFORD

Ed. 334 (3) The Role of the Teacher in Home and Community — T & Th 4-7 p.m. beginning April 23

BAMFIELD

Comparative Invertebrate Embryology — tentative — watch for further announcements.

Marine Science 420 (3) Marine Phycology. May 13-June 25 on location at the Marine Station.

Enrolment in the above courses is restricted. Please contact Dr. R. E. Foreman, Department of Botany, University of British Columbia, 228-4672 before March 23.

CHILCOTIN

Anthro. 306 (3) Field Studies in Archaeology (for Archaeology Majors only) — 7 weeks on location, May-June

PRINCE GEORGE

Ed. 403. (1½) Mental Retardation — schedule to be announced in cooperation with the BCAIMR Conference.

PRINCE RUPERT

Ed. 425 (3) Curriculum and Instruction in Art II — Fri. & Sat., schedule to be announced.

RICHMOND

Ed. 333 (3) Curriculum and Instruction for Young Children — M & W 4-7 p.m. beginning April 22.

INDEPENDENT STUDY CREDIT CORRESPONDENCE COURSES

The following three-unit courses are available by correspondence offered through the Centre for Continuing Education of The University of British Columbia. Courses may also be taken on a non-credit basis. Students are reminded that they may register for a correspondence course at any time during the year.

Economics 100
Principles of Economics

Education 412
Introduction to Adult Education

English 201
A Survey of English Literature from Chaucer to 1914.

English 303
English Composition

English 392
Victorian Poetry

German 200
Second-year German

History 326
British North America, 1763-1867

History 372
Ideas and Institutions of the Middle Ages

History 429
History of the American West

Philosophy 410
Philosophical Problems

Political Science 200/202
Canadian Government/Contemporary Ideologies

Psychology 100
Introductory Psychology

Psychology 200
Experimental Psychology

Psychology 206
Dynamics of Behaviour

Psychology 301
Developmental Psychology

Psychology 305
Theory of Personality

Psychology 308
Social Psychology

For a copy of the Independent Study Calendar and/or further information, please write to Credit Correspondence Courses, Centre for Continuing Education, The University of British Columbia, Vancouver V6T 1W5, B.C. or telephone 228-2181 local 241.

Directed Study Abroad

Application for Registration

Course title .....

Number .....Sec .....

Mr/Mrs/Miss.....

Address.....

.....

Occupation .....

Age Group Under 21 ☐ 21-40 ☐ 41-65 ☐

Over 65 ☐

Daytime telephone.....Evening .....

Please check:

☐ I have previously enrolled in credit courses at the University of British Columbia.

☐ I have not previously enrolled in credit courses at the University of British Columbia.

☐ I wish to take the course for credit.

☐ I wish to take the course on a non-credit basis.

This application must be accompanied by a $100 deposit cheque.

Please make cheque payable to *The University of British Columbia.* Mail form and deposit to: Credit Courses, Centre for Continuing Education, University of British Columbia, Vancouver, B.C. V6T 1W5. The deposit will be refundable until two months before departure, but only after that date if admission to the course is refused. Balance of course fee is due and payable one month before departure.

Further Information

If you wish additional information before applying, please write to Directed Study Abroad, Centre for Continuing Education, University of British Columbia, Vancouver, B.C. V6T 1W5 or telephone 228-2181, local 251.

All applicants will be sent further information about the course for which they have applied as it becomes available.

DIRECTED STUDY ABROAD

In response to widespread interest, the Centre for Continuing Education is offering a broad range of in-the-field courses in the Spring and Summer of 1974. These courses provide an opportunity for interested persons to combine study and travel.

Who May Enrol

Courses designated as Directed Study Abroad may be taken for 3 units of credit at The University of British Columbia by anyone who meets the admission requirements of the University and has the necessary prerequisites.

These courses may also be taken for transfer credit provided the student seeks admission to the University and obtains a letter of permission from their home university.

Persons who wish to participate on a non-credit basis are also welcome.

Registration Procedure

Please complete and return the Application for Registration form on page as soon as possible. Enrolment is limited. To reserve a place in the course of your choice your application form must be accompanied by a $100 deposit.

Students wishing to take the course for University credit will then be sent course registration forms and if they are new to the University, Application for Admission forms. These should be completed and returned promptly as applications for admission should be received by the University by April 1.

Costs

The fee indicated for each course varies considerably in accordance with which items are included in the basic fee and which will be at the student's own expense. Students should also note that these courses do not include return air fare.

The $100 deposit is refundable only up to two months prior to departure; after that date deposits will only be returned if admission to the course is refused. The full balance is due and payable one month prior to the date of departure.

Educational Travel Tour to Peru and Ecuador

December 20, 1974-January 12, 1975 (tentative dates)

This educational travel tour to Peru and Ecuador will focus on the pre-hispanic civilizations of the areas, with particular reference to anthropological and archaeological study. The group will travel via Canadian Pacific Airlines. The tour will be preceded by an orientation program which will be held during the Fall term of 1974. To have your name placed on a mailing list to receive further information which will be available in the summer, please contact the Centre for Continuing Education, University of British Columbia, Vancouver, B.C. V6T 1W5 or call 228-2181, local 237.

Summer School in Florence — Art of the Renaissance

Fine Arts 397 — Sec. 931

Directed Study in Italy, May 19-June 27.

Instructor: Dr. Diane Finiello-Zervas of Florence, Italy. Dr.

Finiello-Zervas received her Ph.D. in the history of art from Johns Hopkins University in 1973.

Teaching Assistant: Mrs. Doreen Nalos, Graduate Student, Department of Fine Arts, University of British Columbia.

This course on art of the Renaissance is being offered in Florence, Italy, for the fourth consecutive year with the UBC Department of Fine Arts. The course will cover the art and architecture of Florence and surrounding areas from the 14th to the 16th century.

Program: The group will meet four days each week to view and discuss the major monuments in Florence. Weekly day trips to important sights in central Italy, including Assisi, Siena and Rome, will be an integral part of the course. Weekends will be free.

Students will make their own way to Florence and arrange their own accommodation. Addresses of inexpensive places of accommodation will be made available to registered students.

Course fee: $200 includes tuition and day trips.

Summer School in London — Western Art Since 1800

Fine Arts 397 — Sec. 932

Directed Study in England, May 24-June 28.

Instructor: Mr. David Cottington, Department of Fine Arts, University of British Columbia. Mr. Cottington received his Masters degree in 20th century art from the Courtauld Institute of Art, University of London, in 1972.

A five-week course on the modern tradition in Western art from around 1800 to the present. The course will provide the opportunity for first-hand study of the wealth of paintings, sculpture and architecture of this period in London and surrounding areas.

Program: The group will spend three or four mornings a week in the principal London museums and galleries studying, chronologically, representative works of art from the 19th and 20th century, including the most contemporary work. There will be optional afternoon visits to current exhibitions in London, to the studios of several contemporary artists, and to buildings of architectural significance. Day trips will be arranged one day each week to such centres as Hampton Court, Oxford, Brighton and Cambridge. Weekends will be free.

The course begins and ends in London. Students will make their own return travel arrangements to London. Information on arrangements for accommodation in London will be included in the detailed course description available on request.

Course fee: $420, includes tuition, bed and breakfast, and day trips.

Historical Techniques — Mosaics, Enamelling and Stain Glass

Fine Arts 397 — Sec. 933

Directed Study in Paris, France and at UBC, July 2-August 16.

Instructor: Professor Lionel Thomas, Department of Fine Arts, University of British Columbia.

A study of materials and techniques with emphasis on mosaics, enamelling and stain glass. Studies will be conducted for four weeks in Paris at major museums and cultural centres. Selected day trips to surrounding areas such as Versailles, Reims and Fontainebleau will be arranged.

The group will return to UBC for an intensive two-week studio course on enamelling and stain glass assembly.

Students will make their own travel arrangements to Paris and return and arrange for their own accommodation both in Paris and Vancouver. Information on charter flights and a list of inexpensive accommodation in Paris will be made available to registered students.

Course fee: $235, includes tuition, laboratory fee and day trips.

Shakespeare — England

English 365 — Sec. 931

Directed Study in London and Stratford-upon-Avon, July 9-August 8.

Instructor: Dr. Geoffrey Creigh, Department of English, University of British Columbia.

This course on Shakespeare will begin with two weeks of seminars and lectures in the London area. The group will attend theatre performances in London. From July 22 the group will be located at the Shakespeare Institute, a centre of graduate study of the University of Birmingham at Stratford-upon-Avon. Students will attend all plays currently in repertory at the Royal Shakespeare Theatre. Seminars, lectures and excursions to places of historical interest will be arranged in conjunction with the Shakespeare Institute. Day trips will include visits to such places as Coventry, Kenilworth, Warwick and Bath. Weekends will be, largely, free.

Participants will be expected to make their own travel arrangements to and from London. Information on available charter flights will be made available to registered students.

Course fee: approximately $600* for tuition, accommodation and most meals, theatre tickets, transportation from the London area to Stratford-upon-Avon and scheduled field trips.
* Not $700 as previously announced.

Physical Education in England

See **Studies In-The-Field** under the Education-Extension Continuing Education for Teachers section of this Calendar page 50.

EDUCATION EXTENSION — Continuing Education for Teachers

The University of British Columbia Summer Session and Education Extension wish to draw the following summer educational experiences to the attention of teachers and other interested persons.

Education Extension workshops and field studies —May to August 1974

The summer '74 programme is designed to offer an array of courses that have immediate value in terms of classroom applications. *Teachers may expect to review and learn new concepts and techniques and at the same time produce materials for teaching.*

EE6679 EDUCATION OF THE MENTALLY AND PHYSICALLY HANDICAPPED IN SCANDINAVIA —Eyewitness reports with visual aids. BOB POUTT and associates. May 31, June 1. UBC. $15.

EE6683 COMMUNITY SCHOOL RELATIONSHIPS —PART I — A seminar for school administrators. June 7, 8. Vancouver. $25.

EE6680 CONFLUENT EDUCATION — theory and application. Tentative course. July 2-12 UBC.

EE6675 CAMERAS IN THE CLASSROOM — A practical course which will stress low budget production

and the integration of media for classroom use. VICKI JENSEN. July 27-August 2 UBC $35.

LEARNING SKILLS (See Reading and Study Skills Section). DONALD MOSEDALE. July 15-19. UBC. $35 and $60.

EE6685 AN INTENSIVE CINEMATOGRAPHY WORKSHOP/FIELD STUDY WITH DON ZIMMERMAN. July 27-August 7. The course to be located at Washington State University, Pullman, Washington, and The World's Fair at Spokane, Washington.

EE6678 ORFF: MOVEMENT AND MUSIC —Active participation in learning Orff philosophy and techniques. DONNA HOSSACK and BIRTHE KULICH. July 2-13, 9:00 a.m.-1:00 p.m. UBC. $75.

EE6681 WOODCUT PRINTMAKING WITH B.C. ARTIST ALISTAIR BELL. August 12-23. UBC. $60.

EE6676 ROCKY MOUNTAIN FIELDTRIP —Natural history studies, specimen collecting, outdoor living, educational implications. JON RAU and FRED GORNALL. August 19-27, Banff, Alberta.

EE6677 INTERNATIONAL SCIENCE CURRICULUM STUDY (I.S.C.S.) — An examination of techniques and materials. SCIENCE EDUCATION FACULTY. UBC.

EE6682 TRAINING THE MENTALLY RETARDED IN SWEDEN WITH INGMAR SANDLING. Tentative course. UBC.

EE6684 SIMULATION MODEL BUILDING — Computer based processes and techniques for the study of the urban environment. IIPS STAFF. UBC $10.

EE6703 SPINNING DYEING WORKSHOP — NONA YATES, July 29-August 2, 8:30 a.m.-12:30 p.m. UBC. $30.

EE6702 WALLHANGING WORKSHOP —NONA YATES, August 5-9, 8:30 a.m.-12:30 p.m. UBC. $30.

EE6704 SILK SCREENING FABRICS WORKSHOP —MARION TOWERS, July 29-August 16, 9:00 a.m.-12:00 noon. UBC. $75.

More detailed information circulars on all courses noted above are available from either the SUMMER SESSION Office or Education Extension, University of British Columbia, Centre for Continuing Education (228-2181).

Instructors' Diploma Programme — Summer 1974

This programme consists of a sequence of four courses designed for instructors currently employed in British Columbia Vocational Schools, community colleges, public schools and other institutions.

Dates: July 2-26, 1974
Location: H. R. MacMillan Bldg., University of British Columbia Campus
Courses:
- I.D. 101 The Public Education System
- I.D. 102 Elements of Instruction
- I.D. 103 Technology of Instruction
- I.D. 104 Student Progress

For further information and to apply for entry please request a brochure from Education Extension (228-2181).

Early Childhood Education Certificate Courses

A programme of advanced continuing education studies for licensed pre-school supervisors, interested public school kindergarten and primary teachers, nurses, social workers and other professional persons in the helping professions.

Summer '74 courses will be available in the following areas:

Core course — The Adult and Learning Child in Group Settings Administration and Supervision
Special Education
Team Relationships and Communication Skills
Integrated Curriculum
Family Relationships
Child Development

For further information call Education for Young Children (228-2181).

Studies In-The Field (Credit or Audit)

Physical Education in England — 1974 (P.E. 360 Section 931)

Dates: July 4 to August 24 (approximate)
Locations: St. Mary's College, Twickenham; Crystal Palace National Sports Centre, London, Loughborough University Summer School, Leicestershire, and other national sports centres in England and Wales.
Instructor: DR. ERIC BROOM, Assistant Professor, University of British Columbia, School of Physical Education and Special Consultant to the British Columbia Government.

Tentatively planned studies in the field:

1975 School Administration in the United Kingdom
1976 Comparative Physical Education — in conjunction with the Olympic Games, Montreal, 1976.

For information and to obtain brochures on the above listed courses contact:

EDUCATION EXTENSION PROGRAMMES
CENTRE FOR CONTINUING EDUCATION
UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER B.C. V6T 1W5
(604) 228-2181.

The UBC Summer Session and Education Extension wish to draw the attention of teachers to:
Summer Programmes — Jericho '74
B.C. Teachers' Federation
#105 - 2235 Burrard St.
Vancouver B.C. V6J 3H9
(604) 741-8121

Application for Information and Registration

Course(s).....

Name.....

Home Address .....

.....Telephone .....

Work Address.....

.....Telephone .....

☐ 1. Please send me information on the above mentioned course(s)

☐ 2. I wish to receive the general Summer '74 circular

☐ 3. I enclose fees in the amount of $

(If you check 1. or 2. please direct your letter or telephone inquiry to: Education Extension, Centre for Continuing Education, University of British Columbia, Vancouver, B.C. V6T 1W5 (228-2181).

Please make cheques payable to the University of British Columbia and submit with this application form to: REGISTRATIONS, Centre for Continuing Education, University of British Columbia, Vancouver, B.C., V6T 1W5 (228-2181).

READING AND STUDY SKILLS AND WRITING IMPROVEMENT CENTRE

Courses for students, teachers and the general public.

Reading Improvement classes for adults, university and secondary students begin the first week in July. Classes meet for two hours, two afternoons or evenings a week for five weeks or three hours for six Saturdays. Fees: $60 non-students, $35 students.

Writing Improvement classes to help improve your essay writing skills. Classes for students and non-students begin the first week in July. Dates, times and fees same as above.

Special Summer course for Teachers of all levels and all content areas: LEARNING SKILLS — integrating principles and techniques into your classroom learning programme. Instructor, PETER EDWARDS. July 15-19. UBC. $35.

For details or registration forms contact: Reading and Study Skills Centre (228-2181).

CENTRE FOR CONTINUING EDUCATION LANGUAGE INSTITUTE SUMMER 1974

Six-Week Residential English Language Program July 2-August 9

For Persons Whose First Language is not English

The Centre for Continuing Education of the University of British Columbia is offering a residential program in English to help persons whose first language is not English to improve their proficiency in spoken English.

The principal aim of the program is to help the student to further his or her knowledge of the English language, encourage the practice of spoken English and where deemed advisable, because of the advanced level, to develop further skills in written English an additional aim is to introduce the student to the culture of English Canada through films, discussions and frequent excursions into the English-speaking community.

Techniques used will apply the principles and research of modern linguistic science to the teaching of English. The program is intended to help the student master the pronounciation, intonation and grammatical patterns of spoken English. The morning and early afternoon will be spent in formal instruction and language laboratory work. The evenings will include cultural and social activities.

This is not a beginners' course; it will be assumed that some English has been studied. The number in each section will be limited so that attention can be given to individual requirements. Progress tests will be administered and personal counselling will be available. The course is non-credit and will not guarantee admittance to a university.

The six-week program is $700.00 in Canadian funds and includes tuition, room and board, social and cultural activities and arranged day trips.

For registration or further information; telephone 228-2181, local 257 or 265.

Twelve Week Residential English Language Program May 20-August 9

For persons whose first language is not English and wish to prepare themselves for study in an English speaking university. The course is non-credit and will not guarantee admittance to a university but should greatly assist those who already have been admitted or wish to prepare themselves for university admission examinations. The program is also designed for persons who wish to improve their English for reasons of business or personal development.

The Centre for Continuing Education of the University of British Columbia is offering a twelve-week residential program in English to help persons whose first language is not English to improve their proficiency in spoken and written English.

The principal aim of the program is to help the student to further his or her knowledge of the English language, encourage the practice of spoken English and to develop further skills in written English. An additional aim is to introduce the student to the culture of English Canada through films, discussions and frequent excursions into the English speaking community.

Techniques used will apply the principles and research of modern linguistic science to the teaching of English. The program is intended to help the student master the pronunciation, intonation and grammatical patterns of spoken English. The morning and early afternoon will be spent in formal instruction and language laboratory work. The evenings will include cultural and social activities.

This is not a beginners' course; it will be assumed that some English has been studied. The number in each section will be limited so that attention can be given to individual requirements. Progress tests will be administered and personal counselling will be available.

The twelve-week program is $1250.00 in Canadian funds and includes tuition, room and board, social and cultural activities and arranged day trips.

For registration or further information; telephone 228-2181, local 257 or 265

Residential French Language Program

May 20-June 28 and July 2-August 9

The Centre for Continuing Education is offering six-week residential programs in spoken French to help university-level students whose first language is not French to improve their proficiency in French. The program will include formal instruction and language laboratory work, cultural and social activities. The courses are non-credit.

Six-week Program: $700, includes tuition, room and board, social and cultural activities and arranged day trips.

For further information telephone 228-2181, local 257 or 265.

CREATIVE ARTS PROGRAMMES

A varied programme of non-credit courses will again be offered in the summer in such facets of the arts as photography, visual arts, fabric arts, music and theatre. Many of these will be studio courses and some of them will involve trips to various off-campus sites. For further information contact:

Creative Arts Programme
Centre for Continuing Education
The University of British Columbia
Vancouver, B.C. V6T 1W5
Phone 228-2181, local 254

NATURAL SCIENCE AND PHOTOGRAPHY FIELD TRIPS

Field trips dealing with Plants, Birds and Rocks and Minerals will be offered. Also planned is a series of excursions for photography enthusiasts. For further information about any of these courses contact:

Creative Arts Programme
Centre for Continuing Education
The University of British Columbia
Vancouver, B.C. V6T 1W5
Phone 228-2181, local 254

SHAKESPEAREAN FESTIVAL STUDY TOUR — Ashland, Oregon

The Oregon Shakespearean Festival is presenting *Twelfth Night, Titus Andronicus, Hamlet* and *Two Gentlemen of Verona* this coming summer. The Institute of Renaissance Studies of the Festival offers a week-long course, *From Script to Stage: The Plays of the Season*. A prologue series of lectures will be given in Vancouver and then the class will join students of the Institute who come from all over North America. They will attend the plays, performed in an outdoor theatre patterned after the Fortune Theatre of Shakespeare's London, participate in backstage tours and other events associated with this oldest Shakespearean Festival in the western hemisphere. One play will be presented in the unique indoor Angus Bowmer Theatre and bonus plays are *A Cry of Players* and *Waiting for Godot*. Students may stay in residence at Southern Oregon College or make their own arrangements.

For further information contact:
Creative Arts Programme
Centre for Continuing Education
The University of British Columbia
Vancouver, B.C. V6T 1W5
Phone 228-2181, local 254

SPECIAL SUMMER LECTURES

The Centre for Continuing Education is planning to arrange some lectures for the general public in connection with the First International Symposium on Non-Verbal Aspects and Techniques of Psychotherapy being planned for Vancouver during July 29, 30 and 31 by the Department of Psychiatry, University of British Columbia; the World Psychiatric Association and the Canadian Psychiatric Association. The Centre hopes to present lectures by Dr. Stanislav Grof, pioneer researcher with LSD, and Stanley Keleman, a leading author, teacher and practitioner in the field of the human body and its energetic expressions.

For further information regarding these lectures, as available, contact the Centre for Continuing Education, 228-2181, local 261.

UNIVERSITY OF VICTORIA
Summer Session 1974

ANTHROPOLOGY

ANTH 240 Archaeology
250 Physical Anthropology
335 Minority and Ethnic Group Relations
339 Indians of the Pacific Northwest

ASTRONOMY

ASTR 120 Elementary Astronomy

BIOLOGY

BIOL 150 Principles of Modern
306 Ecology
318 Vascular Plant Taxonomy

CLASSICS

CLAS 330 Greek History

CREATIVE WRITING

CW 100 Introduction to Creative Writing
201 Poetry Workshop
202 Fiction Workshop

ECONOMICS

ECON 100 Introduction to Economics
200 Principles of Economics

ENGLISH

ENGL 110 The Use of English
120 Literature of English-Speaking Countries
200 A Survey of British Literature
201 Studies in Modern Literature
300 English Composition
301 Children's Literature
393 Myth and Literature
394 Thematic Approaches to Literature
400 Advanced English composition
413 Shakespeare Survey
426 Problems in American Literature
430 The Romantic Period (1790-1830)
437 British and American Drama Since World War
438 Canadian Literature

FRENCH

FREN 350 La Maison Française
410 Literature of the Eighteenth Century

GEOGRAPHY

GEOG 101 Introduction to Geography
350 Introduction to Resource Geography
410 Geography of Western Canada
448 Urban Social Geography
465 Geography of Japan

GERMAN

GERM 100 Beginners' German
140 Elementary German
410 Classical Period

HISTORY

HIST 230 History of Canada
304 The United States in the Twentieth Century
342 British North America, 1763-1867
350 The Canadian West
366 Europe in the Twentieth Century
401 The Discovery and Settlement of North America

LINGUISTICS

LING 390 The Growth and Structure of Modern English

MATHEMATICS

MATH 100 Calculus I
101 Calculus II
110 Algebra and Geometry
160 Fundamental Aspects of Mathematics for the Elementary Teacher
170 Introduction to Computing
171 Computer Applications
210 Linear Algebra I
332 Survey of Modern Algebra

POLITICAL SCIENCE

POLI 216 Canadian Government and Politics
310 The Governments of the United Kingdom and the United States
445 Comparative Foreign Policy

PSYCHOLOGY

PSYC 220 Introduction to Personality
300 Research Methods in Psychology
331 Social Psychology
335 Developmental Psychology

SOCIAL WORK

SW 400 Social Work

SOCIOLOGY

SOCI 100 Introduction to Sociology
200 Canadian Society
335 Minority and Ethnic Group Relations

HISTORY IN ART

HA 120 Language of History in Art
362 Western Art in the 20th Century
485 Conservation of Antiquities

MUSIC

MUS 100 Language of Music I
115 The Elements of Music
316 Text, Music and Drama

THEATRE

THEA 330 Directing I
382 Youth Theatre

VISUAL ARTS

ART 200 Drawing
210 Painting
230 Printmaking
240 Photography

GRADUATE COURSES — *To Be Announced*

EDUCATION

EDUC 145 General Science
301 Introduction to Measurement in Education
305 Psychology of Childhood
316 Verbal Communication
317 Non-verbal Communication
340 Research and Programme Development in Primary Education
341 Literature in the Elementary School
342 Foundations of Reading
343 Reading in the Elementary School
344 Oral Communication and Speech Development in the Elementary School
345 Selected Topics in General Science
346 Social Studies in the Elementary School
347 Foundation of Elementary School Language
348 Language in the Elementary School
360 Educational Media
361 Advanced Educational Media
370 Introduction to Outdoor Education
371 Outdoor Recreation
401 Evaluation of Learning
403 Social Psychology of School and Classroom
406 Psychology of Adolescence
407 The Exceptional Child — Cognitive and Affective Functions
408 The Exceptional Child — Sensory and Motor Functions
409A Education of the Exceptional Child — the Gifted
409E Education of the Exceptional Child — Emotionally Disturbed
414 Group Processes
415 Diagnosis of Learning Difficulties
416 Remediation of Learning Difficulties
417 Helping Relationships
420 Philosophy of Education
423 History of Education
425 Anthropology and Education
432 Values Education
440 Early Childhood Education
441 Research and Programme Development in Pre-School Education
442 Corrective Reading Instruction
443 Mathematics Curriculum in the Elementary School
444 Mathematics Instruction in the Elementary School
445 Science Education
541E Science

ART EDUCATION

AE 100 Art Education
300 Art Education (Advanced)
301 Three-Dimensional and Crafts
302 Drawing and Painting in the Classroom
303 Ceramics in the Classroom
304 Crafts in the Classroom
400 Special Study

LIBRARY EDUCATION

LE 430 Selection and Organization of Library Materials
432 The School Library and the Teacher
433 The School Librarian

MUSIC EDUCATION

ME 100 The Teaching of Choral and Classroom Singing
207 Educational Materials for Listening
208 Piano Class for Classroom Teachers
306 Music Activities in the Elementary School (Advanced)
307 Music Activities in the Secondary School (Advanced)
308 Piano Class for Classroom Teachers (Advanced)
309 Foundations of Music Education

PHYSICAL EDUCATION

PE 345 Physical Education in Early Childhood
442 Motor Learning
445 Developmental and Adaptive Physical Education
446 Physical Education in the Intermediate Grades