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DOUGLAS
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All typesetting and layout of this calendar carried out by students, faculty and staff of the Douglas College Journalism and Graphics classes.

A LETTER OF INTRODUCTION

In late February 1975, the Planning Information and Development Office completed a Regional Educational Plan that was the culmination of the work of five College Task Forces and numerous faculty, staff and administration meetings. This plan was subsequently approved by the College Council as the formal Educational Plan for the College. The Plan will be continually updated and expanded as a result of further studies and general College development.

The recently accepted Regional Education Plan embraces the need for a continuing and intensified dialogue between the Planning Information and Development Office, various Users' Teams, representatives from Staff, Faculty, and Student Associations, concerned individuals, and, through College Council, the public at large.

Indeed, we are now in the phase of development that involves a true sense of permanency in the community.

As stated in last year's Calendar, "...it is of paramount importance to all concerned that student representation and student action in effective committee work be encouraged and nurtured in a positive and constructive manner."

It is easy to pay lip service to "college-community involvement". The real challenge lies in establishing a vehicle or a number of avenues of approach that will encourage a maximum input from those who really show concern for the style and nature of the various components of each campus as it is to be developed.

One idea that has been on the College agenda since early 1970 is the publication of a College-wide newspaper. In the absence of an academic base and adequate financing, earlier attempts to establish such a paper had been aborted. However, it is now felt that the timing is correct and that the climate of acceptance is positive; therefore, resources in the form of personnel and finances have been made available to establish such a newspaper. It will accept submissions from students, faculty, and staff; and, where applicable, from the public at large.

In essence, the newspaper will be "competitive." It will strive for an acceptable level of journalistic integrity that should evoke participation through submission of articles and a high degree of readership within the College community.

I want to repeat, as well as to re-emphasize, that our major focus is and shall remain the student, and we shall continue to make every effort to keep "the student at the centre." By this, we mean at the centre of our concern.

In last year's Calendar message, I relayed on behalf of College Council, faculty, and staff the assurance that our administrative thrust (from the selection of faculty to the development of resources and the deployment of funds) will be constantly examined in the sometimes controversial but ever-important light of educational goals as opposed to administrative convenience or expediency. I have been asked to reiterate this statement of policy, and to remind you that to be successful in keeping the "student at the centre," we do need student participation on various committees within the College.

We can look forward to an exciting year in the College development. The opportunities available to all of us to significantly influence the future of the college will never be greater.

Sincerely,

George C. Wootton
Principal

DOUGLAS COLLEGE COUNCIL

1975 — 1976

MR. J. P. DAEM	<i>Appointee, Provincial Government</i> <i>Chairman</i>
MRS. H. L'ESTRANGE	<i>Appointee, Provincial Government</i> <i>Vice-Chairman</i>
MRS. A. BROWN	<i>Appointee, Provincial Government</i>
MRS. H. CASHER	<i>School District No. 42 [Maple Ridge]</i>
MRS. P. S. K. CRIBB	<i>Appointee, Provincial Government</i>
MRS. M. M. DOUGLAS	<i>School District No. 35 [Langley]</i>
DR. W. FIDGEON	<i>School District No. 36</i>
MR. F. GINGELL	<i>School District No. 37 [Delta]</i>
MR. T. W. HALL	<i>Appointee, Provincial Government</i>
MR. W. H. JANZEN	<i>School District No. 40 [New Westminster]</i>
MR. WM. JOHNSTONE	<i>School District No. 43 [Coquitlam]</i>
MRS. N. A. KIRK	<i>Appointee, Provincial Government</i>
MR. C. J. MURNANE	<i>School District No. 41 [Burnaby]</i>
MRS. M. E. SPEERS	<i>School District No. 38 [Richmond]</i>
MR. J. H. SUTHERLAND	<i>Appointee, Provincial Government</i>

EXECUTIVE OFFICERS

DR. G. C. WOOTON	<i>Principal</i>
MR. M. H. MORFEY	<i>Bursar</i>
MR. WM. L. DAY	<i>Dean of Curriculum</i>
DR. D. A. PORTER	<i>Dean of Instruction</i>

Proposed Calendar of Events

1975 - 76

- April 1 DEADLINE to apply for limited-enrolment career programs for Fall, 1975.
- Aug. 1-29 ORIENTATION of new faculty.
- Aug. 5- 8 & 11-15 PRE-REGISTRATION for returning part-time and fulltime students.
- Aug. 15 DEADLINE for application for fall semester (for priority at registration). No further applications will be received until September 4th.
- Aug. 18-22 PRE-REGISTRATION FOR:
A. All returning students
B. New students whose applications were completed prior to August 1st.
- Aug. 26 to Sept. 3 No re-registrations received.
- Aug. 30 LAST day to receive 100 per cent refund on preregistered courses.
- Sept. 2 ORIENTATION day for new students.
- Sept. 3-4 REGISTRATION DAYS
Sept. 3: All returning students who did not pre-register; and all students whose applications were submitted by the August 15th deadline.
Sept. 4: All new students who have not applied by August 15.
- Sept. 5 ADMISSIONS office closed.
- Sept. 8 ALL day and evening classes begin.
Late registration begins (\$10.00 late fee to register).
Course changes begin.
- Sept. 19 LAST day to late register, to add a course, or to drop a course without receiving a W on transcript, or to receive an 80 per cent refund.
- Sept. 22 ADMISSIONS office closed.
- Oct. 8 LAST day to receive a 50 per cent refund.
LAST day to receive ANY refund.
- Oct. 13 THANKSGIVING DAY holiday.
- Oct. 27 MID-SEMESTER reports.
- Oct. 31 LAST day to apply for graduation in January, 1976.
- Nov. 1 DEADLINE to apply for limited-enrolment career programs for spring semester.
- Nov. 3 LAST day to challenge a course.
LAST day to drop a course.
- Nov. 10 REMEMBRANCE DAY holiday.
- Dec. 5 LAST day to completely withdraw.
DEADLINE to apply for spring semester (for eligibility to pre-register).
- Dec. 8-12 PRE-REGISTRATION for currently enrolled students.
- Dec. 12 DEADLINE to apply for spring semester (for priority at registration). No further applications will be accepted until January 14th.
- LAST DAY OF CLASSES.
- INTERIM TRANSCRIPT grade forms due in Douglas College Admissions Office for students applying for admission to SFU for spring semester.
- Dec. 15-19 EXAMINATION WEEK — NO CLASSES.
PRE-REGISTRATION for currently enrolled and new students who applied by December 5th.
- Dec. 19 LAST DAY of semester.
- Dec. 25-26 CHRISTMAS HOLIDAYS
- Dec. 29 GRADES DUE
- Dec. 31 LAST DAY to receive 100 per cent refund on preregistered courses.
- 1976
- Jan. 1 NEW YEAR'S DAY holiday.
- Jan. 5 - 7 COLLEGE DEVELOPMENT DAYS.
- Jan. 12 ORIENTATION DAY for new students.
- Jan. 13-14 REGISTRATION DAYS
Jan. 13: All returning students who did not pre-register; and all students whose applications were submitted by the December 12th deadline.
Jan. 14: All new students who have not applied.

- Jan. 15 ADMISSIONS OFFICE closed.
ALL day and evening classes begin.
- Jan. 16 LATE REGISTRATION begins (\$10.00 late fee to register).
COURSE CHANGES begin.
- Jan. 29 LAST day to late register, to drop a course without receiving a W on transcript, or to receive 80 per cent refund.
- Jan. 30 ADMISSIONS OFFICE closed.
- Feb. 16 LAST day to receive a 50 per cent refund.
LAST day to receive ANY refund.
- Feb. 27 LAST day to apply to graduate in May.
- March 5 MID-SEMESTER reports.
- March 10 LAST day to challenge a course.
LAST day to drop a course.
- April 1 DEADLINE TO APPLY FOR LIMITED-CAREER PROGRAMS FOR FALL SEMESTER.
- April 9 INTERIM TRANSCRIPT grade forms due in Douglas College Admissions Office for students applying for admission to SFU for the summer semester.
- April 16-18 EASTER HOLIDAYS.
- April 23 LAST DAY OF CLASSES.
- April 26-30 EXAMINATION WEEK — NO CLASSES.
- April 30 LAST DAY OF SEMESTER.
- May 3-5 COLLEGE DEVELOPMENT DAYS.
- May 10 GRADES DUE.
- May 13 GRADUATION.

GENERAL INFORMATION

ENQUIRIES

Enquiries relating to admission and registration should be addressed to:

THE DIRECTOR OF ADMISSIONS
DOUGLAS COLLEGE
NEW WESTMINSTER B.C.
V3L 5B2
or
TELEPHONE 588-6404

Personnel are located on each campus to assist you with admissions, records, and financial aid matters:

SURREY — 588-6404
NEW WESTMINSTER — 521-4851 (Local 270)
RICHMOND — 273-5461

The campus addresses are:

NEW WESTMINSTER — 8th Avenue & McBride Boulevard
SURREY — 9260 - 140 Street
RICHMOND — 746 Elmbridge Way

HOW TO APPLY

- a) Complete the Application for Admission form, available at any one of the three campuses and at senior secondary schools in the College region. Return the completed form to the Director of Admissions at the above address.

Note: Your application cannot be processed unless all questions on the form are answered.

- b) Your application should be accompanied by official transcripts from secondary schools and any institution of higher education you have attended. All transcripts and other documents filed in support of your application become the property of the College and will not be returned. Original documents which are irreplaceable should not be sent; certified copies of the original will be accepted. Confirmation of admission status cannot be given until all documents have been submitted.

ACCEPTANCE OF APPLICATION

Official notification of acceptance will be issued by the Director of Admission by mail only.

Douglas College's primary responsibility is that of serving the educational needs of students who reside within the College region. If you live within the region, you will be given priority for acceptance.

WHEN TO APPLY

- April 1 Last day to apply for limited-career programs for fall semester. These are:
- Child-Care Services Program
 - Day-Care Worker/Supervisor Program
 - Fashion Design Program
 - Interior Design Program
 - Graphic and Communication Arts Program
 - Health Services
- August 15 Last day to apply for fall semester for priority consideration at registration
- November 1 Last day to apply for limited-career programs which commence in spring semester
- December 13 Last day to apply for spring semester for priority consideration at registration

GRADUATION REQUIREMENTS

To meet graduation requirements, you must complete the required course work for a particular College diploma or certificate program, including electives.

Required course work for most university-transfer programs and the General Studies Program includes 60 semester credits. You may select courses from any of the broad areas of the humanities, social sciences, natural sciences, English, and communications. Graduation requirements for particular career and music programs are contained in each of the career-program descriptions.

COLLEGE DIPLOMAS

When you complete the requirements of a two-year (four-semester) program, you are eligible to receive a Douglas College diploma.

COLLEGE CERTIFICATES

When you complete a special program of less than two years' duration, you are eligible to receive a Douglas College certificate.

Note: A formal application for graduation must be made within the first eight weeks of your final semester. Graduation application forms are available at the Admissions Office on each campus.

ADMISSIONS INFORMATION

ACADEMIC QUALIFICATIONS

You are eligible for admission if you meet **ONE** of the following criteria:

- a) You have completed B.C. secondary-school graduation on any program, or the equivalent from another school system; **or**
- b) You are deficient in not more than one course for B.C. secondary-school graduation, or the equivalent from another school system; **or**
- c) You are 19 years of age or older on the first day of the current semester; **or**
- d) You have not been in regular daytime attendance at school for at least one year.

If you do not meet one of the above requirements, you are eligible to apply for admission as a "special" student. Applications for admission as a "special" student will be reviewed by the Admissions and Appeals Committee.

RESIDENCE REQUIREMENTS

Douglas College is operated primarily for qualified residents of the eight school districts (Burnaby, New Westminster, Coquitlam, Langley, Delta, Surrey, Maple Ridge, Richmond) which compose the College region. If you live outside the College region, you may be admitted on a space-available basis.

You qualify as a resident for most programs if:

- a) You are under 19 years of age, reside inside or outside the College region on the first day of the current semester, and your parents or legal guardians have been municipal taxpayers within the College region for at least three months;
- b) You are 19 years of age or over on the first day of the current semester, are a municipal taxpayer in the College region, or have been a resident of the College region for at least three months before the current semester.

If you are applying for a limited-enrolment career program (Day-Care Worker/Supervisor, Child Care, Fashion Design, Interior Design, Graphic and Communication Arts, Health Services), you must qualify as a resident on or before the last day to apply for these programs.

If your resident status is in question, you may be required to provide documentary or other proof to obtain admission.

MATURE-STUDENTS ADMISSION

Douglas College has a commitment to the adult student, whether full-time or part-time. If you are 19 years of age or older on the first day of the current semester or if you have been out of school for at least one year,

and have not completed B.C. secondary-school graduation (or its equivalent from another school system), you may still qualify for admission to Douglas College. Experience and training related to the courses you wish to take will be evaluated in assessing your application. The College will endeavor to provide courses appropriate to your interests, background, and goals. Depending on your education and experience, you may be advised to take courses offered by an adult-education division in our constituent school districts before being admitted.

STUDENTS FROM OTHER COUNTRIES

If you are a student from another country and have landed-immigrant status, you are eligible for admission to Douglas College. (You are considered a landed immigrant if you have obtained a Canadian Immigration Identification Card No. IMM 1000.) Landed immigrants must also meet the College's residency requirements stated above. Since the language of instruction is English, those not proficient in both written and oral English may be ineligible for admission to certain courses and should consult the Student Development Centre.

TRANSFER CREDIT FROM OTHER INSTITUTIONS

If you have attended a recognized post-secondary institution, or if you have undertaken special training in a career area, you may be eligible to receive some advanced credit toward a Douglas College diploma or certificate. Advanced credit implies a reduction in the number of semester credits you must earn to qualify for a certificate or a diploma.

You may transfer up to a maximum of 30 semester credits toward a 60-credit Douglas College diploma, or up to 50 per cent of the number of semester credits required for a Douglas certificate. Transfer credits granted will be indicated in your letter of acceptance and recorded on your permanent record. To receive transfer credit you must submit official transcripts and a request for assessment of transfer credit along with your application for admission.

Douglas College cannot accept responsibility for the transferability of courses not completed at the College. If you have been granted transfer credit at Douglas and plan to transfer to a particular university following attendance at Douglas, you should consult with that university's admissions staff. If you have registered at a university and wish to attend Douglas on a university-transfer program, you should consult with the university registrar's office regarding transfer of credit upon returning to that university.

CHALLENGE CREDIT

As a Douglas College student, you may obtain credit by challenging a course. This means undertaking written or oral examinations, or both, as well as other types of evaluation on the content of a specific course. In examining a student who has challenged a course, more than one faculty member will be involved at the department level. Examinations may be in the form of written work, a tape recording, a video tape record, or a movie film. The examination results will be filed by the department for permanent reference.

To challenge a course, you must make a formal application on the official Petition Form (obtainable from the Student Development Centre or from the Admissions Office on each campus) and return it to the Director of Admissions. (If you have audited a course or previously registered for a course in any way you may not challenge that course.) Your application will be referred to the department chairman, who will determine your eligibility. If your application is disallowed, it will be returned to you with an appropriate explanation; if it is allowed, you must pay a fee of \$10 to the Admissions Office. The examination and evaluation procedures will be set by the chairman (or his delegate) and a faculty member or members teaching the subject. They will be responsible for the final assessment after you have completed the testing procedure. If you do not obtain a mark of C or above, this will be noted and the Director of Admissions informed. The failure will not be entered on your College transcript.

If you obtain a mark of C or above, the Director of Admissions will be notified and the mark and credits will be entered on your College transcript. If you are registered in a university-transfer program, you are advised to check with the university to which you will transfer regarding the acceptability of "challenge credit" for transfer purposes.

To obtain permission to challenge, you must indicate how you have acquired the knowledge and skills required of the course you intend to challenge. You must be registered as a full-time or part-time student for the semester in which the challenge application is made.

You may challenge a maximum of three semester credits in any one semester, with a maximum of 12 semester credits being allowed to challenge for any two-year diploma program, or a maximum of six semester credits for any one-year certificate program. In some career programs, the maximum of 12 semester credits may be challenged in one semester.

Application for permission to challenge must be made within the first eight weeks of classes in any semester.

ADVANCED PLACEMENT

Douglas College recognizes that many of its students should be granted formal recognition for knowledge and skills already acquired. Advanced placement involves permission for you to omit introductory or prerequisite courses on a given program, but it presumes that you will still have to complete the required total number of semester credits for a certificate or a diploma. You will, however, increase your total number of optional credit hours of instruction.

The decision to grant advanced placement rests primarily with the teaching department. Application may be made directly to the department chairman, or to the Director of Admissions who will refer it to the department concerned. The chairman and one appropriate faculty member from his department will evaluate each applicant's knowledge and skills, and then notify the Director of Admissions if a recommendation

for advanced placement can be made. Your application must be submitted on the authorized Petition Form.

INTERVIEWS

In some cases, interviews may be required as part of the admission process, particularly in career programs. An audition is required for admission to the music programs.

LIMITED ENROLMENT

The College may be obliged to limit enrollment in certain programs or courses, and may cancel or revise any of those listed. Courses listed in the course descriptions section of this Calendar are the complete offerings, although not all of them are available in every semester.

MEDICAL EXAMINATION

A medical examination is not required for admission to the College. However, if you have a medical condition which you feel the College should know about, please provide this information to the Admissions Office.

A medical examination is required for students who are accepted into the Day-Care Worker/Supervisor Program, the Child-Care Worker Program, and the Nursing Program.

FEES

Unless otherwise authorized, fees are payable in full upon registration. If your fees are to be paid by an agency, a letter to this effect is required upon registration.

TUITION FEES

Full-time students (taking 12 or more semester credits); each semester	\$100
Part-time student (taking fewer than 12 semester credits); cost for each semester credit	\$ 9
Senior citizens (taking fewer than 12 semester credits); cost for each semester credit	\$ 3

STUDENT ASSOCIATION

Student Association fee (full-time students); each semester	\$ 5
Student Association fee (part-time students); each semester	\$ 3

Student Association fees must be paid by all students except those who are registered for audit courses only.

Proceeds of these fees are used by the association to provide activities for both full-time and part-time students. These activities are decided by the students; the fees, which are set by the association representatives and approved by the College Council, are considered part of the registration

LIMITED-ENROLMENT PROGRAM FEES

Fees for limited-enrolment career programs must be paid within two weeks of issuance of notification of acceptance.

The normal College refund policy will be followed in cases of cancellation of acceptance. The date from which refunds will be calculated will be the date of issuance of acceptance. Details on this policy will be stated in the letter of acceptance.

OTHER FEES

Challenge fee	\$ 10
Late registration fee — all students	\$ 10
Re-instatement fee	\$ 10

Equipment fees: In certain courses you may be required to pay equipment fees and will be so advised at registration.

TUITION FEE REFUNDS

Refunds are calculated from the day on which the withdrawal form is submitted to the Admissions Office. Tuition fee refunds will be based on the number of semester credits from which you withdraw.

Note: Refunds will not be processed or evaluated until six weeks after the beginning of the semester to allow sufficient time for file processing.

Student Association and late registration fees will not be refunded.

SCALE OF REFUNDS FOR COMPLETE WITHDRAWAL

- Withdrawal within 14 days of the beginning of instruction — (Sept. 8-19, or Jan. 15-29) — 80 per cent of tuition fee;
- Withdrawal between the 15th and 30th days from the beginning of instruction — (Sept. 22-Oct. 8, or Jan. 29-Feb. 16) — 50 per cent of tuition fee;
- Withdrawal after the 30th day from the beginning of instruction — (Oct. 8 or Feb. 16) — no refund.

SCALE OF REFUNDS FOR COMPLETE WITHDRAWAL FROM LIMITED-ENROLMENT CAREER PROGRAMS

- Withdrawal within 14 days of issuance of acceptance — 80% refund;
- Withdrawal between 15 and 30 days of issuance of acceptance — 50% refund;
- Withdrawal after the 30th day of issuance of acceptance — no refund.

This scale of refund will apply to all students accepted for limited enrolment career programs whether withdrawal occurs before or after registration.

SCALE OF REFUNDS FOR COURSE REDUCTION

If you reduce the number of semester credits you are taking within 14 days of the beginning of instruction (Sept. 8-19, or Jan. 15-29), you may receive full refund of the difference between the adjusted tuition fees and the tuition fees paid at registration. No refund will be made for course reduction after 14 days.

REGISTRATION INFORMATION

To register, you must have submitted an Application for Admission form and have received a Certificate of Eligibility to Register from the Admissions Office. This certificate will indicate the time, date, and place for you to register.

If you satisfactorily complete a semester at Douglas, you will automatically receive another Certificate of Eligibility to Register from the Admissions Office before you re-register; you do not have to re-apply. Should you not receive this, please contact the Admissions Office before registration. Students who do not satisfactorily complete a semester at Douglas may be placed on academic probation or be asked to withdraw.

Department chairmen, program co-ordinators, and counsellors will be available before registration to help you to plan your course selection. Counsellors are available on all three campuses:

NEW WESTMINSTER — 521-4851
SURREY — 588-4411
RICHMOND — 273-5461

PRE-REGISTRATION

Approximately one month before the spring and fall semester begin, an early registration will be held (by mail or in person) for all returning full-time and part-time students. This period will last approximately three weeks, after which time no registrations will be received until the regular registration period.

Instructions regarding pre-registration will be mailed with the Certificate of Eligibility to Register. Only those students who received these instructions by mail are eligible to pre-register.

REGISTRATION

You *must* complete your registration in person.

The College staff will assist in every possible way to ensure that you are registered for course in which you are interested. If you plan to transfer to another institution after attendance at Douglas, the Admissions and Counselling personnel will assist in planning for such transfers.

Please note: Ultimate responsibility for the accuracy and completeness of your timetable of courses and registration rests with you. You cannot receive credit for a course in which you are not properly registered.

New students are required to view an orientation film. New full-time students will be required to participate in a reading and writing survey.

LATE REGISTRATION

You may register late for courses, on a space-available basis, up to two weeks after classes have started. A late registration fee of \$10 is charged.

COURSE CHANGES — DURING FIRST 14 DAYS

If you wish to drop or add a course, or change a section, you must apply to the Admissions Office within two weeks after classes have commenced for each semester. Courses dropped with approval will not appear on your official transcript. You are required, however, to complete a Notice of Change form for any change you make.

DROPPING A COURSE — AFTER 14 DAYS

If you wish to drop a course after 14 days from the beginning of instruction and before 14 days after the mid-term date (Sept. 19 — Nov. 3, or Jan. 29 — March 10), you should apply to the Admissions Office to complete a Notice of Change form. Any courses dropped will appear on your official transcript with a W grading.

COMPLETE WITHDRAWAL

If, after registering, you decide to withdraw, you must fill out a Complete Withdrawal Notice form, obtainable from the Admissions Office. Fees will be refunded only if you follow official withdrawal procedures. You may not withdraw after the last day of class in the semester. Please refer to the Proposed Calendar of Events for the last day to completely withdraw.

CHANGE OF ADDRESS

Please notify the Admissions Office of any change of address so that correspondence and grades may be mailed to you without delay. Changes in telephone numbers and names of persons to contact in emergencies should also be submitted.

ACADEMIC INFORMATION

SEMESTER SYSTEM

The calendar year is divided into three academic terms of approximately 16 weeks. Each semester is a unique entity, with its own registration and final examinations. Students may enter at the beginning of any semester, in most programs, and attend one, two, or three semesters as they wish within a calendar year. However, a very limited number of courses are offered at Douglas College during the summer session.

Semester I — Spring: January to May
Semester II — Summer: Varied lengths
Semester III — Fall: September to December

SEMESTER CREDITS

The standard unit of credit represents a minimum of one hour's instruction a week for each semester. Most college-level courses carry three semester credits, although they may require more than three hours of classroom and laboratory work, seminars, etc. Certain courses have variable credit, i.e. you may register for a particular course and commit yourself to any one of the credit values assigned to it. In selecting the number of credits for which you will register, you should consult with the instructor to determine the amount of work required for each credit value. You must also obtain the instructor's written approval on your registration form.

FULL-TIME STUDENTS

If you register for 12 or more semester credits, you will be considered a full-time student and will be charged a maximum of \$100 tuition fee for each semester.

While the College defines a full-time student as above, some sources of financial assistance require a minimum of 15 semester credits.

PART-TIME STUDENTS

If you register for fewer than 12 semester credits, you will be considered a part-time student and will be charged at the rate of \$9 for each semester credit (\$3 for senior citizen).

AUDITING A COURSE

To audit a course, you must be a registered student. You must apply and register in the normal manner. All fees except the Student Association fee, are charged. Students may visit other classes by obtaining permission of the instructor.

CREDIT FOR STUDENT PROJECTS

Students may obtain College credit for completion of a project of their own choosing, subject to the Curriculum Committee's approval. Interested students should contact faculty to discuss preparation of a submission to the committee. Credit for such projects is given on an individual basis.

COURSE LOAD

A normal course load for a full-time student is 15 semester credits. Some programs may require more than a normal course load. If you are not enrolled in such a program and wish to take more than 15 semester credits in one semester, you must first obtain permission of the Director of Admissions. Normally, a B average will be required before permission to carry extra courses is granted.

Some sources of financial assistance require a minimum course load of 15 semester credits to qualify. If you are in doubt, check with the Financial Aid Officer.

STUDENT RESPONSIBILITY

It is your responsibility to be aware of Policies, Procedures and Deadlines which are in effect during your attendance at the college. This information is printed in this calendar, in the semester class schedule, and in other publications. Questions regarding these matters may be directed to counselling or admissions personnel.

It is also your responsibility to attend classes regularly, to keep your work up-to-date, and to complete assignments as required. Your final grades are based largely on your complete assignments, tests, and class participation.

FACULTY RESPONSIBILITY

Faculty members are available for consultation during posted office hours or by arrangement. They will help in every way possible to make your educational experience at Douglas a successful one.

STUDENT IDENTIFICATION CARDS

Each student is issued a student card at registration. Lost student cards will be replaced by the Admissions Office for a \$2 fee. If you withdraw from the College, your I.D. card must be returned to the Admissions Office with your withdrawal.

COURSE VERIFICATION AND MID-TERM ASSESSMENT

Approximately eight weeks into the semester every student will receive by mail a Course Verification Form listing the courses the student is officially

registered in. The student is required to report any errors or omissions to the Admissions Office by the date indicated on the form. The form may also be used to obtain a mid-term assessment from the instructors.

GRADE INFORMATION

GRADING SYSTEM

The following grading system will apply when evaluating your course work.

Grade	Grade Points	Explanation
A	4	Consistently exceptional work.
B	3	Consistently good work.
C	2	Consistently average work.
P	1	Pass. Course requirements successfully completed. This grade does not permit student to pursue another course for which the graded course was a prerequisite.
N	0	No credit. Student did not meet requirements of the course.
W	Not Calculated	Withdrawn. Student withdrew from course by submitting official withdrawal form before specified deadline.
I	Not Calculated	Incomplete. Course requirements not yet completed. Written arrangements made with instructor to complete requirements, which may include an examination, assignment, term paper, or an undemonstrated skill. The 'I' will be converted by instructor to another grade by the end of the stated time period (maximum of one semester).

GRADE POINT AVERAGE

Grade Point Averages (GPA) will be reported on all transcripts of marks. The "Term GPA" is the sum of the grade points earned in a semester divided by the number of credits taken in that semester. The "Cum GPA" is the sum of the grade points earned in all semesters of attendance divided by the total number of credits taken in all semesters.

"I" (INCOMPLETE) GRADE INFORMATION

The "I" grade is a procedure to assist a responsible student to carry out his commitments and is not intended to encourage a student to procrastinate. It is reasonable, therefore, to expect that it will be infrequently used. Withdrawal procedure may well be far more realistic for many students. Guidelines used are:

- Any "I" mark is subject to review by the department chairman, whose signature is required on the contract. Student applications for "I" grades should be received no later than the deadline for application for withdrawal from a course;
- The following criteria are used by instructors in deciding whether to agree to a contract:
 - Previous work in the course should have been at a reasonably satisfactory level;
 - Student has been prevented from completing requirements by some abnormal circumstance or juxtaposition of other responsibilities, such as embarking on a project whose completion turns out to be more time-consuming than contemplated;
 - An emergency situation such as illness or accident has prevented student from completing one or more of the course requirements.
- A student receiving an "I" grade will be allowed to re-register in the subsequent semester only after an examination of his course load and his "I" contract by a Counselling or Admissions team, or both, at registration. Thus the student must bring his "I" contract to registration along with his statement of marks.
- It is expected that most students will complete their "I" contracts within two to four weeks after they are made;
- There is no limit to the number of "I" grades that a student may carry.

STATEMENT OF GRADES

Every student will receive a statement of grades at the end of each semester. *Note:* All obligations relating to fees, library books, rentals, or borrowed equipment must be met before any statement of grades, transcripts, or diplomas will be released.

Errors and omissions on the statement of grades (or transcript) should be reported immediately to the Admissions Office.

TRANSCRIPTS

At the end of each semester you are attending, you will receive upon request an unofficial transcript of marks obtained in your courses. Since student records are confidential, an official transcript will be issued to

other agencies or officials only upon your written request. If you have not made satisfactory arrangements with the Bursar's Office to meet any outstanding debt to the College, no transcript will be issued.

Application for a transcript should be made at least one week before it is required.

TRANSCRIPT FEES

\$1 for first copy, .50 for each additional copy ordered at same time.

APPEALS AND PETITIONS

It is anticipated that some students will have reason to request changes in academic regulations or program requirements affecting them; also that a student may wish to appeal a decision which affects him personally.

Formal appeals must be made on the Petition Form which is available at the Admissions Office and the Student Development Centre. You will be given the opportunity to appear before the committee, which will review your appeal, to present or defend your case.

Should you wish to appeal a decision, the following steps should be taken:

- a) Discuss your appeal with the instructor, faculty member, department chairman, director, etc., concerned. If appeal is granted, it ends there;
- b) If your informal appeal is not granted, you may submit a formal appeal on the Petition Form to the Admissions and Appeals Committee through the Admissions Office. If formal appeal is denied, it ends there.
- c) In cases involving a change of grade, the appeal may be referred to a faculty committee which will re-evaluate your work. This committee will consist of three faculty members — one chosen by the faculty member concerned; one by the department chairman or his designate; and one by you. Specific guidelines are laid down for this committee by the Admissions and Appeals Committee. The committee's decision will be referred to the Admissions and Appeals Committee for ratification and you will be informed immediately of the final decision.

Petitions and appeals will be heard by a standing committee of the College, consisting of the Director of Admissions (chairman), the Dean of Instruction, one elected faculty representative, and one student representative appointed by the Student Government. In adjudicating a petition and appeal involving a faculty member, that member and his chairman are requested to attend the meeting.

SCHOLASTIC PROBATION

When you register, you are making a commitment to complete your program of courses in that particular semester. Since there will be a considerable demand for admission, you must complete most of your course commitments to retain your eligibility to re-register.

PROBATIONARY STUDENTS

If you do not complete your course commitments in any semester with a Grade Point Average (GPA) of more than 1.50, you may be placed on Scholastic Probation. To have your name removed from the Scholastic Probation list, you must complete your course commitments during your probationary semester with a Grade Point Average (GPA) of more than 1.50. If you do not, you may be considered ineligible to re-register unless you change your program to one in which you have more opportunity for success.

If ineligible to re-register, you may re-apply for admission after missing one semester. Application for re-admission requires a personal interview with a member of the Admissions staff or a counsellor, or both.

SERVICES AND FACILITIES

Douglas College offers a varied selection of educational programs. If you are to choose your courses wisely, the College believes you should be assisted in identifying your interests and aptitudes and in assessing your strengths and weaknesses. You can develop personal initiative and responsibility for planning your future only when you have acquired adequate knowledge about yourself and your goals. Therefore, a wide range of student services is provided to help you achieve maximum benefit from your experience at Douglas College. These include:

FACULTY TUTORIALS

All faculty have been assigned office time to meet with students on an individual or small-group basis. Please consult with faculty members regarding these tutorials.

CAREER INFORMATION

Each career program offers electives of a general or vocational nature so that you may direct your education toward one of several areas of employment. Transfer programs inherently contain a wide selection of subject areas as well as courses. A significant characteristic of a college education is that one may sample various fields, thus helping to direct one toward a specific career. Work experience after graduation will be of equal assistance.

Douglas College services will assist you in your choice of a career, but no service will provide an easy or final answer. The library offers extensive book and other materials to help you to learn about various occupations. Faculty members also offer valuable advice in the area of their experience, and special tests are available through counsellors. Seminars and career meetings are held periodically, and representatives of Canada Manpower are available on and off campus to provide career information.

STUDENT GOVERNMENT

Each of the three campuses elects students to a Campus Council. The purpose of such decentralized government is to meet the particular needs and interests of students. Representatives from each of these councils meet regularly with other elected officers as the Douglas College Student Council, so that the interests of the student body as a whole may be considered.

A Student Society constitution has been approved by the B.C. Registrar of Societies, Victoria. The constitution provides the structure within which the Student Council will strive to meet the needs and interests of students in all their College activities. Also, committees have been formed to help in meeting needs relating to athletics, club activities, communications, and social activities. Faculty members assist by taking part in student activities as requested. Provision has also been made for student participation on the various administrative committees.

PROFESSIONAL SCHOOLS

Training in a number of professional areas is offered at the various universities, in some cases at the graduate level. Students interested in specific professions should study the calendar of the appropriate university.

Both UBC and SFU offer programs in education and commerce. UBC has professional training in physical education; recreation; fine arts (art, music, theatre); agriculture; applied science; engineering; architecture; dentistry; dental hygiene; forestry; home economics; law; librarianship; medicine; rehabilitation; nursing; pharmacy; and social work.

CAMPUS CHOICE

Normally, upon registration, you will be able to choose courses offered at the campus nearest your place of residence. To make maximum use of College facilities, however, some students may be required to attend a campus more distant from their homes. It is anticipated that some students will also find it more convenient to attend a campus other than that in their immediate locality. Every effort will be made to satisfy individual preference, but availability of space at a given campus cannot be guaranteed.

If you plan to move close to one of the campuses to take a particular program, you should first contact the Admissions Office for the latest information on program location. Although many courses are given at all three main campuses, several career programs can be given at only one campus because of the special facilities that are required.

LIBRARY

Full library service is provided at each campus. As a student at any one campus, you may use the library at all three. Since it may sometimes be difficult for you to travel to another campus to obtain a particular item, an interloan service is provided. This means that you may ask for a book at Richmond, for example, and have it delivered from New Westminster. In addition, an interloan scheme between Douglas College and SFU is in operation, through which you may obtain copies of periodical articles from that university.

The College library has more than 60,000 books and 1,100 periodicals, plus pamphlets, maps, records, slides, motion pictures, etc. All materials (except magazines) are available on each campus. Magazines are not available on interloan between campuses, but a substantial collection is available at each. At times of heavy demand, other materials may be available on reserve or short-term loan only.

When you register, you may obtain a library handbook which explains how to use the library to best advantage. Orientation programs are also designed to help you; they include library tours, class lecture, and a full two-credit, one-semester-long course offered at registration.

Since the variety of services available in the library may be confusing (ranging from the use of a film projection room to a clippings file, from study carrels to assistance with term papers, etc.), please do not hesitate to ask the library staff for assistance.

COLLEGE BOOKSTORE

Full bookstore facilities are available on Surrey and New Westminster campuses. At present, only ordering facilities are available at Richmond. The bookstore supplies all textbooks (except those provided by the library) and accepts special orders for other books. It also maintains a collection of paperback editions, slide rules, briefcases, notebooks, loose-leaf refills, art supplies, stationery, and College T-shirts. The bookstore also buys some used texts.

CAFETERIA

Limited cafeteria services are provided on each campus.

PARKING

See back cover.

HOUSING SERVICES

Since Douglas is considered a commuter college for students in the eight school districts it serves, no residences are maintained. The Admissions Office provides a listing of available accommodations, but makes no recommendations regarding their quality and does not enter into any disputes between landlords and tenants.

CONTINUING EDUCATION PROGRAMS

Our many Continuing Education programs and courses make Douglas College available to the adult community in the College region. They are designed to be appropriate, convenient, and attractive to the part-time mature student.

COLLEGE CREDIT PROGRAMS

These programs lead to certificates and diplomas in the career and university-transfer fields on a part-time basis. Most Douglas programs are available to the part-time student, many of them being available day and evening, on and off campus. Telephone the office of the Director of Continuing Education Programs for details.

COMMUNITY, PUBLIC AFFAIRS, AND SPECIAL-INTEREST COURSES AND ACTIVITIES

These are developed with the assistance of organizations, groups, and individuals, and may be offered in co-operation with school district adult-education departments in our College region. Contact the office of the Director of Continuing Education Programs for current information.

AVAILABILITY OF STUDENT SERVICES

All services are available to both daytime and evening students.

For information, phone the Director of Continuing Education Programs, Surrey Campus — 588-4411.

DOUGLAS COLLEGE INSTITUTES

The Douglas Institutes provide a means of co-ordinating the resources of faculty, students, and the College community into both structured and non-structured programs. These contribute to a better understanding of crucial problem areas often excluded from the formal disciplines.

Two of the most important problem areas confronting mankind today are the environment and international relations. Numerous links exist between the two, since population growth, pollution, and conservation are international problems, and because the deep-seated causes of conflict and war are frequently — indeed usually — matters of territory and resources.

It is not enough to simply touch on these problem areas in the course of traditional studies. We must bring them into proper focus, stress them, and above all insist that whenever possible our work in Douglas is sufficiently practical to be of value to the College community.

Thus the activities of the Institutes are open to all. In addition, they reach out to a wide range of citizens through use of the communications media, public field-study centres, and programs designed as a community service for casual visitors to the campuses.

THE INSTITUTES AND THE INDIVIDUAL

If the individual is to participate fully in a democracy, he must be able to acquire knowledge relevant to the decisions he should make in public affairs. He must also acquire the means of exercising sound judgment. Furthermore, he must be able to contribute to the efforts of society to deal with urgent problems such as those now confronting all of us, both environmentally and in our relationships with others.

Because curricula do not change as rapidly as does the world around them, educational institutions often lack flexibility and become remote from real life. Douglas College Institutes offer the means of linking disciplines and routine courses of formal study to reality. For example, research conducted in courses could be directed toward actual problems in the society and the environment of the College community: assignments written or data compiled by such research could be made available to public and private institutions capable of using them for practical ends.

THE INSTITUTES AS CO-ORDINATORS OF COMMUNITY RESOURCES

The increasing cost of education makes essential the development of a greater co-ordination of land, capital, and human resources. The multi-campus college has an opportunity to locate and develop some of its facilities to serve regional social, educational, and recreational needs. Thus, an environmental study centre can be developed, as an integral part of the College, on public land such as a regional park, thereby providing facilities not only for College students, but also for all school grades and members of the public.

THE INSTITUTES' STAFF AND FACILITIES

Dr. Barry A. Leach Director of Institutes
Brian Lukyn Warden, Serpentine Fen
Margaret McCulloch Stenographer
Ron Tarves Programmer
Chris Johnson Programmer, Outdoor Recreation & Education

COURSES

Each semester the Douglas College Institute of Environmental Studies offers courses in the fields of conservation, recreation, land and water management, and environmental education. These include:

Nature and Ecology Summer Workshop at Reifel Island Migratory Bird Refuge;

Conservation and Outdoor Recreation Education sponsored by the Department of Recreation and Conservation

The Teacher's Role in Outdoor Education

The Natural History of the Fraser Valley

In 1975, the Institute will be expanded into the fields of wildlife management and marine recreation.

For course details, phone the Institute's office, 588-4411 (local 238), or Admissions, 588-6404.

PROGRAMS

Each semester the Institute sponsors conferences, seminars, film and lecture programs on environmental topics.

The "Wildlife for Tomorrow" Conference series is co-sponsored by the B.C. Fish & Wildlife Branch and the B.C. Wildlife Federation.

PUBLIC POLICY

The Institute of Environmental Studies acts as an information centre and supplies copies or summaries of reports and commentaries on environmental and ecological issues within the College region.

INFORMATION BOOKLETS

Edited collections of documents and articles not readily available from other sources are available to College libraries, faculty, and students. The public and institutions may also obtain copies at a small charge to cover printing costs. Topics focus on environmental problems within the Lower Mainland.

"SERPENTINE FEN" — ENVIRONMENTAL STUDY CENTRE

The Institute has obtained the use of part of a 240-acre farm in South Surrey under a five-year agreement with the provincial Fish and Wildlife Branch. The other part is being developed by Ducks Unlimited (Canada) as a Canada Goose Farm. The College is developing its area as a farm and wildlife management project. Students from schools, the College, BCIT, and the universities, may use the area for observations, studies, experiments, and field work. In addition to agricultural and wildlife management projects, the Institute provides accommodation for a warden, a class room containing displays of environmental and ecological information, and a small field laboratory.

THE INSTITUTE OF INTERNATIONAL STUDIES

If the College is to remain relevant to the Community's needs, it must be capable of swift response to the community's need for information on international affairs. It must offer an opportunity for discussion of the implications of events with an understanding of the political, strategic, economic, and social factors involved. In some cases, better understanding can lead to action through United Nations institutions, philanthropic organizations (Oxfam, etc.), or educational institutions — especially since the Lester B. Pearson World College is established on Vancouver Island, and a world university sponsored by the United Nations may be built in Toronto.

PROGRAMS

Each semester the Institute sponsors a number of lectures on international topics. These are available to both students and general public.

COUNSELLING AND STUDENT SERVICES

In the Counselling centre on each campus, numerous services are available to help students to gain the maximum benefit from their College experience. The focus of these services is on assisting students to develop initiative and responsibility for planning their future.

These services include:

COUNSELLING

Vocational Counselling: Identifying and analyzing interests, abilities, goals; developing plans and decision-making strategies.

Personal Counselling: Exploring lifestyles; examining private concerns and worries, interpersonal problems, confusions, personal inefficiencies; discovering strengths.

ACADEMIC/CAREER PLANNING

Assisting students in course planning; providing information about career or program requirements, course loads, transferability and prerequisites.

STUDENT PLACEMENT SERVICE

The Student Placement Office, located in the Counselling Centres, is open Monday to Friday, and provides opportunities for part-time or summer employment. Available job opportunities, both on and off campus, are made known immediately to students registered with the Placement Office. Facilities are also provided for employers to conduct interviews on campus.

CAREER INFORMATION RESOURCES

A resource centre available to students and to the community, providing extensive materials for use in academic and career planning.

Academic planning resources: course descriptions; other college, university and vocational school calendars; transfer guides; apprenticeship programs; private and government training programs.

Files are available containing descriptions of occupations; statistical information regarding employment opportunities in government, corporations, and local industry; salary scales; projections of future needs.

SKILL DEVELOPMENT

Reading and writing assessment, laboratories, tutorials and eight-week credit courses are available in the following areas:

READING DEVELOPMENT (AT FOUR LEVELS)
STUDY SKILLS FOR COLLEGE
WRITING SKILLS
HOW TO WRITE COLLEGE RESEARCH

GROWTH AND DEVELOPMENT

Personal growth and development courses for students who wish to acquire more insight into their behavior, to improve interpersonal communication skills, or to develop greater awareness of their abilities, aptitudes, and interests:

LIFESTYLE PLANNING AND CAREER EXPLORATION
SENSITIVITY, AWARENESS, AND REALITY
INTERPERSONAL COMMUNICATION SKILLS, GROUP PROCESS
HUMAN SEXUALITY

The staff and faculty in the Counselling centres invite students and members of the community to drop in at any time for coffee and a chat. Evening interviews arranged by appointment.

Drop in or telephone:

NEW WESTMINSTER CAMPUS 521-4851 (local 243)
RICHMOND CAMPUS 273-5461 (local 22)
SURREY CAMPUS) 588-4411 (local 267)

FINANCIAL AID

GENERAL INFORMATION

Douglas College has a number of scholarships, bursaries, and loans for which you may apply. To determine your eligibility, study the following descriptions carefully, since they differ in each case. Because negotiations for financial aid are conducted on a continuing basis, the Financial Aid Office should be consulted for the latest information. Should you require assistance with your application, or with interpretation of rules and regulations, contact the Financial Aid Office on the New Westminster campus, or telephone 521-4851.

Governor General's Silver Medal

A silver medal, presented by His Excellency the Governor General of Canada, is awarded annually to a Douglas College student. Although no monetary value is attached to the award, it is considered the highest academic honor the College can bestow. Normally, it is awarded to the student who, in the opinion of the Selection Committee, has attained the highest academic standing in the graduating year.

B.C. High School Boys Basketball Association Scholarships

These are awarded to successful applicants proceeding from grade 12 to a full course at any university in B.C., or at any other institution of higher learning within the province, which is approved by the BCHSBBA directors. To be eligible for consideration an applicant must:

- Have demonstrated proficiency in basketball;
- Have obtained a C average or equivalent scholastic standing;
- Have good qualities of character and leadership.

Applicant's "need" will be a primary consideration of the committee. He must apply in writing to: The Secretary, BCHSBBA, 1300 East 29th Avenue, Vancouver, B.C. Applications must be received not later than June 1. Three letters of reference must accompany each application: one from the principal of applicant's school; one from a member of the high-school staff other than the team coach; and one from a person who knows the applicant well and will estimate his qualities of character, leadership, and participation in community activities.

Certified General Accountants Association of British Columbia — Continuing-Education Tuition Scholarship

The CGAA offers a Continuing-Education Tuition Scholarship of \$250 once each calendar year. This is awarded, on the recommendation of the College, to a student in the Business Division who is enrolling in the CGAA Financial Management study course. Written application must be submitted to the Financial Aid Officer, New Westminster campus, by the last day of lectures in the spring semester. A personal interview may be required.

Douglas College Student Society Scholarships

The Douglas College Student Society has made available five scholarships of \$100 each. These are to be awarded to selected students who entered Douglas College in the fall 1974 semester, upon graduation from any senior secondary school in the College region.

To apply, send a personal letter of application outlining your achievements in secondary school and your educational goals, to: Financial Aid Officer, Douglas College, P.O. Box 2503, New Westminster, B.C., V3L 5B2. Enclose with your application a statement of marks obtained in your grade 12 program. The deadline for application is August 1, 1975.

Awards are made to successful applicants upon registration at Douglas in any full-time program.

Douglas College Women's Association Scholarship

This fund provides an award of \$100 each semester under the following conditions:

- The proceeds must be applied to tuition fees;
- To be eligible, the student must:
 - Be a full-time female student who has maintained a C average or better;
 - Be a resident of the College region;
 - Have a financial need.
- The recipient will be selected by the Financial Aid Officer of Douglas College, to whom applications should be made in writing.

British Columbia Athletic Awards

Twenty-five awards of \$500 each are made to B.C. students attending, or planning to attend, a designated post-secondary educational institution in B.C. Applicants must show evidence of athletic ability and performance, leadership, character, and scholastic achievement.

Apply in writing, outlining athletic and scholastic achievements. A supporting letter from the head of the athletic department of the student's secondary or post-secondary institution, and one from a prominent sports leader in the community, must be sent direct to the following address. The athletic director should attach a statement of athletic achievements and leadership participation.

Apply before June 1 to: The Chairman, British Columbia Physical Fitness and Amateur Sports Fund Committee, Parliament Buildings, Victoria, B.C.

B.C. Hospital Employees Union Local 180 — Scholarships

Scholarships are available to sons and daughters of members of BCHEU Local 180. For the academic year, two scholarships of \$350 and three of \$250 are available to students proceeding from grade 12 to a full program of studies in any field leading to a degree or a diploma at one of B.C.'s four universities, Selkirk College, Vancouver Community College, BCIT, or Douglas College.

To be eligible an applicant must:

- Be the son or daughter of an active member of the union, or the son or daughter of an active member as of January 1, 1973 who has since been superannuated;
- Write the government scholarship examination conducted in June by the Department of Education, and obtain clear standing and an over-all average of not less than 70%;
- File with the Dean of Inter-faculty and Student Affairs, UBC, a letter indicating the student's parental connection with Local 180, and complete the Douglas College bursary form. This form will be sent to the candidate on receipt of the letter and must be returned not later than July 15.

Scholarships are awarded to the candidates who, in the opinion of the university or college (in consultation with Local 180), are best qualified in terms of academic standing and financial need. Candidates should note that their intention to write government scholarship examinations must be filed with the Department of Education, Victoria, B.C. through the school principal before June 1.

Institute of Chartered Accountants of British Columbia Scholarships

A \$100 bursary is available to a full-time student of Douglas College completing first year of the Business Program, and who is proceeding to second year or to a university, has a good record in the accounting courses completed, has maintained a second-class standing over-all, has financial need, and is interested in entering the accounting profession. The head of the Business Program, or the Registrar, shall make the selection.

Interior Designers Institute of B.C. Scholarships

The Interior Designers Institute offers a scholarship of \$350 to students taking a full-time course in interior design. Applications must be made before the final two weeks of the spring term. Details of requirements and application procedure are available from Interior Design Program instructors or the Financial Aid Office.

Langley Anglican Theological Scholarship — Donated by Miss Hilda Jude

A \$150 scholarship is awarded to a graduate of Langley (or Aldergrove) Secondary School who is or will be enrolled in any Anglican or United Church theological college. Selection is made by the Langley Scholarship Selection Committee on the basis of scholarship, extra-curricular activities, church and community interests, and need. Applicants need not have written departmental examinations, but preference may be given to those who have. Final selection is subject to the approval of Miss Hilda Jude.

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship Guidance Committee, on or before June 15. The scholarship is awarded upon winner's acceptance by an Anglican theological college. If no suitable applicant in the current year, the scholarship will be awarded in a subsequent year. If more than one applicant in any year, the scholarship is divided, or it may be awarded to the most deserving candidate.

Langley Memorial Hospital Medical Staff Scholarship — Donated by the medical staff of Langley Memorial Hospital

This \$200 scholarship is awarded to a graduate of Langley (or Aldergrove) Secondary School proceeding to first year in the Faculty of Medicine at UBC or equivalent university. Selection is made by the Langley Scholarship Selection Committee on the basis of scholarship, high moral force of character, and need. Applicants need not have written departmental examinations, but preference may be given to those who have.

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship Guidance Committee, on or before June 15. The scholarship is awarded upon winners's acceptance at UBC or equivalent university. If no suitable applicant in the current year, the scholarship will be awarded in a subsequent year. If more than one applicant in any year, this scholarship may not be divided but is to be awarded to the most suitable candidate. If the winner is subsequently awarded an equivalent or a better scholarship from a source outside the fund, this scholarship may revert to the next most suitable applicant.

Langley Pharmacists' Scholarship — donated by the pharmacists of Langley city and municipality

A \$100 scholarship is awarded to a graduate of Langley (or Aldergrove) Secondary School proceeding to first year in the Faculty of Pharmacy at UBC or equivalent university, or proceeding from any year in the Faculty of Pharmacy to the next year in that faculty. Selection is made by the Langley Scholarship Selection Committee on the basis of scholarship, high moral force of character, and need. Applicants need not have written departmental examinations, but preference may be given to those who have.

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship and Guidance Committee, on or before June 15. The scholarship is awarded upon winner's acceptance at UBC or equivalent university. If no suitable applicant in the current year, the scholarship will be awarded in a subsequent year. If more than one applicant in any year, the scholarship may not be divided but will be awarded to the most suitable candidate. If the winner is subsequently awarded an equivalent or a better scholarship from a source outside the fund, this scholarship may revert to the next most suitable candidate.

W.A. McLennan Scholarship

Five scholarships of \$300 each are awarded to graduates of Langley (or Aldergrove) Secondary School proceeding from grade 12 to a recognized university, technical institute, vocational school, junior college, senior matriculation, school of nursing, or other approved training school. Selection is made by the Langley Scholarship Selection Committee on the basis of general scholastic efficiency, high moral force of character, ability to co-operate with others, and financial need. In the case of a student proceeding to the study of forestry, with other determining qualities being equal, preference is given to such an applicant. Applicants need not write departmental scholarship examinations.

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship Guidance Committee, on or before June 15. The scholarship is awarded upon winner's acceptance at an approved educational institution. If there are not five suitable candidates in the current year, one or more of the scholarships will be awarded in a subsequent year. If there are more than five applicants in the current year, the scholarship may not be divided but is to be awarded to the five most suitable candidates. The winner of one of these five scholarships may be awarded additional scholarships from other sources and still retain this award.

Hockey Canada Scholarships

Hockey Canada was established in 1969 as a result of recommendations of the task force on sports. The scholarship program is designed to encourage young men to pursue two equally important fronts: post-secondary education and the development of proficiency in hockey. The field of study is not restricted, and is at all levels of post-secondary education. Award value is \$2,000, there being a minimum number of 10 scholarships annually. The duration is for four consecutive years or until a university-degree or a community-college diploma is obtained, whichever is sooner, providing the student has established continuing eligibility with respect to academic and hockey progress.

Scholarships are open to candidates with outstanding hockey ability who are Canadian citizens; or who have held landed immigrant status for at least one year and have graduated, or are about to graduate, from a secondary school with an average of at least 65 per cent in the year of graduation; or who are presently enrolled, or have been enrolled, in a post-secondary institution. Scholarships are tenable throughout Canada at any university or college which is a member, or is affiliated with a member, of the Association of Universities and Colleges in Canada having a viable hockey program.

Deadline for applications is April 30. For more information and application forms, contact: Director of Awards, AUCC, 151 Slater St., Ottawa 4, Ont.

Premier's Athletic Award

Five awards of \$1,000 each are made to B.C. students attending, or planning to attend, a designated post-secondary institution in B.C. Applicants must show evidence of athletic ability and performance, leadership, character, and scholastic achievement.

Apply in writing, outlining athletic and scholastic achievements. A supporting letter from the head of the athletic department of the student's secondary or post-secondary institution, and one from a prominent sports leader in the community, must be sent direct to the following address. The athletic director should attach a statement of athletic achievements and leadership participation. Apply before June 1 to: The Chairman, British Columbia Fitness and Amateur Sports Fund Committee, Parliament Buildings, Victoria, B.C.

Nancy Greene Scholarships

Five scholarships of \$500 each are awarded annually to students who apply and who best combine the following qualifications:

Eligible students are those currently registered in a senior secondary school (including independent and private schools), or registered in any recognized college preparatory program in B.C., who plan to pursue an educational program at any post-secondary educational institute in B.C.

Applicants must show evidence of:

- 1) Good school and community citizenship;
- 2) Leadership and character;
- 3) Scholastic achievement;
- 4) Athletic ability and performance.

How to Apply:

- 1) Address a letter of application, outlining your achievements and educational goals, to the Scholarship Selection Committee, c/o The Deputy Provincial Secretary, Parliament Buildings, Victoria, B.C., postmarked not later than June 1;
- 2) Applicant should request his school principal and one other prominent individual in the community to send a confidential supporting letter direct to the Scholarship Committee. The principal should attach a statement of grades or marks, in addition to a statement certifying athletic and other participation;
- 3) Applicant may request the governing body of his sport to submit a testimonial letter.

Applications are reviewed by a selection committee comprising representatives from the British Columbia Amateur Sport Council and the Department of Education. Scholarships are available to successful applicants upon proof that they have been accepted by the institution concerned and have registered, providing they are not in receipt of a similar or other major award of \$500 or more.

MacMillan Bloedel Scholarships

Eleven scholarships of \$500 each, 10 in British Columbia and one in Saskatchewan, are offered by MacMillan Bloedel Limited. The B.C. awards available are: one in each of School Districts 65 (Duncan-Cowichan), 67 (Ladysmith-Chemainus), 68 (Nanaimo), 69 (Qualicum), 70 (Alberni), 79 (Ucluelet-Tofino), 48 (Howe Sound), 85 (Vancouver Island North), and two in School District 47 (Powell River). The B.C. scholarships are open to students graduating from secondary school and proceeding to studies at recognized institutes of higher learning in B.C. Awards are made on the basis of academic ability and potential leadership as indicated by achievements in grades 11 and 12, and by participation in school activities. Further information is obtainable from the Financial Aid Officer, or see below.*

MacMillan Bloedel Special Scholarships

Ten scholarships of \$500 each are available annually to sons and daughters (or legal dependants) of employees serving any MacMillan Bloedel Limited division in North America. Because the majority of employees work in B.C., it is expected that most scholarships will be awarded in this province. However, the diversity of the company's operations makes it possible for awards to be made in other provinces and in the United States. These scholarships are open to students graduating from secondary school and proceeding to studies at recognized institutes of higher learning in B.C. Awards are made on the basis of academic ability and potential leadership as indicated by achievements in grades 11 and 12, and by participation in school activities.

*Application forms, which must be submitted by May 31, are obtainable from the manager or personnel supervisor at each operating division of the company; or from the Secretary, Scholarship Committee, MacMillan Bloedel Limited, 1075 West Georgia St., Vancouver, B.C.

The Brian Nybeck Memorial Medical Scholarship — Donated by Mr. and Mrs. J.I. Nybeck

A \$100 scholarship is awarded to a graduate of Langley (or Aldergrove)

Secondary School proceeding to second year in the Faculty of Medicine at UBC or equivalent university. Selection is made by the Langley Scholarship Selection Committee on the basis of scholarship, high moral force of character, and need. Applicants need not have written departmental examinations, but preference may be given to those who have.

The scholarship is awarded upon winner's acceptance by UBC or equivalent university. If no suitable applicant in any year, the scholarship will be awarded in a subsequent year. If more than one applicant in one year, the scholarship may not be divided but is to be awarded to the most suitable candidate. If the winner is awarded an equivalent or a better scholarship from a source outside the fund, this scholarship may revert to the next most suitable candidate.

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship Guidance Committee, on or before June 15.

Regular Officers Training Plan [ROTP]

This plan combines university subsidization with career training as an officer in the Regular Component of the Canadian Forces. Successful candidates are enrolled in the rank of officer cadet, and are required to maintain a good academic and military standing while in the plan. All tuition and other essential fees are paid by the Department of National Defence. In addition, the officer cadet receives an annual grant of \$125 for books and instruments, and is paid \$255 a month for personal and living expenses. Free medical and dental care is provided. Annual leave (30 days plus travel time) with full pay and allowances may be granted each year, usually after the summer training period. On graduation, the officer cadet is commissioned to the rank of lieutenant.

Reserve Officer University Training Plan [ROUTP]

In contrast to the ROTP, this plan carries no service obligation. Successful candidates are enrolled in the reserve forces as officer cadets and may be promoted to the rank of second lieutenant after the first year of military training.

The purpose of the ROUTP is to provide military training leading to commissioned rank in the reserves to selected undergraduates attending Canadian universities and community colleges. The plan involves 15 days' training over the winter and up to 16 weeks in the summer.

1974-75 Pay Rates:

RANK	DAILY RATE	MONTHLY RATE
	Winter Training	Summer Training
Officer Cadet	\$13.00	
2nd Lieutenant	\$13.00	\$405.00
Lieutenant	\$16.90	\$591.00

Enrolment standards include: Canadian citizen, aged 17-22 (exceptions possible); married or single; medically fit; must be enrolled in an undergraduate program as a full-time student (university-transfer program in community colleges).

Approved institutions in the Greater Vancouver area are:

Capilano College, North and West Vancouver
Douglas College, New Westminster, Surrey, Richmond
Simon Fraser University, Burnaby
The University of British Columbia, Vancouver
Vancouver Community College, Vancouver

Participating armed forces units in the Lower Mainland are:

British Columbia Regiment (Armoured), 620 Beatty St., Vancouver
15th Field Regiment (Artillery), 2025 West 11th Ave., Vancouver
HMCS Discovery (Navy), Stanley Park, Vancouver
Royal Westminster Regiment (Infantry), 1650 Burrard St., Vancouver
6th Field Squadron (Engineers), 1513 Forbes St., North Vancouver
Vancouver Service Battalion (Service Corps, Security, Ordnance Medical), 4050 West 4th Ave., Vancouver

Enquiries and applications should be directed to the Commanding Officer of the Armed Forces Reserve Unit.

Vancouver Sun Regional College Entrance Scholarships

The Vancouver Sun offers three annual scholarships of \$250 each to students proceeding in the fall from grade 12 to first year at a regional college in B.C. in a full program of studies (two consecutive semesters or equivalent) in courses leading to a university degree. Applicants must have been Vancouver Sun carriers for at least two consecutive years and must write the scholarship examination conducted in June by the Department of Education. Scholarships are normally awarded to the three qualified applicants who rank highest in these examinations, but standing obtained in other subjects may also be considered (and will always be considered in the event of a tie).

A winner who ranks in the top 10 per cent in the college he has attended, and who proceeds to second year with the same college in a full program of studies leading to a university degree, will be granted a renewal in the same amount. A winner who, after completing one or two years of college, transfers to a full course of studies at a public university in B.C., and who ranks in the top 10 per cent, at the time of transfer, among the students of his year in the college, will qualify for a further scholarship of \$500. For continued attendance at a university, he may then be eligible for up to two further renewals until obtaining his first undergraduate degree. Renewal each year is conditional upon ranking in the top 10 per cent in the year and faculty in which he is registered.

Candidates must apply on the General Application form, obtainable from and returnable by May 15 to: Scholarship Office, Room 207, Buchanan Building, The University of British Columbia, Vancouver, B.C. The application must be accompanied by a Vancouver Sun carrier service certificate.

Simon Fraser University Regional College Entrance Scholarships

Scholarships ranging in value from \$175 to \$300 are available to students entering SFU from regional, junior, or community colleges. Consideration is given to students who have completed one or two years' study at such institutions and have maintained a high academic average on a full course load, and who have been recommended for the scholarship by the college from which they are transferring. Only students who are proceeding to further university studies within a year of the completion of one or two years' study at the regional college level are eligible. Apply to: Financial Aid Officer, Simon Fraser University, Burnaby, B.C., during the first three weeks of lectures of each semester.

Vancouver Police Force Scholarships

Scholarships of \$250 each have been established to assist promising and deserving children of members of the Vancouver Police Force to continue their studies at SFU, UBC, or Douglas College beyond the level of secondary school. Academic standing and financial need are taken into consideration. Application forms may be obtained from: The Secretary, Vancouver Police Force Scholarship Committee, 312 Main St., Vancouver, B.C. Applications, together with the required accompanying letter, must be returned to the secretary not later than June 30.

Alex Woykin Memorial Scholarships

This \$100 scholarship is awarded to a graduate of Langley Secondary School proceeding from any year in the Faculty of Engineering at UBC or equivalent university, or proceeding from any year in the Faculty of Engineering to the next year in that faculty. Selection is made by Langley Scholarship Selection Committee on the basis of scholarship, high moral force of character, and need. Applicants need not have written departmental examinations, but preference may be given to those who have.

Apply to: The Chairman, Langley Secondary-School Scholarship Guidance Committee, on or before June 15. The scholarship is awarded upon winner's acceptance at UBC or equivalent university. If no suitable applicant in the current year, the scholarship will be awarded in a subsequent year. If more than one applicant in the current year, the scholarship may not be divided but is to be awarded to the most suitable candidate. If the winner is subsequently awarded an equivalent or a better scholarship from a source outside this fund, this scholarship may revert to the next most suitable candidate.

Amalgamated Construction Association of B.C. — Construction Management Bursary

Available to students entering the third semester of the Construction Management Program and awarded annually by the College in consultation with the donor. To be eligible, an applicant must have satisfactory academic standing and financial need. A written application, indicating financial need, must be submitted to the Financial Aid Officer, Douglas College, by April 1. A personal interview may be required.

B.C. Indian Arts and Welfare Society

Two bursaries of \$150 each are awarded annually by the B.C. Indian Arts and Welfare Society in memory of Canadian Indians who gave their lives in either world war. Native Indian applicants must be from the province of B.C. and be planning to enter one of the established universities or colleges in B.C., or some recognized technical school or other training centre. The award is made by the Executive Committee of the B.C. Indian Arts and Welfare Society.

If no application is received from a student entering first year of university, the bursary may then be awarded to a student enrolled in any of the senior years.

A written application should be received no later than August 15 by: The Honorary Secretary, B.C. Indian Arts and Welfare Society, c/o The Provincial Museum, Victoria, B.C.

B.C. Provincial Government Financial Awards and Assistance Program

The government of the Province of British Columbia has several programs of Financial Assistance for students undertaking studies in designated Post-Secondary Educational Institutions for 1975/76. The Department of Education will again sponsor a program providing a combination of funds incorporating the Provincial GRANT and the Canada Student Loan Programs.

A student in need of a Canada Student Loan must, as a first step, obtain an application form from the institution he or she plans to attend. The application must be completed carefully and accurately by the student, and where applicable, by his parents. Applications require declarations by both the student and his or her parent that all information provided is correct.

A detailed brochure describing the program will be available at your institution.

Cominco Higher Education [Entrance] Bursaries

Cominco Limited offers annually two classifications of one-year awards to children of employees who, upon completion of secondary school, register in an institution of higher education. Class 1 awards in the amount of \$500 are made to those who obtain 86 per cent or better standing in their

secondary-school leaving course. Class 2 awards of \$350 are made to all student sons or daughters of employees who obtain an average between 73 per cent and 86 per cent. For details and application forms, write to: The Secretary, Educational Awards Committee, Cominco Limited, Trail, B.C.

The Grand Lodge Masonic Bursaries

The Grand Lodge of Ancient Free and Accepted Masons of British Columbia offers annual bursaries of from \$200 to \$400 each to sons, daughters, and legal wards of active members of Masonic Lodges in B.C., or of deceased members who at the time of death were active members. The purpose of these bursaries is to assist students who, otherwise lacking financial aid, might find it impossible to continue their education.

Winners are selected by the university from among applicants having satisfactory academic standing, and who are beginning or are continuing undergraduate studies at UBC, SFU, UVic, BCIT, or a regional college, in a full program leading to a degree or a certificate in any field. Preference is given to applicants entering the university or college from grade 12, and to undergraduates in second-year studies.

To qualify for consideration, a candidate must obtain an application form from UBC's scholarship and bursary office. The completed application, which must be received by the university not later than July 15, must be accompanied by a letter from the lodge secretary verifying the applicant's parental association with the Masonic Order. Since a special committee considers the applications, those who wish to apply for other bursaries must submit a separate application. Each application must be accompanied by a transcript of the student's academic record at the institution most recently attended. If the grade 12 transcript is not immediately available, it must be forwarded at the first opportunity.

Gyro Club of New Westminster Bursary

This bursary of \$200 is awarded to a full-time student who has been a resident of New Westminster for at least five years. For details and application requirements, contact the Financial Aid Officer, Douglas College, New Westminster campus.

Independent Order of Foresters — Court Royal City 718 - Bursaries

Four \$100 bursaries are available to members, or to sons or daughters of members, of Court Royal City 718, Independent Order of Foresters, for post-secondary education. Application forms obtainable from and returnable by May 1 to: The Court Secretary, Mr. Fred Hockey, 439 East 8th Ave., New Westminster, B.C.

Independent Order of Odd Fellows — Joint Bursary

Three \$100 bursaries are available annually to assist students who are undertaking a full-time post-secondary education. These are provided by the Grand Lodge, Rebekah Assembly, and the Grand Encampment of the Independent Order of Odd Fellows of British Columbia. Applicants must have direct connection with one or more branches of the Order through parents, grandparents, or close relatives. Special consideration is given to financial need.

Details and application forms are obtainable from the secretary of any Odd Fellows or Rebekah Lodge, IOOF. Applications should be submitted to the appropriate lodge by May 1, and must be sponsored by an Odd Fellows Lodge, a Rebekah Lodge, or an Encampment.

John B. MacDonald Alumni Bursaries

The Alumni Association of UBC is offering 10 bursaries of \$350 each to students entering UBC for the first time from a regional college. It is expected that at least one award will be available to each college. Selection of students is based on eligibility to enter the university; academic standing; and, particularly, financial need.

A student must be registered for a full program of studies leading to a degree in any faculty. Application form obtainable from and to be submitted to: The Scholarship and Bursary Office, Room 207, Buchanan Building, The University of British Columbia, Vancouver, B.C., not later than July 15.

Each student nominated by the principal of a college (maximum of three from any one college) must complete UBC's Application for Bursary form. This form, accompanied by a letter of nomination from the principal and a transcript of the student's college studies taken to date, must then be forwarded to UBC. The principal's letter will indicate whether the student is first, second, or third choice of the college, and will provide further relevant information to assist the committee in selecting the 10 winners.

Merrill C. Robinson Bursary Fund — Sponsored by the CNIB

This fund is sponsored by the Canadian National Institute for the Blind in memory of Merrill C. Robinson, MEB, LL.D., for his long service to the blind. It is administered by a special committee of the CNIB Divisional Board, and used to assist blind students attending any university or college (other than UBC) within the B.C.-Yukon Division. Awards are made only to those who show ability and promise. Applications must be received by the CNIB, 350 East 36th Ave., Vancouver, by July 31.

The Royal Canadian Legion [Pacific Command] — Bursaries and Scholarships

The Royal Canadian Legion (Pacific Command) offers annual awards for students proceeding from secondary school, college, or university, as well

as for students entering second, third, or fourth years. Scholarships and bursaries are awarded on the basis of academic standing and financial need. Preference is given to sons and daughters of deceased, disabled, or other veterans, although applications from other worthy students are also given consideration. Deadline for applications is May 31. Obtain information from: Pacific Command, The Royal Canadian Legion, 1531 West Pender St., Vancouver, B.C. Unless the application form is completed and the required items are forwarded, absolutely no consideration will be given by the committee.

The Royal Canadian Legion [Pacific Command] Ladies Auxiliary to Branch No. 4, Chilliwack — Bursaries

Two bursaries of \$150 each are offered to graduates of Chilliwack secondary schools proceeding to an institution of higher education. Preference is given to sons and daughters of veterans. Applicants must demonstrate financial need and academic ability. Forms and information are obtainable from: The Secretary, Ladies Auxiliary, The Royal Canadian Legion, Branch No.4, 45468 Crescent Drive, Chilliwack, B.C.

Vancouver Foundation Bursaries

The Vancouver Foundation aids students who present evidence of sound academic achievement or promise and who have financial need. If you meet these criteria, the Foundation invites the following:

- a) A detailed biographical letter outlining the circumstances of your life, including extra-curricular activities, employment, savings, and awards or other funds for higher education; and such other information that would help a committee to assess your abilities, potentialities, and need;
- b) A complete current transcript, including the present scholastic year, if available;
- c) Names of two references, one of whom should be an educator who is acquainted with your latest academic work.

A personal interview is an important part of the selection procedure. If you reside in Vancouver, or are studying in the metropolitan area, telephone the Vancouver Foundation for an appointment within one week of making application. For others, local interviews are arranged in the spring at various locations in the province, but it is the responsibility of the applicant to consult with the Douglas College Financial Aid Office regarding time and place. Those who do not make an appointment as prescribed above must arrange for a personal interview at the Vancouver Foundation Office.

For the convenience of applicants, personal interviews are held at or near the College before the end of the academic year. Therefore, application should be submitted by April 1 to: The Bursary Committee, Vancouver Foundation, 1105 West Pender St., Vancouver, B.C. Final date of applications is July 15, with awards to be announced in August and payable in September. Consideration may be given at other times to applicants commencing studies in either the spring or summer semester.

Vancouver Municipal and Regional Employees Union Bursary

A bursary of \$300 is available annually to members of the union, or to the sons, daughters, or legal dependants of members who, at the time the award is made, have held membership in the union for at least two years.

The award will be made by the College; in consultation with the union, to a qualified member who is beginning or continuing full-time enrolment at Douglas College.

The award is based on financial need and academic standing in previous studies. For further information, contact the Financial Aid Officer at the New Westminster campus.

Hockey Canada Bursaries

Douglas College students may apply for Hockey Canada Bursaries. Application form and information may be obtained from: Hockey Canada, P.O. Box 278, Toronto-Dominion Centre, Toronto, Ont.

LOANS

B.C. Youth Foundation Loans

The B.C. Youth Foundation was established in 1946 by a donation from the late Joseph A. McKercher. An additional bequest has since been received from the E.S. Winn estate. Interest-free loans are made to bona fide B.C. residents to a maximum age of 30. Loans may be used for fees, books, or a monthly allowance to assist with living expenses when the applicant is not residing at home. Students eligible for government loans should first apply to that source. The Foundation loan is designed not only for college and university education, but also for students completing grade 12 or studying in technical or vocational fields. An adult guarantor is usually required.

Applicants should have an aptitude for their chosen field of study and show promise of a reasonable chance of success. They should contribute some of their own money to the cost of their education when possible.

Please note: To determine eligibility for B.C. Youth Foundation Loans, contact the Financial Aid Office, Douglas College, New Westminster campus. If you appear to meet the requirements, you will be referred to the Vancouver School Board, 1595 West 10th Ave., Vancouver, for an interview.

Government of Canada Student Loans Plan

This federal government plan assists students who otherwise would be unable to pursue full-time post-secondary studies. The maximum loan for an academic year is \$1,400. Total loans to any student cannot exceed

\$9,800. A loan of up to \$700 may be authorized for a single semester that is part of a longer program of study.

Borrowers are required to repay principal and interest by regular monthly instalments. Payments commence six months after the borrower ceases to be a full-time student. No payments need be made while the borrower is a full-time student, nor for six months thereafter. Interest for this period is paid by the federal government on behalf of the student.

Student need is determined by provincial loan authorities in accordance with criteria established for use throughout Canada. A parental contribution table is an integral part of the criteria and is applied in all cases where the student has not established financial independence as defined in the Canada Student Loans Plan.

It is expected that students will save a portion of any summertime earnings toward continuing their education.

Loan recipients should carefully consider the repayment obligation being undertaken. A loan applicant must, as a first step, obtain an application form from the institution that he plans to attend, and complete it carefully. Declarations are required from both the student and the parent that all information therein is correct.

The application is then submitted to the financial aid officer of the educational institution to be attended. Students planning to attend an institution outside B.C. must send applications to: Student Affairs Branch, Division of Post-Secondary Services, Department of Education, Parliament Buildings, Victoria, B.C.

Langley 5¢-\$1.00-Store Loans

Awarded to a graduate of Langley (or Aldergrove) Secondary School proceeding from grade 12 to UBC or equivalent university, or to a recognized training or vocational school, or to a junior college. Selection is made by the Langley Scholarship Selection Committee on the basis of scholarship, extra-curricular activities, high moral force of character, community interests, and financial need. Applicants are not required to write departmental examinations.

The amount available is \$400 (Langley \$200 — Aldergrove \$200).

Apply to: The Chairman, Langley (or Aldergrove) Secondary-School Scholarship Guidance Committee, on or before June 15. The loan is awarded upon the graduate's acceptance by UBC or equivalent university, a recognized training or vocational school, or a junior college. If no suitable applicant during the year, the loan will be awarded in a subsequent year. If more than one applicant in any year, the loan may not be divided but is to be awarded to the most suitable candidate. The full amount of the loan will be repaid to the Langley Scholarship Fund under the following conditions:

- The loan is interest free and is not repayable during the period of education;
- The loan must be repaid not later than two years following the winner's completion of his education;
- Repayment arrangements are to be made with the Langley Scholarship Bursary Committee.

New Westminster Women of Rotary — Loans

Small loans may be made available to assist women students in emergency situations. Applicants should contact the Financial Aid Officer, Douglas College, New Westminster campus, to arrange for an interview.

SPECIAL FINANCIAL ASSISTANCE

Health Branch — Division for Aid to Handicapped

Students who are disabled and receiving medical attention, and who wish to attend Douglas College, may be eligible for financial assistance from the Division for Aid to Handicapped. Such assistance must, however, be part of a rehabilitation plan approved by the division and may not be requested as a bursary or a scholarship. For information regarding eligibility, write to: The Director, Division for Aid to Handicapped, P.O. Box 4020, Station D., Vancouver, B.C.

P.E.O. Educational Fund

The P.E.O. Educational Fund will assist women students who are high-school graduates and who can be recommended by a local chapter of the P.E.O. Sisterhood. Applications for loans may be submitted at any time during the year.

For details, contact the Douglas College Financial Aid office, New Westminster campus.

University Women's Club — Surrey/Langley Special Fund

This fund is open to students experiencing special financial difficulties not covered by scholarships, bursaries, or loans. It is particularly designed to assist women with small children who are seeking retraining through Douglas College programs. For information regarding eligibility, contact the Douglas College Financial Aid Officer, New Westminster campus.

PROGRAM DESCRIPTIONS

CAREER PROGRAMS

Accounting

Normally, there is a steady demand for accountants with professional qualifications. The Douglas College accounting program provides some of

the training needed to enter this field. It also matches the content and standards of various courses offered by the Certified General Accountants Association, the Society of Industrial Accountants, and certain requirements of the Institute of Chartered Accountants.

Successful completion of this diploma program could result in exemption of about one-half of the academic program leading to the RIA and CGA designations. As course requirements for the CGA and RIA programs change, corresponding alterations may be made to the Douglas College program.

Should you have questions regarding your specific career requirements, please contact the College's Counselling Centre.

SEMESTER I

Course	Descriptive Title	Credits
ACC 110	Accounting Principles	3
BUS 330	Business Mathematics	3
BUS 320	Business Law I	3
COM 110	Communications	3
	Elective	3

SEMESTER II

ACC 210	Accounting Principles II	3
BUS 420	Business Law II	3
ACC 240	Electronic Data Processing	3
BUS 430	Business Statistics	3
	Elective	3

SEMESTER III

ECO 311	Principles of Economics I	3
ACC 340	Information Systems	3
ACC 310	Accounting Theory I	3
ACC 320	Cost Accounting I	3
	Elective	3

SEMESTER IV

ACC 420	Cost Accounting II	3
ACC 410	Accounting Theory II	3
ECO 411	Principles of Economics II	3
BUS 350	Personnel Practices	3
	Elective	3

Electives may be chosen from any discipline.
Examples of options in the business area are:

BUS 340	Basic Business Finance	3
BUS 210	Management Essentials	3
BUS 170	Office Systems and Equipment I	3
BUS 270	Office Systems and Equipment II	1½
BUS 451	Industrial Relations	3

Business Management Diploma Program

Because many students desirous of preparing for business careers do not at the outset of their studies have well-defined career objectives, the Douglas College Business Management Diploma Program has been designed to provide maximum flexibility in their choice of options.

The program requires completion of 60 credits of specified and elective course work. The content of the first and second semesters, which is common to all options, provides a basic introduction to the business environment and to underlying principles and practices of business. It is expected that during these initial semesters students will be able to define their goals and identify the areas of business that particularly interest them. Accordingly, upon entering their third semester, students must select one of five program options covering major functional areas of business: Financial Management; Office Management; Personnel Management; Retail Management; Sales Management.

Upon successful completion of the required two years of studies, students will be awarded the Diploma of Associate of Arts in their area of specialization.

Career Options after the second semester:

FINANCIAL MANAGEMENT

The finance industry is one of the rapidly growing service sectors of the economy. Challenging and rewarding career opportunities are offered by such financial institutions as chartered banks, trust companies, credit unions, mortgage loan companies, finance companies, and investment dealers. Additionally, financial management is a vital function in all enterprises — large, medium, and small — in both the private and public sectors.

This program option is designed to prepare graduates to enter this important field and advance to responsible positions.

OFFICE MANAGEMENT

This program option should appeal to students who may be undecided on their ultimate career choice but who wish to acquire sufficient background to enable them to assume responsible positions in a variety of office situations: e.g., commercial, professional, retail. Building upon the first-year core courses, the emphasis during the second year is on accounting, electronic data processing, and personnel administration.

PERSONNEL MANAGEMENT

Human resources constitute the most important element in the effective functioning of any organization — private or public. The Management of human resources within an organizational framework is a demanding task.

This program option assists graduates to prepare for careers in the personnel area, or to acquire the necessary background to assume positions at the supervisory level.

RETAIL MANAGEMENT

This program option prepares graduates to enter the merchandising field at the selling level with sufficient background to advance to supervisory positions. The emphasis of the third semester is on work experience entailing 300 to 400 hours in a retail outlet. The College will assist students in this work placement.

SALES MANAGEMENT

The sales and marketing field is of steadily increasing importance in the modern economy. The aim of this program option is to prepare the student for a career in this growing area. It will help the graduate to assume a direct sales and marketing role with companies, and provide the background necessary to progress toward managerial positions.

It should be noted that the sales practicum in the third semester requires actual sales experience. It is the student's responsibility to meet this requirement.

Semesters I and II provide the required courses for all program options.

SEMESTER I

Course	Descriptive Title	Credits
ACC 100	Introduction to Accounting	3
MKT 120	Basic Marketing	3
BUS 100	Business in Canada	3
BUS 170	Office Systems and Equipment I	3
COM 110	Career Communications	3
		<u>15</u>

SEMESTER II

Course	Descriptive Title	Credits
ECO 100	Fundamentals of Economics	3
ACC 200	Bookkeeping and Payroll Accounting	3
BUS 201	The Business Professions	1½
BUS 210	Management Essentials	3
BUS 270	Office Systems and Equipment II	1½
ACC 240	Electronic Data Processing	3
		<u>15</u>

Note:

- Students leaving the College upon successful completion of semesters 1 and 2 will be awarded a Certificate of Business upon request.
- Students considering a career in professional accounting should refer to the Douglas College Accounting Program brochure.

PROGRAM OPTIONS

			Financial Mgt.	Office Mgt.	Personnel Mgt.	Retail Mgt.	Sales Mgt.
SEMESTER III							
In this semester, 12 credits of business subjects are required as indicated under the program option headings. A further 3 credits of electives are required, and these may be selected from any of the College course offerings.							
Course	Descriptive Title	Credits					
ACC 340	Information Systems	3			X	X	
MKT 350	Dynamic Selling	3					X
MKT 390	Marketing Management	3					X
MKT 310	Sales Workshop	1½					X
MKT 383	Sales Practicum	1½					X
MKT 381	Work Experience (300-400 hours)	1-12					X
BUS 320	Business Law 1	3	X	X	X	X	X
BUS 330	Business Mathematics	3	X				
BUS 340	Basic Business Finance	3	X				
BUS 341	Personal and Consumer Finance	3	X	X			
BUS 350	Personnel Practices and Administration	3		X	X		
BUS 351	Organizational Behavior	3			X	X	
	Elective	3	X	X	X	X	X

PROGRAM OPTIONS

			Financial Mgt.	Office Mgt.	Personnel Mgt.	Retail Mgt.	Sales Mgt.
SEMESTER IV							
In this semester, 12 credits of business subjects are required as indicated under the program option headings. A further 3 credits of electives are required. These may be selected from any of the College course offerings.							
Course	Descriptive Title	Credits					
MKT 401	Advertising	3					
MKT 410	Sales Management	3				X	X
MKT 490	Retail Management	3				X	X
BUS 430	Business Statistics	3				X	
BUS 440	Security Analysis and Investment	3	X				
BUS 441	Money and Financial Institutions	3	X				
BUS 442	Credit and Collections	1½	X				
BUS 450	Supervisory Management	3	X	X		X	X
BUS 451	Industrial Relations	3		X	X	X	X
BUS 452	Organizational Administration	1½		X	X		
BUS 453	Personnel — Evaluation and Research	1½		X	X		
BUS 454	Wage, Salary, and Benefit Administration	1½				X	
BUS 470	Douglas College — Business Simulation Game	1½	X	X	X	X	X
	Elective	3	X	X	X	X	X

Business Management Certificate Program

The Douglas College Business Management Certificate Program is designed to serve the needs of adult part-time evening students who are actively engaged in the professional and business communities.

The program consists of two parts, each requiring completion of 15 credits of course work. Part 1 provides a background in both management and the necessary fundamentals of business to enable the student to specialize in one of five business-option areas that constitute part 2. These are: Financial Management, Office Management, Personnel Management, Retail Management, Sales Management.

Students who have completed formal course work in the business management discipline at other institutions may, upon application, be granted up to a maximum of 15 transfer credits subject to evaluation of their official transcripts by Douglas College.

Upon successful completion of this program, students are awarded the Business Management Certificate.

PROGRAM CONTENT

Part 1 Required: 15 credits consisting of the following specified courses:

Course	Descriptive Title	Credits
ACC 100	Introduction to Accounting	3
ECO 100	Fundamentals of Economics	3
BUS 210	Management Essentials	3
BUS 320	Business Law	3
COM 110	Career Communications	3
		<u>15</u>

Part 2 Required: 12 credits of specified business courses as indicated under the option headings, and 3 credits of elective course work.

PROGRAM OPTIONS

			Financial Mgt.	Office Mgt.	Personnel Mgt.	Retail Mgt.	Sales Mgt.
Course	Descriptive Title	Credits					
ACC 200	Bookkeeping and Payroll Accounting	3		X			
BUS 270	Office Systems and Equipment II	1½	X	X			
BUS 330	Business Mathematics	3	X				
BUS 340	Basic Business Finance	3	X				
BUS 350	Personnel Practices and Administration	3		X	X		
BUS 441	Money and Financial Institutions	3	X				
BUS 442	Credit and Collections	1½	X				
BUS 450	Supervisory Management	3		X	X	X	
BUS 451	Industrial Relations	3			X	X	
BUS 452	Organizational Behavior	3			X		
MKT 120	Basic Marketing	3					X
MKT 350	Dynamic Selling	3					X
MKT 390	Marketing Management	3					X
MKT 410	Sales Management	3					X
MKT 490	Retail Management	3				X	X
	Elective	3	X	X	X	X	X

Note:

1. The elective may be chosen from among any of the credit course offerings of the College.
2. Students whose background and needs might be more adequately met by a selection of courses different from those above should refer to the Business and Administration division for the planning of their program.

Child Care Worker Program

This one-year certificate program prepares men and women for employment as child-care workers in a variety of settings and programs. Some of them provide 24-hour care, while others provide individualized care to children and/or adolescents, and their families, on a one to one basis. These settings and programs provide care for children and/or adolescents with various needs and disabilities, and may include reception centres; group homes; treatment centres; institutions; student residences operated by the Department of Indian Affairs; and individualized one to one relationships with children and/or adolescents, and families having identified needs.

The program begins only in the fall semesters and combines theoretical knowledge and practical field experience. The minimum age requirement is 19 and enrolment is limited. The practicum field experience is an integral part of the program. Two days each week, plus one full week each semester, are spent in assigned practicum placements in a variety of child-care settings and programs. Students have a different placement each semester, and have direct involvement with children or adolescents, or both, under guidance and direction from staff personnel and in consultation with a field instructor.

Core subjects studied each semester are: child care practice, administration and organization, practicum field placement, human relations, communications, and recreational programming.

Core subjects studied each semester are: child care practice, administration and organization, practicum field placement, human relations, communications, and recreational programming. Emphasis is on teaching child care skills and knowledge required to work effectively in daily routines and programs with children and adolescents having unique needs, such as the emotionally disturbed, the delinquent, the retarded, the autistic, and the physically handicapped.

Enrolment Procedure

Prerequisites for enrolment in the Child Care Worker Program are:

- a) Minimum age, 19;
- b) Good physical health;
- c) Ability to demonstrate emotional stability and flexibility in personality attributes;
- d) Submission of a medical certificate verifying good health.

Enrolment in the program is limited. All applicants are interviewed and selection is made on the basis of personal suitability, age, volunteer and employment experience, educational background, and life experience. Should an eligible applicant not be able to enrol, his or her name will be placed on a waiting list for the next fall program.

SEMESTER I

Course	Descriptive Title	Hrs. /Wk.	Credits
COMS 100	Human Relations — Emotional Growth	4	3
COMS 110	Child Care Practice — Introductory	4	3
COMS 121	Child Care Administration — Organization	4	3
COMS 180	Child Care Practicum — two days a week plus one full week (total 16 hours)	6	
COM 110	Career Communications	4	3
PE 100	Recreational Programming for Child Care Worker: Part 1	4	3
HS 130	First Aid during first five weeks		1

The student may add one elective course.

SEMESTER II

COMS 200	Human Relations — Emotional Maturity	4	3
COMS 210	Child Care Practice — Advanced	4	3
COMS 221	Child Care Policies and Procedures	4	3
COMS 280	Child Care Practicum — two days a week plus one full week (total 16 hours)	6	
COM 290	Applied Communications	4	3
PE 101	Recreational Programming for Child Care Workers: Part 2	4	3

The student may add one elective course. The above program may be modified in the light of employment opportunities.

Community-Service Worker

This one-year certificate program prepares the student to function in a wide variety of community settings: social, recreational, educational, and health care. As a para-professional or volunteer, the graduate may function as a community-development worker or give direct services, e.g., teach handicrafts to home-bound handicapped individuals; establish a volunteer bureau; act as a co-ordinator; participate on a survey-type research team. The graduate will have both academic and field-work experiences. The program is individualized to meet the particular interest of each student as far as possible.

SEMESTER I

Course	Descriptive Title	Hrs.-Wk.	Credits
COMS 160	Community Resources	4	3
COMS 161	Social-Service Skills and Methods	4	3
COMS 182	Community-Service Field Work	(2 days)	6
COMS 110	Career Communications	4	3

Recommended Electives

COMS 100	Human Relations — Emotional Growth
PSY 100	Psychology
SOC 125	Sociology

The student may add one elective course. The above program may be modified in the light of employment opportunities.

SEMESTER II

COMS 260	Community-Work Seminar	4	3
COMS 261	Skills — Working in Groups	4	3
COMS 282	Community-Service Field Work	(2 days)	6
COM 290	Applied Communications	4	3

Recommended Electives

COMS 200	Human Relations — Emotional Maturity
PSY 200	Psychology
SOC 135	Sociology

The student may add one elective course. The above program may be modified in the light of employment opportunities.

Construction Management

This program consists of 10 core courses dealing extensively with functions related to the organization and control of a construction project, whether it be a single-family dwelling or a large project. In addition, there are a number of service courses on materials, methods, and applications to the industry that help the student to visualize what is being managed as he studies the core courses.

The two-year program leading to the Diploma of Associate in Technology (A.T.) requires that a student complete both the core and service courses. It is geared to those who have just completed high school and who wish to enter the industry with some managerial training. Graduates should expect to enter the construction industry in a junior capacity, such as that of assistant to an estimator or project supervisor. Promotion to supervisory positions will require considerable work experience. Students wishing to enter this program must have completed academic Mathematics 11 or equivalent.

The 10 core courses are also offered in the evening, and in a two-semester daytime program from September to April inclusive the year following. (eight months). This enables present employees of the industry, whose knowledge of the service-course materials is extensive as a result of job experience, to study the managerial aspects in detail. Successful completion of the core courses entitles the student to the Certificate in Construction Management.

The course content provides a package that both suits the needs of the industry and reflects techniques of profit-making being used today, since the program was set up in consultation with an advisory committee comprised primarily of members of the Amalgamated Construction Association of B.C. By adopting their suggestions and obtaining their approval of every aspect of the program, the College is endeavoring to offer a career program that can lead directly into employment in the industry.

Because those who enter the diploma program may or may not have had any field training in the industry, summer work experience is desirable.

Program Leading to Diploma of Associate in Technology [A.T.]:

SEMESTER I

Course	Descriptive Title	Credits
COM 110*	Career Communications	3
CON 120	Construction Materials and Applications	3
CON 130	Drafting	3
CON 140	Construction Science	3
CON 150	Construction Calculations	3
CON 390	Construction Surveying	3

SEMESTER II

COM 110*	Career Communications	3
CON 200	Introduction to Management	3
CON 220	Construction Materials and Applications	3
CON 230	Construction Blueprint Reading	3
CON 240	Construction Science	3
HS 130	First Aid	1

Note: Because of the enrolment limitation of 15, Com. 111 may be taken in either the first or the second semester.

SEMESTER III

CON 300	Construction Management	3
CON 301	Construction Law and Labor Relations	3
CON 320	Construction Strength and Design	3
CON 360	Construction Estimating	3
CON 330	Building Codes, Permits, Inspections	3
	Option	2-3

SEMESTER IV

CON 400	Construction Accounting and Financing	3
CON 460	Construction Estimating and Bidding	3
CON 490	Structure Types	3
CON 492	Construction Scheduling	3
CON 493	Contract Management	3
	Option	2-3

Program Leading to Certificate in Construction Management:

Course	Descriptive Title	Credits
COM 110	Career Communications	3
CON 200	Introduction to Management	3
CON 400	Construction Accounting and Financing	3
CON 460	Construction Estimating and Bidding	3
CON 492	Construction Scheduling	3
CON 493	Contract Management	3
CON 330	Building Codes, Permits, Inspections	3
CON 300	Construction Management	3
CON 301	Construction Law and Labour Relations	3
CON 360	Construction Estimating	3

Criminology

This program offers courses leading to the Certificate in Criminology and the Diploma of Associate in Arts (A.A.) The certificate program requires the equivalent of one year or two semesters' full-time attendance. The diploma program is a two-year or four-semester program. Both programs may be taken by part-time students.

The program was designed with the advice and assistance of an advisory committee comprising representatives of employing agencies in the field. These agencies have agreed to consider graduates as preferred recruits in law enforcement and corrections, providing that other employer requirements are met.

For full-time students, the program offers a core of required subjects and a full range of electives that may be taken from courses listed in the Calendar. Part-time students also have a wide choice of options, the choice depending on whether the student is employed in a police or a corrections agency.

The program attempts to build a firm base of subjects directly related to law enforcement and corrections, as well as to introduce the student to the foundations of the social sciences. Courses offered in the social sciences are transferable to various Canadian universities; therefore, the classes consist of a desirable mix of full-time students of varying interests and part-time students employed in law enforcement or corrections.

COURSE OF STUDIES

A. A program leading to the Diploma of Associate in Arts:

1. Required courses:
 - COM 110 Career Communications
 - COM 290 Applied Communications
 - CRI 106 Introduction to Criminal Justice System

Note:

 - a) Two other English courses may be substituted for COM 110 and COM 290 with the permission of the program co-ordinator.
 - b) A student employed in the criminal justice system may substitute another course for CRI 106 with the permission of the program co-ordinator.
2. An additional 51 credits (17 courses) are required, of which a minimum of 12 courses must be chosen from the following list. The remaining 15 credits (5 courses) may be chosen from this list or from among any other courses offered by the College.

Course	Descriptive Title	Credits
CRI 101	Probation and Parole	3
CRI 102	Criminal Law and the Offender	3
CRI 103	Community Relations	3
CRI 104	The Prison Community	3
CRI 107	Community Agencies	3
CRI 108	Crime Causation	3
CRI 110	Deviance and Social Control	3
CRI 140	Interviewing	3
CRI 204	Institutional Programs	3
CRI 210	Processes of Criminology	3
CRI 380	Criminology Practicum	3
CRI 381	Comparative Police Systems	3
PSY 100	Foundations of Contemporary Psychology	3
PSY 200	Foundations of Contemporary Psychology	3
PSY 321	Adolescent Psychology	3
or		
PSY 330	An Introduction to Social Psychology	3
or		
PSY 350	Conceptual Frameworks of Abnormal Behavior	3
SOC 125	Social Processes	3
SOC 225	Canadian Social Institutions	3
BUS 109	Supervisory Management	3
POL 105	The Canadian Legal System	3
POL 110	Ideology and Politics	3
or		
POL 120	Canadian Government	3
COM 100	Human Relations — Emotional Growth	3
COM 200	Human Relations — Emotional Maturity	3
COM 300	Skills, Methods, and Techniques	3
COM 400	Problems of Abnormal Behavior	3

B. A program leading to the Certificate in Criminology:

To obtain the Certificate in Criminology, the student must take the same **required** courses as in the diploma program. However, the total number of credits required is 30 (10 courses), of which 24 credits (8

courses) must be taken from the list shown for the diploma program. The remaining two courses may be selected from among any other courses offered by the College.

Day-Care Worker/Supervisor

The expressed need for qualified adults to work with young children in day-care centres and other pre-school facilities has increased significantly in recent years. To meet this need, Douglas College offers a one-year (two-semester) Day-Care Worker Certificate Program which prepares women and men for employment in private kindergartens, nursery schools, and day-care centres.

The program has the approval of the community-Care Facilities Licensing Board, which keeps a registry of those persons who have completed the training requirements as pre-school supervisors in British Columbia.

When applying for a position, a supervisor is required to show proof, in the form of a letter, of registration with the Community-Care Facilities Licensing Board. To obtain this letter, the person who has completed the required training must write to the Community-Care Facilities Licensing Board office in Victoria and request the his or her qualifications be evaluated and a letter of registration be issued. The program focuses on development of the career competence of the graduating student, the theoretical material being closely integrated with the important experience of the field practicum. Students spend approximately 20 hours a week in assigned practicum centres, in direct involvement with young children under the guidance and in-service assistance of the sponsor supervisors and instructors.

Core subjects studied in each semester are: child growth and development; working with children; practicum (field placement); workshop seminar; human relations; communication. Emphasis is on ways of identifying, evaluating, and implementing theories that promote and support the physical and mental health development of children.

Enrolment Procedure and Requirements:

In addition to the normal Douglas College admission requirements, the following specific enrolment conditions also apply to this program: applicants must be in good health, possess appropriate vigor and stamina, and exhibit an adequate level of emotional stability and personality flexibility. A medical report substantiating these qualifications is required.

Age, educational background, and life experience are considered in the selection of candidates. References from two persons (other than relatives) familiar with the applicant's experience in working with young children must be made available at the time of interview.

Enrolment in the program is limited to 20 in each section. Two sections are scheduled each year — one commencing in September and concluding the end of April; the second opening in January and concluding in December, with a four-month summer recess (May-August).

Should space restrictions prevent immediate enrolment of an approved candidate, his or her name will be placed on a waiting list and be eligible to enrol in preparatory courses.

SEMESTER I

Course	Descriptive Title	Hrs./Wk.	Credits
COMS 170	Child Growth and Development — Introductory	4	3
COMS 171	Working with Children — Introductory	4	3
COMS 172	Workshop Seminar — Introductory	4	3
COMS 181	Day-Care Practicum — two days a week (total of 16 hrs.)		6
COMS 100	Human Relations — Emotional Growth	4	3
COM 110	Career Communications	4	3

A student may add one elective course if desired

SEMESTER II

Course	Descriptive Title	Hrs./Wk.	Credits
COMS 270	Child Growth and Development — Advanced	4	3
COMS 271	Working with Children — Advanced	4	3
COMS 272	Workshop Seminar — Advanced	4	3
COMS 281	Day-Care Practicum — two days a week (total of 16 hrs.)		6
COMS 200	Human Relations — Emotional Maturity	4	3
COM 210	Applied Communications	4	3

A student may add one elective course. The above program of studies may be modified in the light of employment opportunities.

Fashion Design and Clothing Technology

This two-year program leads to the Diploma of Associate in Arts (A.A.). A limited enrolment is predicated on annual employment opportunities. New students are accepted in the fall and spring semesters.

The program provides an intensive two-year course of instruction for those seeking careers in the fashion industry. It interprets the employment requirements of the industry in the broadest sense, and aims at satisfying these requirements by providing courses of study related to career opportunities in the following general areas:

- 1) Ready-to-wear manufacture
- 2) Fashion retailing and buying
- 3) Fashion co-ordination
- 4) Couture design and construction
- 5) Costume design

See also Sections 1 & 3

In the first year, the program exposes the student to a basic course of study indigenous to the above areas; in the second year, through a system of options and electives, they specialize in their particular areas of interest.

Considerable demands are placed on the students to develop both professional standards in the manual skills and creativity in the artistic skills. The program simulates an industrial atmosphere by providing relevant equipment, and by demanding punctuality and strict adherence to schedules.

Students are encouraged to take advantage of the extensive resources of the College to further personal development in areas that may or may not be related to fashion.

An interview with the program convenor is essential to approval of the applicant for admittance to the program.

Suggested Electives:

Fashion students are required to take one elective each semester. This additional course can be elected from among the following according to personal need:

- 1) Modelling and Finishing
- 2) Creative Apparel
- 3) Fabric Arts
- 4) Speech (English)
- 5) Applied Communications (English)
- 6) Frontiers of Thought (English)
- 7) Fashion Illustration
- 8) Weaving
- 9) Art History
- 10) Advertising

Sixty-nine credits are required in Option 1 and 65 in Option 2 for a Diploma in Fashion Design.

SEMESTER I

Course	Descriptive Title	Credits
FAS 100	Fundamentals of Pattern Drafting	5
FAS 120	Fundamentals of Fashion Design	5
FAS 130	Fundamentals of Garment Construction	1
FAS 390	History of Costume	3
FAS 140	Fashion Illustration	3
	Elective	1-3
		18-20

SEMESTER II

FAS 200	Fundamentals of Pattern Drafting	5
FAS 220	Fashion Design and Textiles	5
FAS 230	Fundamentals of Garment Construction	3
FAS 370	Fashion Merchandising	3
GRA 240	Fashion Illustration	3
	Elective	1-3
		20-22

SEMESTER III

Option 1 Manufacturing Couture Theatre

FAS 320	Fashion Design and Color Co-ordination	5
FAS 300	Pattern Drafting and Draping	5
FAS 330	Garment and Costume Construction	3
COM 110	Career Communications	3
	Elective	1-3
		17-19

Option 2 Merchandising Business

FAS 320	Fashion Design and Color Co-ordination	5
BUS 100	Introduction to Business	3
MKT 110	Introduction to Marketing	3
COM 110	Career Communications	3
	Elective	1-3
		15-17

SEMESTER IV

Option 1 Manufacturing Couture Theatre

FAS 420	Creative Fashion Design and Textiles	5
FAS 400	Advanced Pattern Drafting and Grading	5
FAS 430	Advanced Garment Construction and Finishing	3
	Elective	1-3
		14-16

Option 2 Merchandising Business

FAS 420	Creative Fashion Design and Textiles	5
MKT 490	Retail Merchandising	3
BUS 110	Introduction to Management	3
	Elective	1-3
		12-14

Fire Science

This program enables the students to work toward the Certificate in Fire Science, gaining special knowledge in two of the fields of fire insurance, fire prevention, fire suppression, fire investigation, and fire-science technology. The objective is to provide persons already connected with the fire science field detailed information relating to their interests.

To complete the certificate requirements, students must complete three core courses: Chemistry of Fire, Survey of Fire Science, and Career Communications. In addition, they will study two courses in an area of personal interest which will channel them into areas of specialization. The program therefore serves the needs of the major areas connected with the fire field by providing courses of study in each.

Since a course lasts one semester, students attend evening classes for a maximum of three semesters to complete the program. Where required, classes are arranged on a swing-shift basis to accommodate shift workers.

Program Leading to the Certificate in Fire Science:

Course	Descriptive Title	Credits
FIRE 100	Chemistry of Fire	3
FIRE 101	Survey of Fire Science	3
FIRE 270	Fire Insurance	3
FIRE 271	Fire Prevention	3
FIRE 272	Fire Suppression	3
FIRE 273	Fire Investigation	3
FIRE 274	Fire Science Technology	3
COM 290	Career Communications	3

Graphic and Communication Arts

This two-year program, leading to the Diploma of Associate in Arts (A.A.), prepares students for a wide variety of positions in advertising and allied areas of the creative arts.

Talent can be little, but it must be accompanied by a capacity for unlimited effort. Skill and dexterity can come only from practice and perseverance in the subject. Technique is but a part of the contemporary artist who needs to acquire knowledge and judgement in many phases of the profession to become a practitioner.

The program provides a foundation of thorough knowledge and skill in the basics, from which one's creative potential can grow and which will stand one in good stead regardless of career choice. The student should possess enthusiasm, a desire to compete, and willingness to give and accept constructive criticism. The courses take a professional approach, solving problems closely related to those found in the field and often working on a deadline basis.

Students must take a common core of first-semester courses to discover their potential and to decide on a career; the second and third semesters provide opportunities to specialize in any one of four related career areas; the fourth brings the student to the level of competency required to enter a chosen career.

Possible career areas include:

Advertising, graphic designer, commercial illustrator, fashion illustrator, layout artist, retouch artist, repro-assembly artist, production assistant, account executive.

Visual merchandising display in retail, industrial, educational, and cultural outlets.

In-plant printing, paste-up and mechanical, lithography, newspaper layout, sign writing, silkscreening, billboards.

Audio-visual, graphic artist, educational, industrial.

SEMESTER I

Course	Descriptive Title	Credits
GRA 100	Basic Drawing	3
GRA 110	Introduction to Commercial Illustration	3
GRA 120	Introduction to Graphics and Applied Design	4
GRA 131	Lettering, Layout, Typography	1½
GRA 135	Introduction to Advertising	3
GRA 150	Introduction to Photography	1½
GRA 155	Commercial Photo Retouching	2

			CAREER OPTIONS				
			Advertising	Repro-Graphics	Audio-Visual	Merchandising	Visual
Course	Descriptive Title	Credits					
SEMESTER II							
GRA 121	History of Graphic Communication	3	X	X	X		
GRA 152	Graphics in A-V Communications	2			X		
GRA 200	Drawing	4	X				X
GRA 210	Commercial Illustration	3	X				X
GRA 220*	Graphics and Applied Design	4	X	X	X		
GRA 231	Lettering, Layout, Typography	1½	X	X	X	X	X
GRA 250	Photo-Graphics	1½		X	X		
MRK 100	Retail Merchandising	3					X
COM 110	Career Communications	3			X		
	Elective	1-3	X	X	X	X	X
	Total credits for semester will vary with elective choice	18½		16	17	16½	
SEMESTER III							
GRA 151	Technology of Graphic Communications	3	X	X	X		
GRA 154	Audio-Visual Technology	3			X		
GRA 300*	Intermediate Drawing and Painting	4	X				X
GRA 310	Intermediate Commercial Illustration	3	X				X
GRA 320*	Intermediate Graphics and Applied Design	4	X	X	X		
GRA 350	Photo-Graphics	1½		X	X		
BUS 120	Introduction to Business	3		X	X		X
COM 110	Career Communications	3		X			X
	Elective	1-3	X	X	X	X	X
	Total credits for semester will vary with elective choice	17		17½	17½	16	
SEMESTER IV							
GRA 136	Visual Merchandising Display	3					X
GRA 154	Audio-Visual Communications	3			X		
GRA 400*	Advanced Drawing and Painting	4	X				X
GRA 410	Advanced Commercial Illustration	3	X				X
GRA 420	Advanced Graphics and Applied Design	4	X	X	X		
GRA 450	Photo-Graphics	1½		X	X		
BUS 110	Introduction to Management	3		X	X		X
GRA 290	Applied Communications	3	X	X	X		X
COM 165	Journalism	3		X	X		
	Elective	1-3	X	X	X	X	X
	Total credits for semester will vary with elective choice	17		17½	17½	18	

MAY BE TAKEN IN PLACE OF Graphics and Applied Design:

- GRA 122* Procedures in Advertising Art (3 credits)
- GRA 222* Procedures in Advertising Art (3 credits)

MAY BE TAKEN IN PLACE OF Drawing:

- GRA 240* Fashion Illustration (3 credits)
- GRA 340* Fashion Illustration (3 credits)
- GRA 440* Fashion Illustration (3 credits)

Interior Design

Courses include drafting, theory of design, color, drawing, residential and commercial interior design, presentation techniques, and furniture construction. Time allocated for electives and field trips. A work-experience session materially assists in eventual job placement, as well as in introducing the student to practical problems of the industry.

A two-year program leading to the Diploma of Associate in Arts (A.A.), Interior Design prepares students for positions in retail and contract sales departments, and in selling interior design services and furnishings. Graduates may find employment in design studios; in paint, fabric, carpet, drapery, and wallpaper outlets; or with manufacturers, distributors, and representatives of office and home furnishings.

Applicants should phone 599-4411 (local 264) for interview appointment. First-semester courses are offered only in the fall. Selected evening courses are available in each semester for students not enrolled in the day program. Registration for evening courses does not imply acceptance for the full-time day program, as normal selection procedures must be followed.

SEMESTER I

Course	Descriptive title	Credits
INT 100	Drawing for Interior Design	3
INT 101	Introduction to Color	2
INT 102	Italian and French Furniture	3
INT 104	Materials of Design	1
INT 110	Theory of Design	2
INT 120	Drafting and Perspective	3
	Elective	1-3

SEMESTER II

INT 200	Drawing for Interior Design	1½
INT 203	English and American Furniture	3
INT 205	Materials for Interior Design	2
INT 210	Theory of Residential Design	2
INT 220	Residential Interior Design	3
INT 221	Rendering and Presentation	1
	Elective	1-3

SEMESTER III

INT 310	Theory of Office Interior Design	2
INT 320	Office Interior Design	3
INT 321	Graphic Presentation	1
INT 380	Interior Design Work Experience	1-5
BUS 112	Business Procedures for Interior Design	3
	Elective	1-3

SEMESTER IV

INT 405	Projects in Interior Design	1
INT 406	Special Projects in Design	2
INT 410	Theory of Hotel-Motel Interior Design	2
INT 420	Hotel-Motel Interior Design	3
INT 421	Graphic Presentation	1
COM 110	Career Communications	3
	Elective	1-3

Marketing

Refer to Business Management program information for details on the following options:

- a) Retail Management
- b) Sales Management

Visual Art

The program is designed to enable the student to acquire a solid foundation in basic skills of the visual arts. Although it has no clearly established job potential, the program is similar in structure to other career programs.

On completion of a two-year diploma program at Douglas, the graduate will have acquired sufficient skill in a wide range of expressive media to continue, by himself or in an institution of further learning, to develop his creative potential, whether for career purposes or self-fulfillment.

On satisfactory completion of the two-year program, the student will receive a suitable diploma from Douglas College.

Selected courses and groups within the program may be applied to university-transfer credit in Fine Arts and Education (see transfer guides). A portfolio accumulate over the two years would be an excellent (and necessary) prerequisite to enter third year at an art school

Although the whole subject is under discussion and nothing has yet been decided, it is possible that credit for many of the individual courses in the proposed core program would be transferable to existing Graphic Art, Interior Design, and Fashion Design programs.

Prerequisites:

The Douglas College "open-door" policy will apply, and any well-motivated student will be accepted after consultation with counsellors and faculty.

Vocational Rehabilitation Counselling (For Practitioners in the Field of Rehabilitation)

Douglas College offers a basic certificate for the completion of the following four core courses, as well as the College certificate for the completion of the core courses and six additional courses (18 credits) at Douglas or another college:

Course	Descriptive Title	Credits
COMS 150	The Vocational Rehabilitation Process	3
COMS 151	Medical Aspects of Vocational Rehabilitation	3
COMS 152	Vocational Rehabilitation Counselling	3
COMS 153	Community Resources and Vocational Rehabilitation	3

This program is held in the evening during the fall and spring semesters, and in the daytime during the summer session.

In developing this program, Douglas College has been materially assisted by the Vocational Rehabilitation Sub-committee of the British Columbia Panel for the Guidance of the Handicapped.

GENERAL STUDIES

The General Studies Program at Douglas College has been designed as an alternative to both the career and university-transfer programs. It enables the student to design a framework for studies independent of occupational or university-transfer requirements.

Students may select any course(s) in the Calendar in which they are particularly interested and for which the prerequisites are met. Only some of the courses offer transfer credit to a university, to BCIT, or to a professional society. Students will qualify for the Diploma of Associate Arts (A.A.) on completion of 60 credits.

One course specially designed for the new student seeking an overview of the world of knowledge is HUM 130 Frontiers of Thought.

For information on General Studies, please contact the Admissions Office, 588-6404.

American Studies

American Studies is a two-semester interdisciplinary course combining LIT 105 (American Literature) and HIST 140 (Nation in Conflict: The U.S. in the 20th Century) within an interdisciplinary framework. The complexity of the 20th-century society is better understood when the rich literary and historic sources are incorporated in an interdisciplinary format that helps to overcome the limited focus of the traditional approach in these subject areas. Both areas are complementary, and their integration enhances the learning experience.

The course is taught within a team-teaching format. Since the theme of American Studies crosses disciplinary lines, the most effective utilization of resources is one in which instructors of both disciplines are available. This makes the above two existing courses more flexible and comprehensive. Therefore, students will receive three credits for HIST 140 and three for LIT 105 upon completion of this two-semester program.

Women's Studies

Douglas College offers courses in the area of Women's Studies for persons interested in:

- 1) Developing an awareness of general concerns of women, both historically and today;
- 2) Broadening their knowledge of the ideological, psychological, sociological, economic and other factors which contribute to women's roles in contemporary society;
- 3) Encouraging an appreciation of the contributions of many women in various fields and the potential for others to do so.

All courses have university-transfer credit and College credit. Courses may be taken separately, in combination with other areas, or in a package. There is much flexibility to encourage students to design individual programs of study. In addition, an open seminar is held weekly on each campus incorporating discussion, talks, films, etc., for anyone having a

general interest in the area - student, faculty, and staff. For detailed information on courses, contact the Convenor of Women's Studies, the Director of Continuing Education Programs, or the Student Services Centres.

Courses are recommended from among the following. However, please note that not all courses are available every semester on every campus. Descriptions of them appear elsewhere in this Calendar under their respective departmental headings.

Course	Descriptive Title	Credits
English LIT 160	Images of Women in Literature	3
History HIST 160	Women in Canadian History	3
Philosophy PHIL 160	Philosophy, Religion, and Women	3
Sociology SOC 240	Role of Women in Society	3
Psychology PSY 110	Social Issues: Psychology of Women	3

Anthropology: Please Note: Consideration is being given to the development of a course for women in anthropology for spring 1976.

Related Courses: Of particular interest to women are Frontiers of Thought, Human Sexuality, Lifestyle Options, Career Explorations, and Skills Foundation.

For persons interested in career programs it is worth noting that all such programs are open to women. For information see 'Program Descriptions' in this Calendar.

Also, during the year Douglas will continue to offer a variety of credit-free workshops, seminars, and courses for women on campus and in the community.

To receive a special flyer on various aspects of the Women's Studies offerings, please call the Convenor of Women's Studies, 588-4411.

UNIVERSITY-TRANSFER PROGRAMS

Art

Transfer information:

Students wishing to continue studies in fine arts at UBC will be asked to submit folios showing the type of background acquired. They will then be fitted into UBC's program on an individual basis. However, they should be aware of the extremely limited intake at the UBC department. Transfer depends on acceptance of the student's portfolio and on successful completion of the following courses at Douglas:

DOUGLAS COLLEGE COURSES	UBC COURSES
ART 100, 110, 130, 131, 140, 141, 142, 263 (any two)	Fine Arts 181 (3 units)
ART 120, 121	Fine Arts 125 (3 units)
ART 164, 200, 210, 230, 310, 330, 400, 410, 411, 430 (any four)	Fine Arts 281 (6 units)
ART 300, 400	Fine Arts 201 (1½ units)
ART 122	Fine Arts (1½ units) unassigned

DOUGLAS COLLEGE COURSES	UNIVERSITY OF VICTORIA
ART 100, 161	Art 100 (3 units)
ART 120, 121	History in Art 120 (3 units)
ART 200, 300	Art 200 (3 units)
ART 210, 310	Art 210 (3 units)
ART 131, 231	Art 220 (3 units)
ART 140, 141, 142	Art 230 (3 units)
ART 130, 134, 230, 330, 430	Art 100 level unassigned (3 units)
ART 122, 222	History in Art 100 level unassigned (3 units)

The following courses are transferable to SFU as unassigned credit: ART 120, 121, 122, 222.

More information on transferability of Douglas courses to UBC may be found in the course descriptions section of this Calendar, under VISUAL ART.

SEMESTER I

Course	Descriptive Title	Credits
ART 100	Fundamental Drawing	3
ART 110	Fundamental Painting	3
ART 120	History of Western Art to 1600	3
ART 130	Ceramics and Ceramics Sculpture	2
or		
ART 131	Figure Sculpture	3
ART 163	Fundamental Design Theory	2
	Elective	3

SEMESTER II

ART 121	History of Western Art: 1600 to Present	3
ART 200	Basic Drawing	3
ART 210	Basic Painting	3
ART 230	Ceramics	2
or		
ART 231	Sculpture	3
ART 164	Design Color Theory	2
	Elective	3

SEMESTER III

ART 140	Relief Printmaking	2
ART 300	Intermediate Drawing	3
ART 311	Explorations in Contemporary Media	3
Two of:		
ART 122	Art History: 1900-1945	3
ART 310	Intermediate Painting	3
ART 330	Intermediate Ceramic Techniques	2
ART 331	Intermediate Sculpture	3
	Elective	3

SEMESTER IV

ART 141	Art Silk-Screen Techniques	2
ART 400	Advanced Drawing	3
ART 411	Explorations in Contemporary Media	3
Two of:		
ART 222	Art History: 1945 to Present	3
ART 410	Advanced Painting	3
ART 430	Advanced Ceramics	2
ART 431	Advanced Sculpture	3
	Elective	3

Astronomy — See Physics

Biology

The biology laboratory is operated on an open audio-tutorial system. Students taking a biology course should plan to spend four hours a week in the laboratory, but not necessarily at one time: they may spend one hour at a time in the laboratory to complete the requirement. When timetabling, they should ensure that this time is made available. The times during which the laboratory will be open are posted at the entrance of each laboratory.

Students intending to transfer to a major or honors program in biology should take the following courses in first year:

SEMESTER I	SEMESTER II
Biology 110	Biology 111
Chemistry 110	Chemistry 210
Mathematics 120	Mathematics 220, 131
Physics 110	Physics 210

In each semester any two of Literature 101 to 120; Communications 100; Theatre 100; Creative Writing 100, 200.

A student with good standing in Biology 11 and 12 may be exempted from the above two courses with permission of a biology instructor. Exemption will be granted only to those who take an advanced biology course.

SEMESTER III	SEMESTER IV
Chemistry 320	Chemistry 420

Students may take in a sequence, subject to the courses being offered, Biology 320, 321, 322, and 323. Those intending to transfer to third year at SFU or UBC with a biology major are advised to take at least two, and preferably all, of the above courses along with enough electives to accumulate 60 semester credits.

Students who require biology as a prerequisite to a professional school should consult the appropriate school's calendar or a counsellor.

Chemistry

Students intending to transfer to a major or honors program in chemistry are required to take the following courses in first year:

SEMESTER I	SEMESTER II
Chemistry 110	Chemistry 210
Mathematics 120	Mathematics 220
Physics 100 or 110	Physics 200 or 210

At UBC, Mathematics 131 is required, together with any two of Literature 101 to 120; Theatre 100; Creative Writing 100; Communications 100; plus six semester credits of electives.

It should be noted that students who take Physics 110, 210 are given credit at SFU for Physics 201, 202 and 204, all of which are required.

Students may take their third and fourth semesters of chemistry at Douglas (equivalent to UBC Chemistry 205 and 230), but since our offerings are of a general nature, the universities have reserved the right to grant honors or major standing on the basis of individual performance, together with a recommendation from the department. The following courses should be taken:

SEMESTER III	SEMESTER IV
Chemistry 310, 320	Chemistry 410, 420
Mathematics 320	Mathematics 420

Commerce and Economics

Students interested in progressing to UBC to take a degree in commerce or a degree majoring in economics, and those intending to continue at SFU toward a degree majoring in economics, and those intending to continue at SFU toward a degree majoring in economics and commerce, should apply to the Douglas College Business and Administration division or to the Counselling Centre.

Both universities recommend that such students take two years at Douglas College and enter university in their third year. Transfer credits have been arranged with these universities to cover the first two years of all commerce and economics programs. In this respect, the following Douglas College Accounting, Business, and Economics courses are transferable:

ACC 110	Principles of Accounting
ACC 210	Principles of Accounting
BUS 200	Fundamentals of Business
ECO 101	The Canadian Economy
ECO 110	Economic History
ECO 111	Economic History of Canada
ECO 201	Issues in Economic Development
ECO 210	Economic History
ECO 311	Principles of Macro Economics
ECO 411	Principles of Micro Economics

Douglas Arts

This is a two-semester, interdisciplinary, university-transfer program. It is designed for students who seek a meaningful combination of courses, reading, and discussion, which provide them with increasing freedom to pursue ideas and themes of their choice.

In the first semester, the course Frontiers of Thought offers an introduction to the attitudes and ideas of major areas of human knowledge and study. Students also take three courses in subjects related to a program seminar. Themes are discussed and developed for individual study in the second semester.

During the second semester, students attend two courses, a seminar, and a weekly tutorial. This leaves ample time for the pursuit of the ideas raised in the first semester and developed in the tutorial and related reading.

The Douglas Arts Program provides:

- a) A meaningful combination of courses distributed in a well-balanced timetable;
- b) An opportunity for students to select and study themes of their choice;
- c) Greater contact with instructors for the development of reading and writing skills, and skills in oral seminar presentations;
- d) A combination of assignments to meet the needs of both the individual courses and the program as a whole.

Program Leading to Associate in Arts Diploma:

SEMESTER I

Course	Descriptive Title	Credits
HUM 130	Frontiers of Thought	3
00 101	Seminar*	3
PHI 100	Introduction to Philosophy +	3
HUM 140	20th-Century Man in Contemporary Literature +	3
HIST 100	The Meaning of History	3
	Total	15

Transferability:

- UBC 7½ units (1½ unassigned in Arts, 6 assigned)
- SFU 15 credits (3 unassigned in Arts, 12 assigned)

SEMESTER II

Course	Descriptive Title	Credits
00 201	Douglas Arts Seminar*	3
00 102	Douglas Arts Tutorial*	6
	One option selected from a list of programs including Fine Arts, Humanities, Communications, and Psychology	3
	One elective university-transfer course	3
	Total	15

Transferability:

- UBC 7½ units (4½ unassigned in Arts, 3 assigned)
- SFU 15 credits (9 unassigned in Arts and 6 assigned)

*University-transfer credit has been granted for these new courses.

For further information, phone Admissions Office, 588-6404.

Environmental Studies

The following courses are recommended for students seeking knowledge in the field of environmental studies. Descriptions of them appear elsewhere in this Calendar.

Course	Descriptive Title	Credits
Anthropology		
ANT 140	Culture and Environment	3
Biology		
BIO 100	Environmental Crisis	3
BIO 110	The Biosphere	3
BIO 111	The Organism	3
BIO 322	Ecology	3

Environmental Studies

ENS 100	Environmental Management	3
ENS 200	Environmental Management	3

Geography

GEOG 100	Man and the Earth	3
GEOG 110	Weather and Climate	3
GEOG 120	Evolution of the Earth's Surface	3
GEOG 130	Environment and Technology	3
GEOG 140	Canadian Landscapes Workshop	3
GEOG 150	Canadian Arctic	3
GEOG 160	B.C. and the Yukon	3

Geology

GEOL 100	Discover the Earth	3
GEOL 210	Our Changing Earth	3

History

HIST 110	The Fraser Valley	3
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Literature

LIT 101	The Canadian in Time and Place	3
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Philosophy

PHI 110	Morality in Turmoil	3
PHI 210	Ethics and Moral Judgement	3

Political Science

POL 120	Canadian Government	3
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Psychology

PSY 330	An Introduction to Social Psychology	3
PSY 430	Social Psychology: Theory and Research	3

Sociology

SOC 290	Urbanization and Industrialization	3
SOC 260	Sociological Inquiry 1	3
SOC 360	Sociological Inquiry 2	3

Geology

Geology is the study of the composition, origin, and development of planet earth. Considered are the origins and evolution of rocks and minerals, oceans, atmosphere and life, and their interactions.

Beginning students shall enrol in GEOL 100: Discover the Earth. This is a core course intended to introduce the students to geology. The student has the option of considering this course terminal (3 unassigned credits in Geography at SFU or 1½ unassigned geology credits at UBC). During the second semester, students may couple Discover the Earth with a single-semester biology course (advisable for potential elementary or primary school teachers), or with the second-semester GEOL 210: Our Changing Earth. The sequence GEOL 100 and 210 is the equivalent of Geology 105 at UBC OR = UNASSIGNED Geography credits at SFU. The sequence GEOL 100 and 110 is the equivalent of Geography 101 at UBC or Geography 111 plus 3 unassigned Geography credits at SFU.

Students intending to major in geology should enrol in the following course pattern during their first year:

SEMESTER I	SEMESTER II
PHY 100 or 110	PHY 200 or 210
CHE 110	CHE 200 or 210
MAT 120	MAT 220 and 131
GEOL 100	GEOL 210

During both semester, any two of Communications 100; Literature 101 to 120; Theatre 100; Creative Writing 100 and 200 must be included. Students intending to enrol in the Earth and Space Science major in the Faculty of Education at UBC require GEOL 100, 210, 220, and 221.

Mathematics

Many university departments require credits in mathematics at the first-year or second-year level for admission to certain upper-division courses. Students are therefore urged to consult the appropriate calendars for details of specific mathematics requirements.

Students entering Douglas may pursue several possible routes, depending on their background and major field of interest:

- 1) Students with B.C. Mathematics 12 who wish to enter UBC to take mathematics, science, secondary education, applied science, or forestry, should enrol in:

Semester I	MAT 120
Semester II	MAT 220, 131

Mathematics or science majors should continue as follows:

Semester III	MAT 320, 231
Semester IV	MAT 420, 331

These courses also satisfy prerequisites at SFU and U-VIC.

- 2) Students with only B.C. Academic Mathematics 11 who require the above courses should enrol in Mathematics 112, which is the prerequisite to the calculus (MAT 120).
- 3) Students with less than B.C. Mathematics 11 should consider enrolling in Mathematics 102 or 103.
- 4) Some schools (such as commerce, medicine, dentistry, and nursing) require UBC Math 130. This credit is best obtained by taking MAT 150 and MAT 250, which are geared to the social scientist. Also see the MAT 150 description.
- 5) Students transferring to the Faculty of Commerce and Business Administration at UBC should take, in addition to the courses listed in paragraph 4, the following courses:

Semester III Mathématiques 350
Semester IV Mathematics 450

Students of the social sciences, especially of economics, may wish to elect these courses in their second year.

- 6) All students registering for the first time in mathematics at Douglas will be assessed no later than the first week of the semester to determine if their background knowledge is adequate for their elected courses. If the probability of success appears low, each such student will be advised to register in an appropriate preparatory course. Douglas offers a spectrum of mathematics courses at all levels.

Music

Douglas College provides part of the training for students intending to become school music teachers. There are two routes:

1) B. Mus. [General]

For music majors, a full-time music program is designed for transfer to music departments of various Canadian universities after two years at Douglas. The B. Mus. degree is completed at university and may be followed by faculty of education teaching-training. At present, students are accepted at Douglas as majors in band, chorus, and string orchestra.

2) B. Ed. [Major in Music Education]

Applicants not desirous of entering the B. Mus. (General) Program are encouraged to consider enrolling in the B.Ed. pattern. This is particularly suitable for those intending to teach music in elementary schools. There are no instrumental prerequisites for admission. Students unable to read music must take MUS 100 before registering for other music courses in the B.Ed. pattern. On completion of the two-year program, they are eligible for transfer to a faculty of education that provides music education. Teachers already employed but lacking complete coverage of courses required for the B.Ed. (Major in Music Education), are invited to consider enrolling as part-time students.

THIRD-STREAM MUSIC PROGRAM

Douglas College offers a music program for applicants who do not wish to transfer to university.

This program is of two years' duration and leads to a Douglas College diploma. It provides a solid foundation of music fundamentals in ensemble, theory, sight singing and private voice, or in instrumental lessons.

In addition, many options are available enabling students to shape the program to satisfy their personal needs. For example, available are: basic rhythm, woodwinds, percussion, recorder, guitar, arranging, stage band, music history, jazz, brass, opera, folk music, and many English and Liberal Arts courses.

On successful completion of the first-year Third-Stream requirements, students are eligible to transfer to the B. Mus. or B. Ed. programs. Those interested should contact the Music Office for further information.

ADMISSION REQUIREMENTS**B. Mus. [General]**

Concentration on wind instruments, percussion, strings, voice, or guitar: grade 6 RCMT or equivalent level. Piano concentration entrance standards approximate a grade 8 RCMT examination level or equivalent.

Students desirous of entering the B. Mus. (General) program should apply for an interview, an audition, and a theory test before the second week of May. Tests and interviews will be held on or about that date. Phone 521-4851 (local 229) for appointment. Applicants wishing to upgrade theory to College entrance standards before the May auditions may enrol in a specially designed evening theory course to be held at the Douglas College Conservatory commencing in late February.

Applicants who fail the theory test in May will have the opportunity of re-sitting the test after taking a remedial course offered by the Douglas College music faculty during the last three weeks of August. For further information, phone 521-4851 (local 229).

Applicants who fail the instrumental audition in May or August are urged to take private instruction and re-apply for the B.Mus. (General) Program the following year.

Meanwhile, students may take a full program of electives.

Transfer to U-Vic has been arranged. Interested students should enquire at the Music Office.

Music-education majors should spread music courses over two years, paying special attention to requirements of B.Ed. transfer students at the appropriate university. Students transferring to elementary education at UBC must do so after one year at Douglas.

SFU transfer courses:

The following courses are transferable to SFU as general elective credit:

MUS 102	MUS 220
MUS 120	MUS 320
MUS 103	MUS 420

SEMESTER I

Course	Descriptive Title	Credits	Equivalent UBC Course
MUS 105	Ensemble — Band	1	Music 152 (½ unit)
or			
MUS 106	College Chorus	1	Music 153 (½ unit)
MUS 107	Stage Band (Elective)	1	(College credit only)
MUS 110	Theory of Western Music — A.D. 400-1500	3	Music 100 (1½ units)
MUS 120	History of Western Music — A.D. 500-1450	3	Music 120 (1½ units)
MUS 130	Class Woodwinds	2	Music 142 (1 unit)
or			
MUS 131	Class Brass	2	Music 141 (1 unit)
MUS 133	Sight Singing	1	Music 100 (½ unit)
MUS 140	Piano (Secondary)	1	Music (Piano)
or			
MUS 141	Instrumental (Secondary)	1	Music (Instrumental)
or			
MUS 142	Vocal (Secondary)	1	Music (Voice)
MUS 150	Music Concentration (Vocal)	2	Music (Instrumental)
or			
MUS 151	Music Concentration (Vocal)	2	Music (Voice)
or			
MUS 152	Music Concentration (Piano)	2	Music (Piano)
	Elective in English	3	English 100 (1½ units)
	Liberal Studies Elective	3	Liberal Arts (1½ units)

SEMESTER II

MUS 130	Class Woodwinds	2	Music 142 (1 unit)
or			
MUS 131	Class Brass	2	Music 141 (1 unit)
MUS 205	Ensemble — Band	1	Music 152 (½ unit)
or			
MUS 206	College Chorus	1	Music 153 (½ unit)
MUS 207	Stage Band (Elective)	1	(College credit only)
MUS 210	Theory of Western Music — 1450-1650	3	Music 100 (1½ units)
MUS 220	History of Western Music — 1450-1650	3	Music 120 (1½ units)
MUS 233	Advanced Sight Singing	1	Music 100 (½ unit)
MUS 240	Piano (Secondary)	1	Music (Piano)
or			
MUS 241	Instrumental (Secondary)	1	Music (Instrumental)
or			
MUS 242	Vocal (Secondary)	1	Music (Voice)
MUS 250	Music Concentration (Instrumental)	2	Music (Instrumental)
or			
MUS 251	Music Concentration (Vocal)	2	Music (Voice)
or			
MUS 252	Music Concentration (Piano)	2	Music (Piano)
	English Elective	3	English 100 (1½ units)
	Liberal Studies Elective	3	Liberal Arts (1½ units)

SEMESTER III

MUS 305	Ensemble Band	1	Music 252 (½ unit)
or			
MUS 306	College Chorus	1	Music 253 (½ unit)
MUS 307	Stage Band (Elective)	1	(College credit only)
MUS 310	Theory of Western Music — 1600-1750	3	Music 200 (1½ units)
MUS 320	History of Western Music — 1600-1750	3	Music 320 (1½ units)
MUS 340	Piano (Secondary)	1	Music (Piano)
or			
MUS 341	Instrumental (Secondary)	1	Music (Instrumental)
or			
MUS 342	Vocal (Secondary)	2	Music (Voice)
MUS 350	Music Concentration (Instrumental)	2	Music (Instrumental)
or			
MUS 351	Music Concentration (Vocal)	2	Music (Voice)
or			
MUS 352	Music Concentration (Piano)	2	Music (Piano)
MUS 132	Class Percussion	2	Music 141 (1 unit)
or			
MUS 230	Advanced Class Woodwinds	2	Music 142 (1 unit)
	English Elective	3	English 200 (1½ units)
	Liberal Studies Elective	3	Liberal Arts (1½ units)

SEMESTER IV

Course	Descriptive Title	Credits	Equivalent UBC Course
MUS 132	Class Percussion	2	Music 141 (1 unit)
or			
MUS 230	Advanced Class Woodwinds	2	Music 142 (1 unit)
MUS 405	Ensemble — Band	1	Music 252 (½ unit)
or			
MUS 406	College Chorus	1	Music 253 (½ unit)
MUS 407	Stage Band (Elective)	1	(College credit only)
MUS 410	Theory of Western Music	3	Music 200 (1½ units)
MUS 420	History of Western Music	3	Music 320 (1½ units)
MUS 440	Piano (Secondary)	1	Music (Piano)
or			
MUS 441	Instrumental (Secondary)	1	Music (Instrumental)
or			
MUS 442	Vocal (Secondary)	1	Music (Voice)
MUS 450	Music Concentration (Instrumental)	2	Music (Instrumental)
or			
MUS 451	Music Concentration (Vocal)	2	Music (Voice)
or			
MUS 452	Music Concentration (Piano)	2	Music (Piano)
	English Elective	3	English 200 (1½ units)
	Liberal Studies Elective	3	Liberal Arts (1½ units)

Suggested program for music education majors:

MUS 100	Basic Theory	3	Music Ed. 101 (1½ units)
MUS 130	Class Woodwinds	2	Music 142 (1 unit)
MUS 131	Class Brass	2	Music 141 (1 unit)
MUS 132	Class Percussion	2	Music 141 (1 unit)
MUS 200	Basic Harmony	3	Music 101 (1½ units)
MUS 230	Advanced Class Woodwinds	2	Music 142 (1 unit)
MUS 320	History of Western Music	3	Music 320 (1½ units)
MUS 420	History of Western Music	3	Music 320 (1½ units)

Physical Education and Recreation

Douglas College offers a two-year university program that prepares students for entry into third year of the Bachelor of Physical Education, Bachelor of Recreation Education, and Bachelor of Education (secondary) programs at UBC. Students desiring to transfer into a Bachelor of Education (elementary) program at university should do so after one year at Douglas.

Those planning to apply for transfer to UBC should observe the following regulations:

- 1) Students applying for admission to the B.R.E. Program may present a maximum of eight credits in physical education activities if over four semesters.
- 2) Students in either B.P.E. or B.Ed. (P.E. Major) may present a maximum of 19 credits in physical education courses if taken over four semesters.
- 3) Students planning to take only two semesters should select the courses to conform as closely as possible to requirements as indicated in the UBC calendar for the first year.

SFU offers a degree program in kinesiology but not in physical education or recreation.

Course requirements for these Douglas programs are indicated in the accompanying graph. The numbers indicate the semester(s) in which the courses listed at the left should be taken.

Please Note:

- 1) First-semester and second-semester English requirements for B.P.E., B.R.E., and B.Ed. are: any two of LIT 101 to 114, COM 100, COM 200, THEA 100, (COM 112 is excluded)
- 2) Third-semester and fourth-semester English requirements for B.R.E., B.P.E., (option A) and B. Ed. (secondary) program: any two of LIT 314, 315, 316, 317, 319, (preferably LIT 316 and 317).
- 3) Physical Education PE 113 must be included as one of the activity courses in B.R.E., unless written permission to substitute another course has been obtained from the School of Physical Education at UBC. The other two activity courses for B.R.E. must be selected in consultation with the faculty adviser.
- 4) First-semester and second-semester physical education activity course requirements for B.Ed. (elementary):
(a) PE 113; (b) PE 119 or 120; (c) PE 118; (d) any one of: PE 111, 112, 114, 115, 116, 121, 122, 124, 125, 126
- 5) Required activity courses for all students in the B.Ed. (secondary) program are:
PE 113, PE 118, PE 119 or PE 120;
one from:
PE 111, PE 116, PE 124, PE 126;
one from:
PE 112, PE 114, PE 115, PE 121, PE 122, PE 125;

plus any one other two-credit Physical Education activity course of student's choice.

6) Required activity courses for all students in the B.P.E. program are:

- PE 110, 113, 117, 119, 120;
- one of: PE 118 or 123;
- one of: PE 111, 116, 124 or 126;
- one of: PE 112, 114, 115, 121, 122, 125;

plus any one other two-credit Physical Education activity course of student's choice.

7) Students in the B.P.E. program must select a second area of concentration consisting of a minimum of 12 semester credits from either the Faculty of Arts or the Faculty of Science at UBC, or from equivalent Douglas College courses.

8) Students in the B.P.E. program must select 12 credits of course work as electives from other departments in consultation with the faculty advisor.

Required In:	Credits	B.P.E. Option A	B.P.E. Option B	B.R.E.	B. Ed. [Sec.]	B. Ed. [Elem.]
Course Description						
PHY 100 or 110 or PSY 100	6		1-3			
PHY 200 or PHY 210 or PSY 200	6		2-4			
PSY 100 and PSY 200	6	3-4		1-2		
4 electives from arts or science	12	1-2				
2 electives from arts or science	6		3-4			
2 electives from lab science	6					1-2
2 electives from history, geography, or social science	6					1-2
4 electives (see note 7)	12	3-4				
Electives and courses required for second academic concentration	18					1-2
Electives and courses required for second academic concentration	12				3-4	
SOC 125 and SOC 135	6			3-4		
Psychology: two of PSY 320, 322, 330, 430, or 350	6			3-4		
4 electives (see note 8)	12			1-2		
ART 120 and 121	6			1-2		
BIO 110 and 111	6	1-2	3-4	1-2		
	6		1-2			
CHE 320 or PSY 300	3			3		
CHE 420 or PSY 400	3			4		
First-level English (see note 1)	6	1-2	1-2	1-2	1-2	1-2
Second-level English (see note 2)	6	3-4			3-4	
MAT 120 and 220	6			1		
MAT 131	2			2		
MUS 100 or 320, or any course from arts or science	3					1
PE 370	3			3		
PE 470	3			4		2
PE 380	3			3		
3 PE activities (see note 3)	6			1-2		
4 PE activities (see note 4)	8			4		1-2
6 PE activities (see note 5)	12			1-2-4		
8 PE activities (see note 6)	16	1-2	1-2	3-4		
PE 350	3	4	4			4
PE 360	3					3

Physics

Students intending to either major or honor in physics should consult the calendar of the university which they plan to attend after leaving Douglas, to determine the exact prerequisites for physics, mathematics, and chemistry.

For either a major or an honor in physics, courses selected during the first and second semesters should include:

- PHY 100 and 200, or 110 and 210
- CHE 110 and 210
- MAT 120, 220, and 131

In the third and fourth semesters, the selected courses should include:

- PHY 320, 321, 420, and 421
- MAT 320, 420, 231, 331

The four-semester Physics Program at Douglas does not completely match the first two years of the UBC Physics Major Program. During their third year at UBC, Douglas graduates must take Physics 210 (2), and may also be asked to take Physics 156 (1½). Those intending to honor in physics at UBC are advised to transfer after completing two semesters at Douglas.

The honors and major programs at SFU are identical up to the end of the fourth level (semester). Students proceeding to SFU after having completed the four-semester Physics Program at Douglas will be lacking

the equivalent of Physics 202 and 203, but they can make up these courses at SFU.

Theatre

This two-year program, scheduled to commence in the fall, 1975, leads to the Diploma of Associate in Arts (A.A.) in theatre. Certain courses are transferable to the University of B.C. and the University of Victoria. **Students should be aware, however, of the extremely limited transfer possibilities at UBC.**

The program will be designed to provide a sound basis for students who plan to pursue a career in theatre or theatre education; or for those who wish to become actively involved in community theatre. Students will participate in College productions, and involvement with community theatre groups will be encouraged.

An interview with the program convenor is necessary for admission to the program. Interviews will be held the latter part of May. Interested students should call 588-4411 (local 233).

Students intending to transfer to UBC or U-Vic should be certain to confer with the Douglas College theatre convenor or a counsellor.

Certain core courses in theatre will be required, and students are encouraged to choose electives that will contribute to their general knowledge in areas related to theatre.

Following are the first-semester courses:

Course	Descriptive Title	Credits
THEA 110	Acting and Creating	3
THEA 111	Speech for the Stage	2
THEA 105	A Panorama of World Drama to 1642	3
THEA 140	Stage Design and Scenery Construction	3
THEA 171	Creative Movement for the Stage	2
	Elective	3

Courses for subsequent semesters will be announced during the fall of 1975.

COURSE DESCRIPTIONS

Note: Asterisk [*] Courses Have Prerequisites or Corequisites, or Both

ACCOUNTING

ACC 100 Introduction to Accounting 3 credits

A study of the theory and practice of accounting at an introductory level. The emphasis is more on understanding and using accounting information than on developing skills in the preparation of accounting information.

Spring and fall semesters

Prerequisite: None

Lecture: 3 Seminar: 1

No transfer credit

ACC 110 Principles of Accounting 3 credits

The theory and practice of recording and reporting financial events for service and merchandising businesses, with consideration of accounting for property owned by businesses.

Fall semester

Prerequisite: None

Lecture: 4

Transferability:

With ACC 210

UBC Commerce 151 and 1½ units unassigned credit in Accounting

SFU Commerce 223 (5 credits) and 1 unassigned credit in Accounting

CGA Acct 101

SIA Principles of Accounting

ACC 200* Bookkeeping and Payroll Accounting 3 credits

Basic bookkeeping and payroll accounting procedures including journals, statement and ledger organization, working with papers, closing the books, payroll deductions, and records.

Spring semester

Prerequisite: ACC 100 or permission of instructor

Lecture: 2 Laboratory: 2

No transfer credit

ACC 210* Principles of Accounting 3 credits

The theory and practice of appraising business progress in the light of previous plans, and safeguarding the rights and possessions of a business by means of the accounting process. Includes the analysis of financial statements, and appraisal of basic accounting theory with brief consideration of the manufacturing process.

Spring and summer semesters

Prerequisite: ACC 110

Lecture: 4

Transferability:

With ACC 110

UBC Commerce 151 and 1½ units unassigned credit in Accounting

SFU Commerce 223 (5 credits) and 1 unassigned credit in Accounting

CGA Acct 101

SIA Principles of Accounting

ACC 240* Electronic Data Processing [Accounting] 3 credits

An examination of the function of the digital computer within the formation system of the firm and its relationship to the accounting department. The course deals with computer programming in both BASIC and COBOL languages, and reviews the computer's basic machinery.

Fall semester

Prerequisites: ACC 100 or ACC 110 and current enrolment in ACC 210

Lecture: 4

Transferability:

With ACC 440

CGA ICS 315

SIA Data Processing Equipment and Programming

ACC 310* Accounting Theory 3 credits

A study of the more complex accounting techniques and principles at the intermediate level, with particular reference to the assets of the enterprise.

Fall semester

Prerequisite: ACC 210

Lecture: 4

Transferability:

With ACC 410

CGA Acct 221

SIA Accounting Theory and Problems

ACC 320* Cost Accounting 3 credits

Principles and practice of essential records and methods of arriving at materials, labor, and manufacturing expense costing. Job, process, and standard costing. Budgeting, distribution, and differential costing.

Fall semester

Prerequisite: ACC 210

Lecture: 4

Transferability:

With ACC 420

CGA Acct 311

SIA Accounting for Cost Determination, Analysis, and Control

ACC 340* Information Systems [Accounting] 3 credits

The application of data processing principles in business, with emphasis on accounting applications. Various systems involving magnetic tape and disk storage devices examined. Introduction to controls and data processing management.

Spring semester

Prerequisite: ACC 240

Lecture: 4

Transferability:

With ACC 240

CGA I.C.S. 315

SIA Data Processing Equipment and Programming

ACC 410* Accounting Theory 3 credits

The study of the more complex accounting techniques and principles at the intermediate level, with particular reference to the liabilities and ownership of the enterprise.

Spring semester

Prerequisite: ACC 310

Lecture: 4

Transferability:

With ACC 310

CGA Acct 221

SIA Accounting Theory and Problems

ACC 420* Cost Accounting 3 credits

An examination of non-manufacturing costs, capital budgeting, inventory costing, and the cost of service departments. Joint products and by-products also considered, together with process costing.

Spring semester

Prerequisite: ACC 320

Transferability:

With ACC 320

CGA Acct 311

SIA Accounting for Cost Determination, Analysis, and Control

ANTHROPOLOGY

Anthropology is the study of man, emphasizing a cross-cultural and comparative approach. The discipline attempts to trace the physical evolution of man and the development of culture, to study cultural traits as they occur in diverse societies, and to provide in-depth studies of specific cultures.

A basic background in anthropology is a valuable addition to the general knowledge of all persons engaged in social service, or in public-policy activities and careers.

Students who intend to proceed to university and major in anthropology can transfer to UBC, SFU, and U-Vic. Those intending to transfer to UBC are advised to take ANT 100 and 110. These are survey courses designed to cover the range of the discipline. When both are taken this is considered equivalent to UBC's prerequisite course Anthropology 200.

Students transferring to UBC are permitted to take two other courses in anthropology (in addition to ANT 100 and 110) for credit within the Department of Anthropology and Sociology. If further courses are taken, they are transferable to the university, but not within the department.

Students transferring to SFU are also advised to take ANT 100 and 110. Note, however, that anthropology and archaeology are divided at that institution. Douglas courses ANT 100, 120, 130, 140, and 200 transfer to the PSA Department, while ANT 110, 190 and 210 transfer to the Department of Archaeology.

All courses are transferable to U-Vic, following the same rules as those developed for transfer to UBC.

All courses except ANT 190 are normally given each semester, although not necessarily on each campus. ANT 190, a field course in archaeology, is given only occasionally, and only in the summer.

ANT 100 Social and Cultural Anthropology 3 credits

Introduction to cross-cultural concepts of man, culture, social institutions with selected ethnographic examples.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC with ANT 110 Anthropology 200 (3 units)

SFU PSA 172 (3 credits)

ANT 110 Physical Anthropology and Archaeology 3 credits

An introduction to the aims, methods, and discoveries of physical anthropology and archaeology through a study of human evolution and the development of cultures and institutions.

Spring and fall semesters

Prerequisite: None

Lecture: 4

Transferability:

UBC with ANT 100 Anthropology 200 (3 credits)

SFU Archaeology 272 (3 credits)

ANT 120 The Indians of B.C. 3 credits

A study of the native inhabitants of B.C. from the time of historic contact. Emphasizes the traditional society, particularly its art form, and certain problems of contemporary Indian society.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in Anthropology

SFU 3 unassigned credits in PSA Department

ANT 130 The Anthropology of Religion 3 credits

An introduction to a comparative study of religious institutions, focusing on selected ethnographic examples. Considers the role of religion in society and various anthropological approaches to the study of religion.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in Anthropology

SFU 3 unassigned credits in PSA Department

ANT 140 Culture and the Environment 3 credits

An ecological approach to social organization and structure. Influence of the environment on kinship, and on religious, political, and economic systems.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Tutorial: 2

Transferability:

UBC 1½ units unassigned credit in Anthropology

SFU 3 unassigned credits in PSA Department

ANT 190 Archaeological Field Studies 3 credits

A field course in archaeology, held only in summer. Emphasizes techniques of archaeological excavation, but some time is devoted to archaeological theory and the broad pattern of B.C. prehistory.

Prerequisite: None

Field experience: 35 hours (over approximately six weeks)

Transferability:

UBC 1½ units unassigned credit in Anthropology

SFU 3 unassigned credits in Archaeology

ANT 191* Anthropological Field Studies 3 credits

A field course in cultural anthropology. Introduces students to the culture and environment of a selected area, its geography, past and present populations, and the general ecology of the area.

Summer semester

Prerequisite: ANT 100, 120, or 200

No transfer credit

ANT 200 Theoretical Perspectives in Social Anthropology 3 credits

An examination and discussion of the major theoretical perspectives in the history of social anthropology. This course also includes a critical review of the current analytic developments in the discipline.

Spring and fall semesters

Prerequisite: ANT 100

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Anthropology

SFU: 3 credits in PSA Department

ANT 210* New World Prehistory 3 credits

An application of the principles and concepts of archaeology to a survey of prehistoric New World cultures, with particular emphasis on western and northern North America.

Spring, summer, and fall semesters

Prerequisite: ANT 110

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Anthropology

SFU: Archaeology 273 (3 credits)

ASTROMONY- See Physics**BIOLOGY**

The biology laboratory is operated on an open audio-tutorial system. Students taking a biology course should plan to spend four hours each week in the laboratory, but not necessarily at one time. They may spend one hour at a time in the laboratory to complete their requirement, and, when timetabling, should see that this time is made available. The times during which the laboratory will be open are posted at the entrance of each laboratory.

Those intending to transfer to a major or honors program in biology should take the following courses in first year:

SEMESTER I	SEMESTER II
BIO 110	BIO 111
CHE 110	CHE 210
MAT 120	MAT 220, 131
PHY 110	PHY 210

In each semester, any two of LIT 101 to 120; COM 100; THEA 100; CRW 100, 200.

A student with good standing in BIO 11 and 12 may be exempted from the two courses above with permission of a biology instructor. Exemption will be granted only to those who take an advanced biology course.

SEMESTER III	SEMESTER IV
Chemistry 320	Chemistry 420

Students may take in any sequence, subject to the courses being offered, BIO 320, 321, 322, and 323. Those intending to transfer to third year at SFU or UBC with a biology major are advised to take at least two, and preferably all, of the above courses along with enough electives to accumulate 60 semester credits.

Students who require biology as a prerequisite to a professional school should consult the appropriate school's calendar or a counsellor.

BIO 110 Principles of Biology: The Biosphere 3 credits

A study of life from the interaction of living organisms with one another and their physical environment to the anatomy and physiology of the individual.

Spring and fall semesters

Prerequisite: None

Laboratory: 4 Seminar: 2

Transferability:

UBC with BIO 111 Biology 101 or 102

SFU Biology 102

BIO 111 Principles of Biology: The Organism 3 credits

A study of life from the development of individual organisms to the structure and function of the cell.

Spring and fall semesters

Prerequisite: BIO 110 or permission of instructor

Laboratory: 4 Seminar: 2

Transferability:

UBC with BIO 110 Biology 101 or 102

SFU Biology 101

BIO 320* Genetics 3 credits

The principles of heredity: transmission, exchange, mutation, and functioning of genetic material.

Offered on sufficient demand

Prerequisites: BIO 110 and BIO 111, or permission of instructor

Laboratory: 4 Seminar: 2

Transferability:

UBC Biology 334

SFU Biology 202

BIO 321* Cell Biology 3 credits

A study of the ultrastructure and biochemistry of the cell.

Offered on sufficient demand

Prerequisites: BIO 110 and BIO 111, or permission of instructor

Laboratory: 4 Seminar: 2

Transferability:

UBC Biology 200

SFU Biology 201

BIO 322* Ecology 3 credits

A study of the interaction of organisms and their environment.

Fall semester on sufficient demand

Prerequisites: BIO 110 and BIO 111, or permission of instructor

Laboratory: 4 Seminar: 2

Transferability:

UBC Biology 321

SFU Biology 204

BIO 323* Developmental Biology 3 credits

A study of the processes of growth and development in plants and animals. Includes life cycles of organisms, processes in early development of plants and animals, regeneration, and the evolutionary aspects of development.

Offered on sufficient demand

Prerequisites: BIO 110 and BIO 111, or permission of instructor

Laboratory: 4 Seminar: 2

Transferability:

UBC Zoology 304

SFU Biology 203

BUSINESS**BUS 100 Business in Canada 3 credits**

A survey of the Canadian business scene: classification of business organizations and functional structures such as management, administration personnel, production, marketing. Much of this first-semester course is devoted to human relations in business.

Fall and spring semesters

Prerequisite: None

Lecture: 3 Seminar: 1

BUS 111 Small Business Management 3 credits

For the person who will face the problems of running a business and of filling the roles of office manager, stockkeeper, salesman, and personnel manager. Examines day-to-day administration and over-all organization of the business entity (proprietorship, partnership, limited company).

Offered on sufficient demand

Prerequisite: None

Lecture: 4

No transfer credit

BUS 112 Business Procedures for Interior Design 3 credits

An examination of cost and time controls and procedures used in the interior design industry.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 Seminar: 2

No transfer credit

BUS 121 Real Estate Law and Conveyancing 3 credits

Designed to upgrade the skills of para-legal employees in regard to the practice of land law, the land registry system of B.C., and the preparation of documents.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 Seminar: 2

No transfer credit

BUS 170 Office Systems and Equipment 1 3 credits

An introduction to capabilities of the commonly used adding and calculating machines, cash registers, copiers and duplicating equipment, microfilming, dictating equipment, etc.

Fall semester

Prerequisite: None

Lecture: 2 Laboratory: 2

No transfer credit

BUS 200 Fundamentals of Business 3 credits

An introduction to modern business: basic concepts and techniques of organization; focus on business problems and situations in extractive, process, manufacturing, and service industries. The emphasis is on managerial analysis and decision-making. Involves student participation of a research, analytical, and evaluative nature.

Fall and summer semesters
Prerequisite: None
Lecture: 2 Seminar: 2
Transferability:
UBC Commerce 190 (1½ units)
SFU Commerce 203 (3 credits)

BUS 201 The Business Profession — Seminar 1½ credits

This seminar course brings professional businessmen face-to-face with students in a series of weekly meetings. Diverse business fields (e.g. forest products, mining, transportation, retailing) and many executive functions (e.g. marketing, finance, sales, personnel) are represented. Professional problems, goals, decision processes, and strategies are discussed by the practitioners. Strongly recommended for graduating class in business, economics, and commerce transfer programs.

Spring semester
Prerequisite: None
Lecture: 1 Seminar: 1
No transfer credit

BUS 210* Management Essentials 3 credits

Managerial principals and methods: allocation of priorities to company's objectives and responsibilities; framing of policy, tasks of planning, organizing, staffing, and controlling the work of others to achieve objectives. Particular attention given to quantitative methods as managerial tools.

Fall and spring semesters
Prerequisite: BUS 100 or permission of instructor
Lecture: 3 Seminar: 1
No transfer credit

BUS 270 Office Systems and Equipment II 1½ credits

An introduction to manual one-write, key-sort, and machine systems. Covers applications such as billing, sales analysis, accounts receivable, accounts payable, expense distribution, inventory, payroll distribution, payroll writing. A practice set in one-write form is to be completed by students. A brief introduction to inter-relationships of basic functions such as purchasing, receiving, stockkeeping, production, selling disbursing.

Spring semester
Prerequisite: BUS 170
Lecture: 3 Laboratory: 1
No transfer credits

BUS 320 Business Law I 3 credits

A general review of the meaning, sources, and administration of commercial law, plus a more detailed examination of the law of contract with particular reference to business situations.

Fall, spring, and summer semesters
Prerequisite: None
Lecture: 2 Seminar: 2

Transferability:
With Business 420
CGA Law 108
SIA Commercial Law

BUS 330* Business Mathematics 3 credits

Basic computation and algebra. Mathematics of finance: interest, discounts, annuities, elementary probability theory.

Fall and spring semesters
Prerequisite: B.C. Math 11 or MAT 101
Lecture: 4
Transferability:
CGA Math 202
SIA Business Mathematics

BUS 340* Basic Business Finance 3 credits

The function of finance in business: management of assets and the need for funds, analysis of past financing and future funding needs, short-term and long-term funding analysis, and decision-making. Involves student participation of an analytical and evaluative nature.

Fall semester
Prerequisite: ACC 100 or 110
Lecture: 4
No transfer credit

BUS 341 Personal and Consumer Finance 3 credits

An introduction to planning and decision-making techniques to serve short-term and long-term personal financial objectives. Emphasis is on budgeting, effecting use of credit, insurance, investments, estate planning, and methods of pertinent financial calculations.

Fall semester
Prerequisite: None
Lecture: 4
No transfer credit

BUS 350 Personnel Practices and Administration 3 credits

For students with little or no experience in a supervisory business or industrial setting. Attention directed to problems involved in the maintenance of an efficient work force: human behavior in organizations, personnel programming, job analysis and evaluation, wage and salary administration, personnel recruitment and development, evaluation procedures, fringe benefits.

Fall, spring, and summer semesters
Prerequisite: None
Lecture: 4
Transferability:
SIA Organizational Behavior

BUS 351 Organizational Behavior 3 credits

A social-psychological perspective of business organization to enable the student to understand his role and the role of others within the organizational structure, the problems of individual adjustment to the organization, and the legal, political, and social environments of the organization.

Fall semester
Prerequisite: None
Lecture: 2 Seminar: 2
No transfer credit

BUS 380* Operations Management 3 credits

Designed to give personnel operating at first-line and second-line supervisory levels an understanding of the concepts, analytical techniques, and controls that contribute to sound decision-making by the production manager.

Offered on sufficient demand
Prerequisite: Second-year standing, or permission of instructor
Lecture: 4
No transfer credit

BUS 381 The Travel Agent 3 credits

Designed for travel agency personnel, those wishing to enter the travel industry, and others in industries connected with travel who wish to enter the broader agency field. Selling techniques and knowledge stressed.

Offered on sufficient demand
Prerequisite: None
Lecture: 4
No transfer credit

BUS 420* Business Law II 3 credits

A study of legislation on taxation, labor relations, combines, monopolies, insurance, negotiable instruments, banks and other financial institutions.

Spring semester
Prerequisite: BUS 320
Lecture: 4
Transferability:
With BUS 320
CGA Law 108
SIA Commercial Law

BUS 430* Business Statistics 3 credits

An introduction to business statistics, directed to the following topics: statistical collection and presentation of data; central tendencies; dispersions; simple regression; correlation; frequency distributions; probability and normal distributions; inference and forecasting; time series. Also sampling and sampling distributions; quality control; decision-making; estimation; tests of hypotheses; problems of prediction; planning business research; elementary operations research; Monte Carlo method; Chi-square.

Fall semester
Prerequisite: BUS 330
Lecture: 4
Transferability:
CGA Stat 203
SIA Quantitative Methods 1

BUS 440* Security Analysis and Investment 3 credits

Techniques of security and investment risk analyses, including examination of functions and operations of security markets, their methods of price determination, and essentials of portfolio growth and management.

Spring semester
Prerequisite: BUS 340 or permission of instructor
Lecture: 2 Seminar: 2
No transfer credit

BUS 441* Money and Financial Institutions 3 credits

An introduction to the process of financial intermediation, including the role of money and money substitutes; money supply and creation of credit; functions and practices of chartered banks, non-bank financial institutions, and the Bank of Canada; regulation of the banking system; and determination of interest rates.

Spring semester
Prerequisites: ECO 100 and second-year standing
Lecture: 4
No transfer credit

BUS 442 Credit and Collections 1½ credits

Basic consumer and commercial credit management including study of the role of credit, federal and provincial legislation governing credit transactions, types of credit instruments, credit policy and control, and collection techniques.

Spring semester
Prerequisite: None
Lecture: 2
No transfer credit

BUS 450 Supervisory Management 3 credits

Designed to give both first-level and second-level supervisors in industry, commerce, and social agencies a broader understanding of the theory and practice of fundamentals of supervision; and of the supervisor's responsibilities as a leader, implementer of ideas, co-worker, subordinate, and mediator.

Spring and fall semesters
Prerequisite: None
Lecture: 4
No transfer credit

BUS 451 Industrial Relations 3 credits

A survey of the Canadian labor scene: impact of trade unions on industry and commerce; union objectives; employer organizations and labor unions as institutions; existing labor legislation and trends; collective bargaining and labor-management relations; mediation and arbitration. The course is largely directed to current events, particularly in B.C.

Spring semester
Prerequisite: None
Lecture: 4
No transfer credit

BUS 452* Organization Administration 1½ credits

An analysis of organizational theory and structure including the role of the organization in society, evolution and growth, inter-relationship, system modification, and an examination of various organization models and their effectiveness.

Spring semester
Prerequisite: BUS 350 or 351
Lecture: 2
No transfer credit

BUS 453* Personnel — Evaluation and Research 1½ credits

An analytical approach to evaluation of the personnel process, including an examination of the factors and influences affecting policies and organizational effectiveness, management by objectives, statistical analysis, audit approach, and a review of current research, a look at future probabilities.

Spring semester
Prerequisite: BUS 350
Lecture: 2
No transfer credit

BUS 454* Wage, Salary, and Benefit Administration 1½ credits

An examination of remuneration policies and practices, both monetary and non-monetary, including wage and salary plans, pension funds, insurance, incentive and other benefit administration, together with consideration of pertinent statutes.

Spring semester
Prerequisite: BUS 350
Lecture: 2
No transfer credit

BUS 470* Douglas College — Business Simulation 1½ credits

A business-management computer simulation game that enables students to make period-by-period operating and planning decisions in a competitive environment covering the major functional areas of production, marketing, personnel, and finance.

Spring semester
Prerequisite: Fourth-semester standing
Laboratory: 2
No transfer credit

CHEMISTRY

Students intending to transfer to a major or honors program in chemistry are required to take the following courses in first year:

SEMESTER I	SEMESTER II
CHE 110	CHE 210
MAT 120	MAT 220
PHY 100 or 110	PHY 200 or 210

At UBC, Mathematics 131 is required, together with any two of Literature 101 to 120; Theatre 100; Creative Writing 100; Communications 100; plus six semester credits of electives.

At SFU, it should be noted that students who take Physics 110, 210 are given credit for Physics 201, 202, and 204, all of which are required.

Students may take their third and fourth semesters of chemistry at Douglas (which are equivalent to UBC Chemistry 205 and 230), but since our offerings are of a general nature, the universities have reserved the right to grant honors or major standing on the basis of individual performance, together with a recommendation from the department. The following courses should be taken:

SEMESTER III	SEMESTER IV
CHE 310, 320	CHE 410, 420
MAT 320	MAT 420

CHE 105 Introductory Chemistry 3 credits

For students with little or no background in chemistry. Topics covered are nomenclature, atoms, molecules and moles, chemical equations, states of matter, solutions, acids and bases, chemical equilibria, oxidation and reduction.

Offered each semester
Prerequisites: Chemistry 11 plus Mathematics 11 (or MAT 101), or Mathematics 11 (B grade or better), or Mathematics 12
Lecture: 3 Tutorial: 1 Laboratory: 3
Transferability:
UBC with CHE 110 Chemistry 103
SFU Chemistry 101 and 106

CHE 110* The Structure of Matter 3 credits

Stoichiometry, the modern view of the atom, theories of bonding and molecular structure, ideal and real gases, properties of the liquid state, solutions of electrolytes and non-electrolytes.

Offered each semester
Prerequisites: B.C. Chemistry 12 plus Math 11 (or MAT 101), or Chemistry 11 (A grade) plus Math 12
Lecture: 3 Tutorial: 1 Laboratory: 3
Transferability:
UBC with CHE 210 Chemistry 120
SFU Chemistry 104 and 115

CHE 210* Chemical Energetics and Dynamics 3 credits

Topics include solids, a review of redox reactions, electrochemistry, the laws of thermodynamics, equilibrium, acids and bases ionic equilibria, and chemical kinetics.

Offered each semester
Prerequisites: CHE 110 plus MAT 120
Lecture: 3 Tutorial: 1 Laboratory: 3
Transferability:
UBC with CHE 100 Chemistry 120
SFU Chemistry 105 + 2 unassigned credits

CHE 310* Physical-Inorganic Chemistry 3 credits

An introduction to chemical thermodynamics. Topics include the first law of thermodynamics and thermochemistry, entropy, free energy, chemical equilibrium in molecular systems, acid-base equilibrium, and applications to biology. Laboratory stresses physical methods in inorganic chemistry.

Fall semester
Prerequisites: CHE 210, or CHE 105 and CHE 110 (A or B grade), plus MAT 120
Lecture: 3 x 1 Seminar: 1 Laboratory: 1 x 3
Transferability:
UBC with CHE 410 Chemistry 205

CHE 320* Organic Chemistry — Principles 3 credits

A general organic chemistry course especially for students in home economics, nursing, agriculture, forestry, and the medical biological sciences. Deals with fundamental aspects of organic chemistry, as illustrated by the structure and properties of main functional groups such as alkanes, alkenes, arenes, alcohols, phenols, ethers, carbonyl compounds, and carboxylic acids and their derivatives.

Fall semester
Prerequisite: CHE 110 or CHE 210
Lecture: 3 x 1 Tutorial: 1 Laboratory: 1 x 3
Transferability:
UBC with CHE 420 Chemistry 230
SFU Chemistry 251 and exemption from Chemistry 256

CHE 410* Physical-Inorganic Chemistry 3 credits

Topics include chemical kinetics, electrochemistry and application of thermodynamics to phase equilibria and properties of solutions; chemistry of co-ordination compounds; and the application of spectroscopy in the determination of molecular structure.

Spring semester
Prerequisite: CHE 310
Lecture: 3 x 1 Tutorial: 1 Laboratory: 1 x 3
Transferability:
UBC with CHE 310 Chemistry 205
SFU 3 unassigned credits in Chemistry

CHE 420* Organic Chemistry — Principles and Application 3 credits

A continuation of CHE 320. Topics include optical isomerism; general reaction mechanisms in organic chemistry, followed by an introduction to the chemistry of carbohydrates, fats, proteins, and other compounds of biological interest (e.g. an alkaloid and a steroid).

Spring semester

Prerequisite: CHE 320 or equivalent

Lecture: 3 x 1 Tutorial: 1 Laboratory: 1 x 3

Transferability:

UBC with CHE 320 Chemistry 230

SFU Chemistry 252

COMMUNICATIONS — SEE ENGLISH**COMMUNITY SERVICES****COMS 100 Human Relations — Emotional Growth 3 credits**

For those who want to be more effective in relationships with others. Normal physical, emotional, and mental growth taught from a social work viewpoint. Emphasis is on individual worth, individual ability to change, and a variety of techniques.

Prerequisite: None

Tutorial: 4

No transfer credit

COMS 100* Child-Care Practice — Introductory 3 credits

A basic course to enable one to understand oneself as a beginning child-care worker, to gain fundamental knowledge of normal child growth and development, and to learn the essential skills required to work effectively with children and adolescents having unique needs in their daily routines and programs.

Prerequisite: Enrolment in the Child-Care Worker Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 111 Basic Skills for Group-Home Parents 3 credits

Designed for group-home parents to enhance their basic skills in providing care and nurture for children in group-home settings. The roles and responsibilities of the group-home parents are studied, as well as community resources affecting the functioning of individual group homes. The importance of relationships and child-developmental knowledge as these pertain to the practical group-living situation is an integral part of the course.

Prerequisite: Nil, but experience in the work is desirable

Four weekends

No transfer credit

COMS 121* Child-Care Administration and Organization 3 credits

Designed for students enrolled in the child-care worker program to acquire the necessary basic knowledge of administrative and organization aspects of a child-care program, legal and legislative framework for child-welfare services in general, and child-care programs in particular; and to understand the functions of these programs for the role of the child-care worker in the over-all structure.

Prerequisite: Enrolment in the Child-Care Worker Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 150* The Vocational Rehabilitation Process 3 credits

Provides workers in the field of rehabilitation with comprehensive understanding of the philosophy, history, and principles of rehabilitation; federal and provincial legislation pertaining to the rehabilitation process; scope of public and volunteer resources; and an over-view of various professions involved in the rehabilitation process. Emphasis is on co-ordinating functions of the vocational rehabilitation counsellor.

Prerequisite: Enrolment in Vocational Rehabilitation Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 151* Medical Aspects of Rehabilitation 3 credits

Basic understanding of medical aspects of various disabilities, their physical, psychological, and social implications in the process of rehabilitation, and their relation to vocational rehabilitation counselling.

Prerequisite: Enrolment in Vocational Rehabilitation Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 152* Vocational Rehabilitation Counselling 3 credits

An understanding of the counselling process, with special emphasis on its application to particular responsibilities and challenges of vocational rehabilitation counselling.

Prerequisite: Enrolment in Vocational Rehabilitation Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 153* Community Resources; Vocational Rehabilitation 3 credits

Detailed information on, and an analysis of, various community services — formal and informal, public and voluntary, traditional and newly established — which assist in assessment, treatment, and placement of rehabilitation clients. Special consideration to problems of communication and co-operation among resource groups.

Prerequisite: Enrolment in Vocational Rehabilitation Program

Lecture: 2 Seminar: 2

No transfer credit

COMS 160* Community Resources 3 credits

The student is exposed to the broad scope of existing and projected community resources in community information centres. Also studied are responsibilities of federal, provincial, and municipal governments for the delivery of both statutory and non-statutory services.

Prerequisite: Enrolment in Community-Service Worker Program. Other interested students permitted if seats available

Lecture: 2 Seminar: 2

No transfer credit

COMS 161* Social Services Skills and Methods 3 credits

Teaches one to work in a social service agency by learning organizational and evaluation techniques, grantsmanship, functional budgeting, basic research, and methods for effecting community development.

Prerequisite: Enrolment in Community-Service Worker program. Other interested students permitted if seats available

Lecture: 2 Seminar: 2

No transfer credit

COMS 170* Child Growth and Development — Introductory 3 credits

Provides students with necessary background knowledge of the general principles of child growth and development from conception to middle childhood. Introduction to some basic research methods used in child study.

Prerequisite: Enrolment in Day-Care Worker Program

Lecture: 4

No transfer credit

COMS 171* Working with Children — Introductory 3 credits

Enables students to achieve basic skills and techniques in planning and implementing developmental programs and guidance methods for young children.

Prerequisite: Enrolment in Day-Care Worker Program

Lecture: 4

No transfer credit

COMS 172* Workshop Seminar — Introductory 3 credits

Students participate in and plan various activities that are appropriate for use in day-care and pre-school centres. These include art and creative activities, music, rhythm and creative movement, science and social experiences, and communication through language and literature for young children.

Prerequisite: Enrolment in Day-Care Worker Program

Workshop: 4

No transfer credit

COMS 180* Child-Care Practicum 6 credits

Skills and knowledge taught in COMS 100 and in other related courses are put to practice each week as the students have involvement with children and adolescents in child-care settings or in programs with consultation.

Prerequisite: Enrolment in the Child Care Worker Program

Practicum in the field: Two days a week plus one full week

No transfer credit

COMS 181* Day-Care Practicum 6 credits

Offers students direct experience and involvement with young children in a diversity of field placement centres, including exposure to representative (realistic) and non-representative (ideal) day-care and pre-school settings.

Prerequisite: Enrolment in the Child-Care Worker Program

Practicum in the field: Two days a week (16 hours total)

No transfer credit

COMS 182* Community-Service Field Work 6 credits

Skills taught in Social Services 69-161 are applied during the twice-weekly field placement in a community setting.

Prerequisite: Enrolment in Community-Service Worker Program

Field Work: Two days a week

No transfer credit

COMS 190 Working With the Older Person 3 credits

Designed for those involved in caring for the older person, whether on a volunteer, paid, or family basis. Covers the social, psychological, and

physical aspects of aging and provides information and direction to assist one in dealing with them.

Prerequisite: None
Lecture: 2 Seminar: 2
No transfer credit

COMS 200* Human Relations — Emotional Maturity 3 credits

More effective relationships with others. Principles introduced in COMS 100 expanded, integrated, and reinforced by examples. Emotional awareness of wants and needs of others is cultivated by studying principles involved in case records.

Prerequisite: COMS 100
Seminar: 4
No transfer credit

COMS 210* Child-Care Practice — Advanced 3 credits

This course enables the student to integrate the principles and knowledge taught in the prerequisite course, expanding into the areas of family dynamics, group process, various therapeutic modalities, program approaches, and special needs relating to specific groups of children and adolescents.

Prerequisite: COMS 110
Lecture: 2 Seminar: 2
No transfer credit

COMS 221* Child-Care Policies and Procedures 3 credits

Designed for students enrolled in the Child-Care Worker Program to acquire the necessary basic knowledge of policies and procedures within the child-care field, as well as of the development and implementation of policies, procedures, and budgeting practice as related to child-welfare services in general and child-care settings and programs in particular.

Prerequisite: COMS 121
Lecture: 2 Seminar: 2
No transfer credit

COMS 260* Community-Work Seminar 3 credits

Brings together students who are working or volunteering in service agencies in the community to share experiences and problem-solving in a group setting.

Prerequisite: COMS 160
Seminar: 4
No transfer credit

COMS 261* Skills — Working in Groups 3 credits

This second-semester skills course concentrates on training the student to work effectively in task-orientated groups. It focuses on both content and process, and presents a functional leadership theoretical orientation.

Prerequisite: COMS 161 or permission of instructor
Lecture: 2 Seminar: 2
No transfer credit

COMS 270* Child Growth and Development — Advanced 3 credits

Investigation of theories regarding the development of personality from infancy to middle childhood. The importance of the developmental sequence and personality integration is emphasized. Techniques for recognizing and assessing personality strengths and weaknesses in young children are studied.

Prerequisite: COMS 170
Lecture: 4
No transfer credit

COMS 271* Working with Children — Advanced 3 credits

Students acquire further skills, knowledge, and attitudes that will enable them to plan a physical and social environment conducive to support and development of the child's total personality.

Prerequisite: COMS 171
Lecture: 4
No transfer credit

COMS 272* Workshop Seminar — Advanced 3 credits

Special attention to the utilization of play materials for the purpose of developing specific skills and interests in children.

Prerequisite: COMS 172
Workshop: 4
No transfer credit

COMS 280* Child-Care Practicum 6 credits

Students have further opportunity for practical application of knowledge acquired in course work in child-care settings or programs. Each week the students have direct involvement with children or adolescents with consultation.

Prerequisite: COMS 180

Practicum in the field: Two days a week plus one full week
No transfer credit

COMS 281* Day-Care Practicum 6 credits

Under the supervision and in-service assistance of sponsor supervisors and course instructors, the student gains further opportunity for practical application of knowledge acquired in the core courses.

Prerequisite: COMS 181
Practicum in the field: Two days a week (16 hours total)
No transfer credit

COMS 282* Community-Service Field Work 6 credits

Skills taught in COMS 261 are applied during the twice-weekly field placement in a community setting.

Prerequisite: COMS 182
Field Work: Two days a week
No transfer credit

COMS 300* Skills, Methods, and Techniques 3 credits

An exploration of the helping process, including study, diagnosis, and treatment. Methods of problem-solving and helping others are worked out in seminar discussions and used as effective working tools in relationships.

Prerequisite: COMS 200
Seminar: 2 x 2
No transfer credit

COMS 400* Problems of Abnormal Behavior 3 credits

Emphasizes development of a deeper understanding of abnormal behavior. Current methods of treatment and help used by professional social workers are studied.

Prerequisite: COMS 300
Seminar: 2 x 2
No transfer credit

CONSTRUCTION MANAGEMENT

MAT 102 Introductory Mathematics — See MAT 102

COM 110 Career Communications — See COM 110

COM 290 Applied Communications--See COM 290

CON 120 Construction Materials and Applications 3 credits

The planning, estimating, and supervising of a construction job requires detailed knowledge of materials, their characteristics, and how they are used. Course examines composition and applications of soil, concrete, and masonry. (Div. 1 to 4 of the Uniform Construction Index.)

CON 130 Drafting 3 credits

Includes basic skills of drafting, handling of drafting equipment, drafting layout, printing, titling, applied geometry, and drawing views. Provides a firm base for the construction blueprint reading course.

Prerequisite: None
Lecture: 1 Laboratory: 3
No transfer credit

CON 140* Construction Science 3 credits

Relates some of the physical laws to practical construction applications. Emphasis on elasticity, temperature, heat, heat transfer and insulation, humidity, thermodynamics, sound and sound insulation, electricity and illumination.

Prerequisite: B. C. Physics 11 or permission of instructor
Lecture: 3 Tutorial: 2
Transferability: BCIT with CON 240 equivalent to General Physics 33-104 and 33-204

CON 150* Construction Calculations 3 credits

Course aims at increasing mathematical skills to the degree where one is capable of carrying out calculations required during management of a construction job. Includes handling of desk calculators, applied trigonometry, vectors, logarithms, slide rule, probability, and equation-solving.

Prerequisite: Mathematics 11 or permission of instructor
Lecture: 3 Tutorial: 2
Transferability: BCIT Basic Technical Math 32-101

CON 170 Safety on the Project 2 credits

Familiarizes the student with safety hazards and safety procedures on the project, and with the Accident Prevention Regulations of the Workers' Compensation Board. Legal consequences of negligence are also discussed, as well as the status of the WCB and assessment principles for the construction industry.

Prerequisite: None
Lecture: 2 Seminar: 1
No transfer credit

CON 200 Introduction to Management 3 credits

An introductory survey course in general managerial principles and methods. Includes allocation of priorities to objectives and responsibilities; framing of policy; and tasks of planning, organizing, staffing, communicating, motivating, controlling, setting standards, performing appraisals, and decision-making.

Prerequisite: None
Lecture: 3 Laboratory: 1
No transfer credit

CON 220* Construction Materials and Applications 3 credits

A study of the use of steel, wood, plastic, and glass in the construction trade. Discusses fire safety, standards for materials, testing, and code rulings on material standards. Course should round out the student's knowledge of materials used both in estimating and on the job. (Div. 5 to 16 of the Uniform Construction Index.)

Prerequisite: CON 120
Lecture: 2 Tutorial: 2
No transfer credit

CON 230* Construction Blueprint Reading 3 credits

Relates principles and processes taught in CON 130 to construction blueprint reading. Teaches how to read and understand construction blueprints and specifications to carry out operations needed in quantity take-off, estimating, and related fields.

Prerequisite: CON 130 or permission of instructor
Lecture: 2 Laboratory: 2
No transfer credit

CON 240* Construction Science 3 credits

Defines some of the laws that describe the physical phenomena around us: forces and vectors, statics, moments and centre of gravity, power and energy, hydro statics, and hydro dynamics.

Prerequisite: CON 150 or permission of instructor
Lecture: 3 Tutorial: 2
Transferability:
BCIT with CON 140 equivalent to General Physics 33-104 and 33-204

CON 250 The Use of Computers in the Construction Industry 3 credits

An introduction to fundamentals of computer science, and to the managerial and administrative prerequisites for a meaningful, timesaving use of computers in industry generally and in the construction industry specifically.

ACC 240* Electronic Data Processing [Accounting] 3 credits

An examination of the function of the digital computer within the formation system of the firm and its relationship to the accounting department. The course deals with computer programming in both BASIC and COBOL languages, and reviews the computer's basic machinery.

Fall semester
Prerequisites: ACC 100 or ACC 110 and current enrolment in ACC 210
Lecture: 4
Transferability:
With ACC 440
CGA ICS 315
SIA Data Processing Equipment and Programming

CON 300* Construction Management 3 credits

Applies managerial principles and practices taught in CON 200 to managing construction firms. Explains how greater efficiency and profits may be obtained through careful planning, scheduling, and control operations. Defines company policies and standard procedures, cost control tools, and other matters. Also explains the activities and principles used in running a construction project.

Prerequisite: CON 200
Lecture: 3 Seminar: 1
No transfer credit

CON 301 Construction Law and Labor Relations 3 credits

Legal aspects of construction, including contract law as developed from principles of common law; and certain statutory laws, such as the Mechanics' Lien Act, which apply directly to construction activity. Part of the course also deals with the legal and organizational framework within which labor-management relations are conducted, as well as examining the major factors, both internal and external, that have an impact on labor relations within the B. C. construction industry.

Prerequisite: None
Lecture: 2 Seminar: 1
No transfer credit

CON 320* Construction Strength and Design 3 credits

Basic concepts involved in designing a system, from a structural member to a complete structure. An introduction to strength of materials and a few basic analyses and design formulas. Examines the utility of design tables commonly used to perform structural design.

Prerequisites: CON 150 and CON 220
Lecture: 2 Tutorial: 2
No transfer credit

CON 321 Construction [Urban] Geology 3 credits

A study of geologic factors, such as types of soils and their suitability for construction and for sewage disposal systems; reading and understanding of soil tests; groundwater; slope stabilities; suitability of building stones, etc. as they affect urban construction.

Prerequisites: CON 120, CON 220
Lecture: 2 Seminar: 2
No transfer credit

CON 330 Building Codes, Permits, and Inspections 3 credits

Familiarizes the student with the National Building Code (NBC), with electrical codes and health regulations, and how they effect the contractor's activities. Also deals with the Canadian Code for Residential Construction (NRCC No. 11562), as well as with provincial and municipal bylaws governing permit and inspection requirements.

Prerequisites: CON 120 and CON 220
Lecture: 2 Seminar: 2
No transfer credit

CON 360* Construction Estimating 3 credits

Fundamentals of building construction estimating (quantity take-off), use of estimating sheets, and preparation of a general estimate. Course integrates knowledge and understanding gained during the first two semesters of the Construction Management Program.

Prerequisites: CON 220 and CON 230, or enrolment in Construction Management Certificate Program, or employment in or experience with the construction industry

Lecture: 2 Tutorial: 2
No transfer credit

CON 390* Construction Surveying 3 credits

The elements of plane surveying. Includes surveying instruments, distance measurement, differential levelling, simple traverses, construction surveying, surveying notes, office computations. Designed to familiarize students with concepts of field surveying rather than to qualify graduates as surveyors.

Corequisite: CON 150, or enrolment in Construction Management Certificate Program

Lecture: 2 Tutorial: 3
No transfer credit

CON 400* Principles of Accounting and Financing 3 credits

How construction accounting fits into the basic framework of an accounting system. Includes preparation and analyses of financial statements, accounting for tax purposes, cash planning and cash flow analysis, investment analysis, credit management, dealing with sureties and bankers, insurance requirements, equipment accounting, and cost control.

Prerequisites: CON 110 and CON 200
Lecture: 2 Tutorial: 2
No transfer credit

CON 460* Construction Estimating and Bidding 3 credits

Applies principles taught in CON 360 to estimate material costs as well as miscellaneous and labor costs; also outlines overhead costs and profit allowances for complete construction projects. Co-operation of the estimator and the field personnel is stressed.

Prerequisite: CON 360
Lecture: 1 x 1 Laboratory: 1 x 3
No transfer credit

CON 491* Structure Types 3 credits

Studies different techniques and combinations of materials used in different types of structures for various construction projects. Course is based on principles taught in previous technical courses of the Construction Management Program.

Prerequisites: CON 230 and CON 360, or experience in the construction industry

Lecture: 3 Seminar: 1
No transfer credit

CON 492* Construction Scheduling 3 credits

Studies construction scheduling methods generally, and the use of critical path methods (CPM) scheduling, as well as symbols and activities of CPM.

Prerequisite: None
Lecture: 1 x 2 Tutorial: 1 x 2
No transfer credit

CON 493* Contract Management 3 credits

Applies principles taught in CON 300 to both administration of construction and trade contracts and administration of project management contracts.

Prerequisite: CON 300
Lecture: 2 Seminar: 2
No transfer credit

CRIMINOLOGY

CRI 101 Probation and Parole 3 credits

Origins and philosophy of probation and parole and their roles in the law enforcement process. Developments such as "half-way houses," "day parole," and "work releases," are studied. Examines controversial programs such as preventive detention, conjugal visits, and mandatory parole.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 102 Criminal Law 3 credits

A study of the division of responsibility between federal and provincial governments as set out in the BNA Act with respect to criminal law and administration of justice. Criminal Code of Canada, Narcotic Control Act, Food and Drug Act, and other federal and provincial statutes are studied. The Canadian court system is examined with emphasis on the B.C. structure.

Prerequisite: None
Lecture: 3
No transfer credit

CRI 103 Community Relations 3 credits

This course furthers the understanding, attitudes, skills, and knowledge of members of police forces or correctional agencies concerning their leadership roles in the community; also their understanding of ways to communicate to the citizenry the functions of law enforcement or correctional agencies, and to explore methods of coping with persons under stress in today's complex environment. Also considered are techniques that may be used to allay suspicions and hostilities which uniformed enforcement officers and certain members of sub-groups of society are said to have toward each other.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 104 The Prison Community 3 credits

A study of the sociological processes in the prison community. Primarily for persons employed in correctional areas or those aiming for a career in corrections. Inmate and staff communities are studied individually and as they interact.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 106 Introduction to Criminal Justice System 3 credits

An over-view of the criminal justice system that examines the historical role of the police and how it is evolving into one with a broader community base. The organization of police services is studied to show the jurisdiction of private, municipal, provincial, and federal forces. The student learns the role of provincial and federal corrections services, as well as the part played by private agencies in the field of rehabilitation and after-care.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 107 Community Agencies 3 credits

A study of the development of institutions designed to meet problems of urban-industrial society, with particular reference to Lower Fraser Valley and Greater Vancouver areas. Typical federal, provincial, municipal, and private agencies are examined, as well as problems faced by agencies and how to get service from them.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 108 Crime Causation 3 credits

Describes several types or levels of theory concerning causes of crime and delinquency: cultural, sociological, interpersonal, and individual. An attempt is made toward integration of theory and practical application.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 110 Deviance and Social Control 3 credits

This course, grounded in "the labelling theory of deviance," introduces students to the potentially radical perspectives of Lemert, Goffman, Becker, Laing, Szasz, etc. It examines the practicalities of everyday occupational routines in the criminal justice system, and the inherent consequences of social control agents and agencies.

Fall semester
Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 140 Interviewing 3 credits

The dynamics of interpersonal relationships which may be incorporated into an interviewing situation; verbal and non-verbal communication; feedback; barriers to effective interviewing; structures and functions of various types of interviews. A framework that can be used to evaluate the effectiveness of interviewing is provided so that students can more accurately interpret interviewing occurrences. Practical classroom experience is gained through involvement in role-playing, small-group discussion, case analysis, and actual interviewing.

Prerequisite: None
Lecture: 4
Transfer credit to be determined

CRI 204* Institutional Programs 3 credits

A detailed evaluation of various programs that can be operated within correctional institutions. Research is examined and criticized. The course is intended to identify institutional programs which are genuinely correctional, but also consistent with the need for control.

Prerequisite: CRI 104 or permission of program co-ordinator
Lecture: 2 Seminar: 2
Transfer credit to be determined

CRI 210 Processes of Criminology 3 credits

A survey of the major sociological views of criminality, including the sub-cultural, structural, and social psychological views. A concomitant analysis is made of the institutional pressures used to regulate crime in contemporary society.

Spring semester
Prerequisite: CRI 108 or 110
Lecture: 2 Seminar: 2
Transfer credit to be determined

CRI 380* Criminology Practicum 3 credits

Provides the student with a learning experience in the context of job experience with various agencies: police, corrections, probation, judicial.

Prerequisite: 15 semester hours of credit in Criminology Program
Transfer credit to be determined

CRI 381 Comparative Police Systems 3 credits

An in-depth study of the police system in a foreign jurisdiction, the jurisdiction varying from-semester to semester. The study is carried out in the field at the foreign jurisdiction. Travel expenses are the responsibility of the student.

Prerequisite: None
Corequisite: Currently employed as a peace officer
Study tour: Varying lengths
Transfer credit to be determined

ECONOMICS

ECO 100 Fundamentals of Economics 3 credits

An introduction to macro and micro economics: the nature of economics; gross national product and distribution of wealth; concept of interest; monetary policy and banking system; demand for factors of production; pure competition, imperfect competition, and monopoly. Emphasis is on relating the course content to current situations in the market place.

Fall and spring semesters
Prerequisite: Nil
Lecture: 4
No transfer credit

ECO 101 The Canadian Economy 3 credits

An analysis of the Canadian economy relating to a broad range of areas including growth, roles of business and government in society, foreign trade, and monetary and fiscal policies. Emphasis is on inflation, poverty, and unemployment. Student participation required.

Fall semester
Prerequisite: Nil
Lecture: 3 Seminar: 1
Transferability:
UBC 1½ units unassigned credit in Economics
SFU Economics 101 (3 credits)

ECO 110 Economic History 3 credits

The economic development of man through various stages of progress which laid the basis of our present-day economic system. Development of civilization, religion, social organization, and government as a result of changing economic circumstances. Covers the period from man's early beginnings to 1800.

Fall semester
Prerequisite: Nil
Lecture: 4
Transferability:
UBC 1½ units unassigned credit in Economics
SFU Economics 150 (3 credits)

ECO 111 Economic History of Canada 3 credits

The economic development of Canada from settlement to the present day. The economic relationship of Canada within the British Empire will be examined. Special attention will be paid to the influence of legislation on the economic development of Canada since Confederation.

Spring semester

Prerequisite: Nil

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in Economics

SFU 3 unassigned credits in Economics

ECO 201 Issues in Economic Development 3 credits

Describes economic conditions in Third-World countries, and examines factors promoting or hindering the process of economic development.

Spring semester

Prerequisite: Nil

Lecture: 4

Transferability:

UBC 1½ units unassigned in Economics

SFU Economics 102 (3 credits)

ECO 210 Economic History 3 credits

The economic development of Western Europe and North America since 1800. The differing economic systems of the 20th century are compared.

Spring semester

Prerequisite: Nil

Lecture: 4

Transferability:

UBC 1½ units unassigned credit in Economics

SFU Economics 152 (3 credits)

ECO 311 Principles of Macro Economics 3 credits

A framework is presented in which the components of national income are rigorously analyzed. Attention is focused on money and its role, the banking system and credit creation, multiplier analysis, and the role of government in the area of constraint and taxes.

Fall and summer semesters

Prerequisite: Second-year standing only if student plans to transfer this course to UBC and use it as a prerequisite to Economics 300 in the Faculty of Arts

Lecture: 1 x 2 Seminar: 1 x 2

Transferability:

*UBC (a) 1½ unassigned units in Economics or

(b) with ECO 411 — Economics 100 (3 units)

SFU Economics 205 (3 credits)

CGA With Economics 411 — ECON 304

SIA With Economics 411 Introductory Economics

*Transfer students taking Economics 100 at UBC may not also obtain transfer credit for Economics 311 only

ECO 411 Principles of Micro Economics 3 credits

An analysis of economic problems related to the firm and the individual in both perfectly and imperfectly competitive markets, and the determination of price in both the goods and the productive factors markets.

Spring and summer semesters

Prerequisite: Second-year standing only if student plans to transfer this course to UBC and use it as a prerequisite to Economics 300 in the Faculty of Arts

Lecture: 3 Seminar: 1

Transferability:

*UBC (a) 1½ unassigned units in Economics or

(b) with ECO 311 — Economics 100 (3 units)

SFU Economics 200 (3 credits)

CGA with Economics 311 Introductory Economics

*Transfer students taking Economics 100 at UBC may not also obtain transfer credit for Economics 411 only

ENGLISH AND COMMUNICATIONS

[See subheadings for specific courses]

LITERATURE**EXPOSITORY WRITING****CREATIVE WRITING****COMMUNICATIONS****Career Communications****Applied Communications****Film****Journalism****WRITING SKILLS****ENGLISH AS A SECOND LANGUAGE****A. Composition:**

Students in English courses are expected to demonstrate basic language skills in grammar, punctuation, spelling. Deficiencies will be noted by instructors and must be corrected by the student. For students whose native language is not English, the department may require successful completion of COM 140 as a condition of admission to its other courses. The Student Centre on each campus will have programmed, self-help material for the student's use. An English instructor will also be present at specified periods to assist the student in the use of these materials, as well as other composition problems.

Beginning in September 1975, all first-year literature courses will devote a minimum of one-third class-time to specific instruction of composition skills. The emphasis will be on these skills which are directly pertinent to the preparation of literature essays. To facilitate this, the Douglas College **Composition and Style Handbook** (or a similar suitable text) will appear as part of the required reading list on all first-year literature courses. To avoid repetition from first to second semester, the format of this composition component will be flexible enough to accommodate students enrolling in September and January.

B. All First-Year Literature Courses 100 Through 116

1) First-year literature courses will be concerned with examination and textual analysis of selected primary texts as well as the presentation of literary terms and concepts.

These courses will provide the student with a substantial framework from which to develop his own critical facilities, as well as giving the student the necessary grounding from which to proceed to more advanced study.

2) Although the most obvious aspect of first-year courses is one of exposure to the literature of the 20th century, many courses will extend this period in order to provide perspective and to avoid the inevitable restrictions imposed by an arbitrary time period.

3) There are no prerequisites for the first-year courses except those indicated in the Calendar concerning standards of language competence. For particulars of credit and transferability, the student is asked to refer to the individual course descriptions herein.

4) The actual format of each class — whether lecture, seminar, group activities, or a mixture of them — will be the prerogative of the instructor.

5) The reading requirements of all first-year courses will be approximately equal. It might be expected that in the case of fiction courses a minimum requirement of **five** authors will be studied; in poetry courses, a minimum of **three** poets. Most courses will deal with more work depending on the particular genre.

6) All first-year courses will require at least **four** evaluated assignments. Of these, at least **two** will be essays. Other types of assignments may be used such as oral presentations, independent library research, seminars, and final or mid-term examinations.

7) Although it is undesirable to compel an individual student to attend classes, the student is responsible for keeping himself informed of the short-term and long-term requirements of the language skills — grammar, punctuation and spelling. Deficiencies

8) Students in English courses are expected to demonstrate basic language skills - grammar, punctuation, and spelling. Deficiencies will be noted by instructors and must be corrected by the student.

C. All Second-Year Literature Courses 310 Through 319

1) Second-level courses are differentiated from first-level courses in that they will require more demanding reading than first-level courses; will concentrate on specifically literary concerns rather than general thematic concerns; may require the use of secondary sources, and also may require a research paper.

2) For admission to second-level courses in English literature, students are required to have first-level standing (grade-point average of 2.0 or better) in any **two** courses from list A, or **one** from list A and **one** from list B.

LIST A

LIT 100 to 116 inclusive
THEA 100

LIST B

COM 100,200
CWR 100, 200
COM 160
COM 290

3) For particulars relating to College credit and transferability to other institutions, the student is asked to consult the individual course descriptions herein.

4) Students in English courses are expected to demonstrate basic language skills: grammar, punctuation, and spelling. Deficiencies will be noted by instructors and must be corrected by the student.

5) In second-level courses there will be differences in focus; some courses will focus on the historical literary tradition — the "survey" courses — while others will focus either on a particular genre such as poetry or drama, or on "major writers." Whatever the case, the reading requirements of all second-level courses will be approximately equal.

6) It might be expected that in the case of historical courses a minimum of **six** authors will be studied; in the genre courses, a minimum of **five** authors.

7) All second-level courses require at least **four** evaluated assignments. Of these at least **TWO** will be essays. Other types of assignments may be used such as seminars, in-class essays, oral presentations, research papers, and mid-term or final examinations.

8) Students are responsible for keeping themselves informed of the short-term and long-term requirements of the particular course, and for meeting these obligations.

D. Transfer Information for UBC and SFU

UBC: Students desiring transfer credit for first-year English at UBC (English 100 — three units of UBC credit) will normally require six semester hours of Douglas College credit; that is, two courses selected from LIT 100 to LIT 114 inclusive (with the exception of LIT 112), COM 100, COM 200, THEA 100.

Students desiring transfer credit for second-year English at UBC (English 200 — three units of UBC credit) will require six semester hours of Douglas College credit; that is, two courses selected from LIT 314, 315, 316, 317 and 319.

Students desiring to **major** or **honor** in English should complete the courses at Douglas that will give them transfer equivalence to English 100 and English 200 at UBC. In the case of English 200, the two Douglas courses selected must be LIT 316 and 317.

Certain UBC faculties have alternative literature requirements (Literature 200) and do not require the completion of English 200 or its equivalent. See UBC calendar for the literature requirement of a specific faculty.

SFU: Consult counsellors or SFU calendar for the literature requirement of a specific faculty.

Students desiring to **major** or **honor** in English should take courses at Douglas that will give them transfer credit for:

- 1) Any two of SFU English 101, 102, 103;
- 2) Both of SFU English 202 and 203;
- 3) And take one literature course at Douglas which has transfer credit (assigned or unassigned) and which has not already been taken for credit under 1) or 2) above.

LITERATURE**LIT 100 Images of Women in Literature 3 credits**

A study of the images of women in literature. As a mirror of some of the central myths and archetypal roles of women, the work of such writers as Margaret Atwood, D.H. Lawrence, Iris Murdoch, Philip Roth, Shaw, and Sylvia Plath provides a map of the territory of female experiences. The course might also include the reflections of women in visual and musical forms. Through an analysis of woman's experience and its literary expression, we examine woman's quest to find a meaningful sense of private and public "place" in the modern world.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature, exempts from English 101

LIT 101 The Canadian in Time and Place 3 credits

The rationale behind this course is primarily that of exposure to the wealth of Canadian literature. The focus is on the works of prose — novels, essays, and short stories — with occasional reference to poetry. It explores varieties of expression in terms of milieu and region, and examines qualities of rural and urban literature. The essential dichotomy that is Canada — the seeming splits between east and west, town and country, French and English — is explored in detail.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature, exempts from English 101

LIT 102 Order from Chaos 3 credits

A study of selected poetry and prose by significant modern writers. The student studies individual works in detail, focusing on the writer's attempt to transform the chaos of personal and social experience into the order of a disciplined work of art. The course assumes, as its major focus, an evaluation of the resonance between a writer's form and content. Designed for those who are anxious to develop critical awareness and are also interested in relating personal viewpoints to reading experiences.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature, exempts from English 101 or 102 (student's choice)

LIT 103 The Liberated Vision 3 credits

The reading, study, and discussion of major literary works often referred to as visionary or prophetic. The major works of writers such as D.H. Lawrence, William Faulkner, William Blake, and Franz Kafka are examined and compared, with emphasis on the individuality of statement and perspective of these writers. The visions of social reform and the human condition, mystical experiences, and religious prophecy are considered in conjunction with the literary aspects of each work.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature, exempts from English 101

LIT 104 Contemporary Prose: The Reader's Quest 3 credits

This course gives the student an understanding of the complexities arising from the modern industrial and technological order by providing the opportunity to read and discuss works of contemporary prose writers.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature

LIT 105 The Isolated American 3 credits

A study of novels and short stories of major authors such as Hawthorne, Melville, James, and Hemingway. There is close analysis of themes and literary devices, as well as consideration of characteristic concerns in American fiction, such as isolation from society and achievement of a satisfactory sense of self.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature, exempts from English 101

LIT 106 The Contemporary Novel 3 credits

This course caters to individual interests and pursuits in relation to the contemporary novel. It illustrates the scope of the novel and provides techniques for appreciation, analysis, black humor, stream of consciousness, depersonalization, heightened realism, and the autobiographical "non-novel." By "contemporary" the course means the qualities of alienation, fragmentation, and breakdown that define the modern world.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 credits English 101

LIT 108 The Bible as Living Literature 3 credits

A study of the literature of the Bible. Concentrates on Old Testament and Christ's life and teachings. Genres include the short story, poetry, drama, history, biography, wisdom, and apocalyptic literature. Attention is given to archaeological discoveries of ancient tablets and manuscripts, and to myths and legends rooted in antiquity which are common to many cultures, both ancient and modern.

Offered on sufficient demand

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature

LIT 109 Man in Conflict 3 credits

Consists of works that reflect the major trends in English literature of the transitional period 1870-1918. The student considers the revolution in ideas and social forces, revealed through close study of specific works.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 unassigned credits in Literature

LIT 112 Children's Literature 3 credits

This course surveys the range of literary experiences important in the first eight years of childhood, available through oral poetry, storytelling, and books. Attention is given to the problems of book selection and presentation, the art of storytelling, and the role of audio-visual aids.

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: Not applied for

SFU: Not applied for

LIT 114 The Poet in the Poem; Studies in 10th-Century Poetry 3 credits

A study of representative works of 20th-century American, British, and Canadian poets including such writers as E.E. Cummings, Dylan Thomas, and Irving Layton. By focusing on themes and critical evaluative techniques, the course is directed toward the development of practical, interpretative skills in reading poetry, and in approaching the various poetic forms modern poets have chosen to render their individual visions of man's condition. The readings are appropriately related to traditions in the genre of poetry.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100

SFU: 3 credits English 102

LIT 115 Great Works of Western Literature 3 credits

Representative examples of Western literature, such as The Odyssey, Oedipus the King, Crime and Punishment, and Dr. Faustus, are studied to demonstrate aspects of the Hebraic and Greco-Roman traditions, the

origins of Western literature, mythologies of different ages, and to offer a sense of the wholeness of literature. The focus of this course differs from that of 91-116.

Offered on sufficient demand
Prerequisite: None
Lecture: 1 Seminar: 2 Other: 1
Transferability:

UBC: 1½ units unassigned credit, Faculty of Arts (does not carry credit for English majors or Faculty of Arts Literature requirement)
SFU: 3 credits English 225

LIT 116 Great Works of Western Literature 3 credits

Representative examples of Western literature, such as *The Odyssey*, *Oedipus the King*, *Crime and Punishment*, and *Dr. Faustus*, are studied to demonstrate aspects of the Hebraic and Greco-Roman traditions, and the origins of Western literature, mythologies of different ages, and to offer a sense of the wholeness of literature. The focus of this course differs from that of LIT 115.

Offered on sufficient demand
Prerequisite: None
Lecture: 1 Seminar: 2 Other: 1
Transferability:

UBC: 1½ units unassigned credit, Faculty of Arts (does not carry credit for English majors or Faculty of Arts Literature requirement)
*SFU: 3 credits, English 225
*If both 91-115 and 91-116 have been taken, credit will be English 225 (3 credits) and 3 unassigned credits in Literature.

THEA 100 A Prism of Man and the Drama: Insights and Happenings 3 credits

Course deals with the dilemma of man and with his complexity as revealed in representative works of modern drama. Emphasis is on perception and on participation in both seminar discussions and oral readings. The drama is considered as an expression of man and as a cultural force.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 100, also 1½ units unassigned credit in Theatre
SFU: 3 credits English 103

Advanced Literature

LIT 310* 19th-Century Continental Literature in Translation 3 credits

An introduction to major 19th-century works in various genres. Besides analysis of representative literary techniques, students consider aspects of the literary and cultural complex from which these major works were drawn; for example, developments such as romanticism and naturalism.

Fall semester

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Literature
SFU: 3 credits English 225

LIT 311* 20th-Century Continental Literature in Translation 3 credits

An introduction to major 20th-century works in various genres. Besides analyzing representative literary techniques, students consider aspects of the literary and cultural complex: for example, Soviet censorship or French existentialism.

Spring semester

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Literature
*SFU: 3 credits English 225
*If both LIT 310 and 311 have been completed, credit will be English 225 (3 credits) and 3 unassigned credits in Literature.

LIT 312* Language Studies and Literary Interpretation Stylistics 3 credits

Various concepts of style and current theoretical positions about language and its use are analyzed. Readings include poetry by Dylan Thomas, e. e. cummings; novels by Hemingway and Joyce Cary; and essays in linguistics and language.

Offered on sufficient demand

Prerequisite: First-year English (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in second-year Literature
SFU: 3 credits English 212

LIT 313* Studies of Major Writers 3 credits

Critical approaches are employed in examining and evaluating works of major writers of central importance to literary history, including Dickens, Donne, and Shaw. The student studies both the writer's principal works and appropriate works of his contemporaries, with emphasis on understanding the writer's central themes. The student may also read the writer's non-literary work, a biography, and appropriate works of literary criticism.

Offered on sufficient demand

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in second-year Literature
*SFU: 3 unassigned credits in Literature, exempts from English 202 or 203 (student's choice)
*If a student has completed any two of LIT 313, 316, 317, credit will be assigned as English 202, 203 (6 credits)

LIT 314* Poetics 3 credits

A consideration of poetic theories from Aristotle to T. S. Eliot, including the works of Ruskin, Arnold, Coleridge, and Ezra Pound. The poetry of Donne, Shakespeare, and Hopkins is also examined as well as the work of some contemporary poets. The course explores the form and structure of poetry in order to approach the field with imagination and a critical perspective.

Offered on sufficient demand

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in second-year Literature
SFU: 3 credits English 203

LIT 315* The Comic Voice: Studies in Comedy 3 credits

Representative works are studied and related to theories and traditions of comedy. A diversity of novels and drama, such as Shakespeare's *Twelfth Night*, Dickens' *The Pickwick Papers*, and Synge's *The Playboy of the Western World*, demonstrates the scope and depth of the comic genre.

Offered on sufficient demand

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in second-year Literature
SFU: 3 credits English 202

LIT 316* Readings in the English Literary Tradition: 14th to 18th Centuries 3 credits

Representative works from literature of the 14th through 18th centuries are studied and appropriately related to English literary tradition.

Spring and fall semesters

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 201
*SFU: 3 unassigned credits in Literature, exempts from English 202 or 203 (student's choice)
LIT 316 and 317 required for intending English majors
*If a student has completed any two of LIT 313, 316, 317, credit will be assigned as English 202, 203 (6 credits)

LIT 317* Readings in the English Literary Tradition: 18th to 20th Centuries 3 credits

Representative works from literature of the 18th, 19th, and early 20th centuries are studied and appropriately related to English literary tradition.

Spring and fall semesters

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units English 201
*SFU: 3 unassigned credits in Literature, exempts from English 202 or 203 (student's choice)
LIT 316 and 317 required for intending English majors
*If a student has completed any two of LIT 313, 316, 317 will be assigned as English 202, 203 (6 credits)

LIT 318* The Science-Fiction Novel: A Critical Approach 3 credits

The reading of a selection of science-fiction works by such writers as James Blish, Isaac Asimov, Robert A. Heinlein, Arthur C. Clarke; and works of fantasy, including C. S. Lewis and J. R. R. Tolkien. Critical works related to the field are examined.

Offered on sufficient demand

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: no transfer credit
SFU: 3 unassigned credits second-year Literature

LIT 319* The English Novel: Its Development 3 credits

Traces development of the English novel from the 18th to 20th centuries. Styles and themes of representative novelists of the period are studied.

Offered on sufficient demand

Prerequisite: First-year standing (see introductory English note)

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in second-year Literature
SFU: 3 credits English 202 or 3 unassigned credits second-year Literature, if 202 otherwise obtained.

Expository Writing

COM 100 Expository Writing 3 credits

Includes the reading and study of essays and selections from essays, the writing of essays on expository types, and lectures on principles of composition. Primary emphasis is on the writing of essays. Students are expected to revise corrected essays to eliminate individual composition problems.

Spring, fall, and summer semesters
 Prerequisite: None
 Lecture: 2 x 2
 Transferability:
 UBC: 1½ units English 100
 SFU: 3 unassigned credits in English

COM 200* Advanced Exposition and Argument 3 credits

A study of rhetorical style from the viewpoint that good style is primarily a matter of making wise choices from a range of possibilities. Through reading examples, the student discovers choices made by good writers. The student's own style is developed and studied through his own writing.

Offered on sufficient demand
 Prerequisite: COM 100 or instructor's permission
 Laboratory: 2 x 2
 Transferability:
 UBC: 1½ units English 100
 SFU: 3 unassigned credits in English

Creative Writing

CWR 100 The Short Story 3 credits

A workshop in the craft of short-story writing. The nature of the story — its compression of time — is examined in works of major authors. Students are encouraged to write stories which are then evaluated by instructor and classmates.

Spring and fall semesters
 Prerequisite: None
 Laboratory: 2 x 2
 Transferability:
 UBC: 1½ units Creative Writing 202
 SFU: 3 unassigned credits in Literature

CWR 200* Short Story, Poetry, Drama and Novella 3 credits

A workshop in the craft of short-story, poetry, drama, and novella writing. The nature of each of these art forms is examined in the works of major authors. The student is encouraged to continue writing in the form in which he shows the most promise, his work being discussed by instructor and classmates.

Spring semester only
 Prerequisite: CWR 100
 Laboratory: 2 x 2
 Transferability:
 UBC: 1½ units Creative Writing 202
 SFU: 3 unassigned credits in Literature

Communications

COM 110 Career Communications 3 credits

Covers the techniques of writing business and professional communications, and applies these techniques through a learn-by-doing method to letters, memoranda, and reports. Assignments are directed to the special requirements of the various career programs.

Spring and Fall Semesters

Spring and fall semesters
 Prerequisite: None
 Lecture: 2x2
 Transferability:
 SIA Report Writing

COM 160 Introduction to Film 3 credits

A basic introduction to the grammar of film. The first half of the course examines film history, basic vocabulary of film, the shot unit and its flexibility, camera angles, lighting, sound as complement to the moving image, and the function of the shooting script. The last half involves an analysis of a series of thematically linked films.

Prerequisite: None
 Lecture: 2 Seminar: 2 Film and laboratory
 Transferability:
 UBC: No transfer credit
 SFU: 3 unassigned credits in Communications

COM 290 Applied Communications

This course, directed to career students, gives the learner practical experience in applying oral and written skills to job-communications situations. Topics include persuasion and motivation strategies; conduct of and participation in business meetings; the arts of listening and observation; and various types of internal and external business communications.

COM 165 Journalism 3 credits

This course will embrace aspects of newspaper work and will include: news gathering, writing, editing, head writing and page makeup. Students will also learn how to select and shoot photographs. There will be some training in the collecting and design of advertising copy, as well as in editorial and business management and the production and distribution of newspaper.

Spring and fall semesters
 Prerequisite: None
 Lecture: 1 Laboratory: 3
 No transfer credit

Spring and fall semesters
 Prerequisite: None
 Lecture: 2x2
 No transfer credit

Writing Skills

SD 120 Writing Skills 1 credit

A seven-week course emphasizing the basic principles of factual writing. It includes a review of basic rules of grammar, sentence structure, and punctuation, with practice in writing for clarity and interest. Students use some programmed material and follow a work-at-your-own-speed pattern of learning.

Prerequisite: None
 Lecture: 2
 No transfer credit

English as a Second Language

COM 140 English for Non-Native Speakers 0 credit

An intensive course for students whose native language is not English. This course is designed to bring students to the level of language usage required for a first-semester English course in the career and transfer programs. This course has no college credit, therefore fees are determined by the number of hours per week of instruction.

Offered on sufficient demand
 Prerequisite: None
 No transfer credit

COM 141 English for Non-Native Speakers: Advanced Tutorial 0 credit

A composition course that stresses the finer points of usage and idiom. An adjunct course for students who are competent enough to take Douglas College English courses but need additional help in pronunciation and composition.

Offered on sufficient demand
 Prerequisite: None
 No transfer credit

ENVIRONMENTAL STUDIES

ENS 100 Environmental Management Seminar 3 credits

Designed for those who seek a deeper understanding of today's environmental problems, this course explores man's changing attitudes towards his environment; the legal, economic, and social factors involved in environmental decisions in Canada; and some basic ecology as it relates to these problems. Specific topics in resource management are explored in depth, with emphasis on British Columbia and the Douglas College region. Students participate in the seminars and prepare research projects for the class. This seminar may be taken as the core course in an environmental studies multi-disciplinary program, or as an independent course.

Fall semester
 Prerequisite: None
 Lecture/Seminar: 1x2 hrs. Student-directed learning 1x2 hrs.
 Transferability:
 UBC 1½ units unassigned credit Arts

ENS 200 Environmental Management Seminar 3 credits

This is the second-semester course in the two-part seminar on environmental management. It uses the basis established in the first semester for deeper studies of resource management in the Lower Mainland. Students choose the topics for project work.

Spring semester
 Prerequisite: ENS 100
 Lecture/Seminar: 1x2 hrs. Student-directed learning 1x2 hrs.
 Transferability:
 UBC 1½ units unassigned Arts credit

FASHION

FAS 100 Fundamentals of Pattern Drafting 5 credits

A study of some basic principles of industrial pattern drafting, including an introduction to the metric system and its application to pattern and body measurements. The proper use of drafting equipment, the technique of taking measurements for made-to-measure garments, and some basic principles of proportional calculation are covered in detail.

Prerequisite: None
 Lecture: 4 Laboratory: 3
 No transfer credit

FAS 120 Fundamentals of Fashion Design 5 credits

The fundamentals of garment design such as line, silhouette, proportion, and rhythm, and their relation to figure and personality. Particular emphasis on creativity and originality through a developed sensitivity to inspirational sources. Several original designs selected for construction into half-scale models.

Prerequisite: None
 Lecture: 3 Laboratory: 4
 No transfer credit

FAS 121 Modelling and Finishing 2 credits

Students learn to model and show garments to advantage. Emphasis on individual grooming and preparation for fashion shows.

Prerequisite: None
Lecture: 2 Laboratory: 2
No transfer credit

FAS 122 Design and Textiles 5 credits

Covers the fundamentals of garment design such as line, silhouette, proportion, rhythm, and their relation to figure and personality. Emphasis on garment design through a study of fabric characteristics. Half-scale models are created from inspiration, with several simple models being selected for full-scale construction.

Prerequisite: None
Lecture: 3 Laboratory: 3
No transfer credit

FAS 130 Fundamentals of Garment Construction 1 credit

Instruction in the safe and efficient operation of the industrial straight-sew machine and steam iron. Emphasis is on learning industrial terminology, and acquiring skills in basic construction techniques related to seams, hems, button holes, zippers, plackets, etc., and on the variations governed by fabric and style.

Prerequisite: None
Lecture: 1 Laboratory: 2
No transfer credit

FAS 140 Fashion Illustration 3 credits

An introduction to drawing and sketching using pencil, charcoal, and pastels. Emphasizes perspective and proportion, anatomy, and tone values. Once a sound foundation is attained, the student develops confidence and individuality in drawing.

On sufficient demand
Prerequisite: None
Laboratory: 3 x 2
No transfer credit

FAS 170 Creative Apparel Design and Production 3 credits

A comprehensive introduction to apparel design and the translation of a design into the finished garment. The student learns the elements of creative design, and produces a pattern and a finished garment as a final project. Information about history and the principles of clothing design is provided. It is assumed that the student has a firm grasp of sewing techniques.

Prerequisite: None
Laboratory: 1 x 2 Seminar: 1 Field experience: 1
No transfer credit

FAS 200* Fundamentals of Pattern Drafting 5 credits

Students are exposed to the methods of drafting patterns for various simple styles and learn the basic design-room techniques of full-size pattern drafting and style development.

Prerequisite: FAS 100
Lecture: 4 Laboratory: 3
No transfer credit

FAS 220* Fashion Design and Textiles 5 credits

Students become aware of the limitations imposed on garment design through a comprehensive study of fabric texture and finish found in knitted, woven, and compressed clothes, and how these factors influence style and utility. Half-scale models are created with several simple models being selected for full-scale construction.

Prerequisite: FAS 120
Lecture: 3 Laboratory: 4
No transfer credit

FAS 230* Fundamentals of Garment Construction 3 credits

Students become familiar with more complex construction techniques and begin to acquire expertise on the industrial straight-sew machine. Emphasis is on procedures related to the assembly of pockets, sleeves, and collars. Half-scale garment models are made and basic instruction is given in constructing professional full-scale garment samples. Students are introduced to professional layout and cutting techniques.

Prerequisite: FAS 130
Lecture: 2 Laboratory: 4
No transfer credit

FAS 240 Fashion Illustration 3 credits

a continuing study of the figure: proportion and perspective, free sketching, and finished art. Includes wash and ink rendering and water color as applied to fashion illustration.

On sufficient demand
Prerequisite: FAS 140
Laboratory: 3 x 2
No transfer credit

FAS 300* Pattern Drafting and Draping 5 credits

Students become familiar with techniques involved in drafting more complex patterns for dresses, as well as fundamental drafts for pants, coats, and children's wear. Drafting fundamentals are expanded to include the special requirements of theatre costumes. The principles and applications of french draping techniques relevant to theatre costume development are covered.

Prerequisite: FAS 200
Lecture: 3 Laboratory: 4
No transfer credit

FAS 320* Fashion Design and Color Co-ordination 5 credits

Students are exposed to the further limitations placed on garment design by the effects of color. Color, color psychology, and color co-ordination are related to figure and personality factors. Contemporary fashion trends are analyzed from a historical, psychological, and sociological viewpoint. The special requirements for theatre costume design are studied, with students creating costumes for a live production.

Prerequisite: FAS 200
Lecture: 3 Laboratory: 4
No transfer credit

FAS 330 Garment and Costume Construction 3 credits

The more complex construction techniques involved in assembling garments made of leather, silk, plastic, jersey, velvet, etc. Theatre costumes are constructed with emphasis on use of the straight-sew machine to create decorative effects. Includes professional procedures used in fitting the finishing garments and installing linings, interlinings, and interfacing.

Prerequisite: None
Lecture: 1 Laboratory: 5
No transfer credit

FAS 340 Fashion Illustration 3 credits

Emphasizes the figure and garment; how the garment dictates the pose; use of various media; interpreting fabrics and furs, accessories, features, and patterns; visuals of men's and children's fashions; and art for reproduction in line, halftone, and color.

On sufficient demand
Prerequisite: FAS 240
Laboratory: 6
No transfer credit

FAS 370 Fashion Merchandising 3 credits

This course examines and describes garment construction, color co-ordination, accessories, the fashion cycle, and fashion buying techniques.

Prerequisite: None
Lecture: 2 Seminar: 2
No transfer credit

FAS 390 History of Costume 3 credits

A survey from earliest times to the 17th century. Included is dress of ancient Orient and Egypt, Greece, Rome, Feudal Europe, and the Renaissance. Open to students in other programs.

Prerequisite: None
Lecture: 3 x 1
No transfer credit

FAS 400* Advanced Pattern Drafting and Grading 5 credits

Students begin to acquire professional expertise in drafting the patterns of more complex garment designs, such as swim wear and lingerie. Emphasis is on the technique of translating original designs into full-scale pattern replicas. The principles and techniques involved in size grading and miniature pattern drafting are covered.

Prerequisite: FAS 300
Lecture: 3 Laboratory: 4
No transfer credit

FAS 420* Creative Fashion Design and Textiles 5 credits

A study of various methods of dyeing, printing, and batik. A research of the modern garment and textile industries is required. Students are expected to design a complete line of clothing from which several garments are selected for fabrication to be shown in displays and fashion shows.

Prerequisite: FAS 320
Lecture: 3 Laboratory: 4
No transfer credit

FAS 430* Advanced Garment Construction and Finishing 3 credits

Students are introduced to and acquire experience on other industrial power equipment indigenous to the garment industry. The henner, serger, overseam, and zig-zag machines are used to assemble original garments for the annual fashion show. All garments must meet professional standards of cut, fit, and finish.

Prerequisite: FAS 300
Lecture: 2 Laboratory: 4
No transfer credit

FAS 440* Fashion Illustration 3 credits

The student develops a portfolio through assignments involving previous subject areas, presenting problems closely related to those in the field and completing the portfolio within deadlines on a professional basis for presentation at employment interviews.

On sufficient demand
Prerequisite: FAS 340
Laboratory: 6
No transfer credit

FIRE SCIENCE**FIRE 100 Chemistry of Fire 3 credits**

Presents the chemical knowledge that is essential to anyone concerned with the fire-fighting community for the safe and efficient performance of his tasks. Includes characteristics of matter, gases, fundamental principles, combustion and heat, atomic energy, and radiation.

Prerequisite: None
Lecture: 2 Laboratory: 2
No transfer credit

FIRE 101 Survey of Fire Science 3 credits

Describes roles of volunteer, industrial, marine, aviation, municipal, provincial, and federal fire-fighting authorities. Although fire insurance, prevention and protection, suppression, and investigation are later treated separately, this survey includes a brief historical study of these areas and examines their functional inter-relationship.

Prerequisite: None
Lecture: 2 Laboratory: 2
No transfer credit

FIRE 270* Fire Insurance 3 credits

Commencing with basic reasons for obtaining fire insurance and a profile of national fire losses, this course discusses the roles of broker, adjuster, underwriter, and insurance companies; how insurance is sold; criteria by which a competitive rate is set; the role of rating organizations such as Canadian Underwriters Association; re-inspection services and recommendations; investigation and challenging of claims.

Corequisites: FIRE 100 and FIRE 101
Lecture: 4
No transfer credit

FIRE 271* Fire Prevention 3 credits

Included are roles played by the Canadian Underwriters Association, fire marshal, and other authorities in enforcing acceptable standards of fire prevention and protection in business, industry, etc. Aspects of fire prevention include materials handling and design, and hazard control. Education programs, special legislation, and aspects of fire suppression include understanding and control of important electrical and hydraulic protection systems, such as ionization detectors and automatic sprinklers.

Prerequisites: FIRE 100 and 101
Lecture: 4
No transfer credit

FIRE 272* Fire Suppression 3 credits

Includes pre-fire planning, classification of fires, special fire types, and a review of the chemistry of fire. This is followed by a discussion of alarm systems; the handling of motorized, fixed, and portable fire equipment; fire extinction methods; the strategy of fighting a fire; fire streams; and fire ground hydraulics.

Prerequisites: FIRE 100 and 101
Lecture: 2 Laboratory: 2
No transfer credit

FIRE 273* Fire Investigation 3 credits

Discusses various investigative organizations, including their roles and responsibilities; skills and training required of an investigator; pattern and behavior of accidental fires involving principles of the chemistry of fire; scientific investigation of fire causes; writing a fire investigation report; and the firefighter's contribution to fire investigation.

Prerequisites: FIRE 100 and 101
Lecture: 4
No transfer credit

FIRE 274* Fire Science Technology 3 credits

Discusses materials, standards, and standards test; roles of organizations such as Underwriters Laboratories of Canada and Canadian Underwriters Association; how the degree of fire protection determines insurance rates and the influence this has on materials selection; fire-fighting apparatus and their capabilities and test standards; measurement techniques; main guidelines for design, layout, and installation of fire-protection systems.

Prerequisites: FIRE 100 and 101
Lecture: 2 Laboratory: 2
No transfer credit

COM 290 Career Communications 3 credits

Directed to career students, this course gives experience in the application of oral and written communication skills to work situations. Includes persuasion and motivation strategies, conduct of and participation in business meetings, the arts of listening and observation, internal and external business communications.

Spring and fall semesters
Prerequisite: None
Lecture: 2 x 2
No transfer credit

GEOGRAPHY**Nature of Geography Discipline**

Geographic inquiry is rich, profound, and humanizing because it entails an understanding of physical as well as cultural processes as they are revealed in interaction in the landscape. The landscape is that zone at or near the earth's surface that is perceived, used, or affected by man — the zone where lithosphere, hydrosphere, and atmosphere interact. The dimensions of this zone have, however, changed with time. New advances in technology have made human penetration of space and oceans possible, thereby expanding the zone in which a geographer would be interested. A process is a series of changes taking place in a definite manner, changes that also vary in time and space. Processes are physical when they are totally or primarily a result of forces independent of man, e.g., faulting, stream erosion, wave action, and hurricanes. Processes are cultural when they are totally or primarily a result of the activities of man, e.g., urbanization and agriculture. Distinction between the two can, at times, be difficult, e.g., flooding can be attributed to quick spring thaw as well as to deforestation of the catchment area.

Physical geography studies the variety of spatial relationships between environment and landscape on the earth's surface. Within its scope, the atmosphere, biosphere, and lithosphere are studied in association with the evolution of the earth's topography, climate, vegetation, and soils. By its interdisciplinary nature, physical geography incorporates information and principles drawn from meteorology, biology, pedology, and geology to gain its spatial vantage point over the earth's surface. Besides its contributions to these disciplines, it forms a fundamental basis for the study of human geography. Douglas College offers introductory courses in physical geography by way of GEOG 110 and 120, along with opportunities to apply physical geography in other studies such as GEOG 100, 130, 150, 160, and 170.

Human geography inquiry usually involves studies of the human drama played on the physical environment stage. It attempts to understand man in the fullness of his human existence. Rather than reduce man to a set of genetic structures, social/class roles, or behavioral responses, the human geographer seeks to know man in his "place." Man is never fully understood apart from what he feels and believes to be his "place," be it his home, city, or country. Man is "in his world" and human geography must focus on the nature of that "in-ness" as each group and culture experiences it. Human geographic inquiry draws upon the data, method, and theories of anthropology, sociology, psychology, economics, mathematics, the arts, and the humanities, as well as on physical geographic studies. Douglas College courses GEOG 100, 130, 140, 150, 160, and 170 are in this field.

The student who engages in physical and human geographic study will achieve the "sense of balance" that characterizes modern geographic thought. Geography offers an almost unique opportunity for the synthesis and integration of the fund of human knowledge.

GEOG 100 Man and the Earth 3 credits

An analysis of the nature and structure of human geographic inquiry through examination of the various views of the nature of human geography, its several methods, its basic concepts, theories, and data; and through identification of the kinds of questions traditionally selected for study, and a critical assessment of the issues that should be included in the discipline.

Spring and fall semesters
Prerequisite: None
Lecture: 2 x 2
Transferability:
UBC Geography 200 (1½ units)
SFU Geography 101 (3 credits)

GEOG 110 Weather and Climate 3 credits

An introduction to the study and techniques of meteorology and climatology; how climatic controls acting upon elements of weather produce different climates; their application to environmental problems such as air pollution, forest fire control, and arctic survival.

Spring and fall semesters
Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Geography or with GEOG 120 Geography 101 (3)

SFU: 3 unassigned credits in Geography or with GEOG 120 Geography 111 (3), plus 3 unassigned credits in Geography

GEOG 120 Introduction to Earth Sciences — Evolution of the Earth's Surface

GEOL 100 Introduction to Earth Sciences — Discover the Earth **3 credits**

An interdisciplinary introduction to the study of the earth to provide a broad background for further studies in geography and geology. Topics include: Origins and development of the earth's landscapes by combination of internal constructive forces such as weathering, mass wasting, running water, glaciers, wind, and waves. Emphasis is on local topographic map interpretation and field work.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability: for GEOG 120

UBC: 1½ units unassigned credit in Geography, or with GEOG 110 Geography 101 (3)

SFU: 3 unassigned credits in Geography or with GEOG 110 Geography 111 (3)

Transferability: for GEOL 100

UBC: 1½ unassigned Science credit or with GEOL 210 — Geology 105 or Geology 107 — or with GEOG 110 — Geography 101

SFU: 3 unassigned credits in Geography or with GEOG 110 — Geography 111 (3) plus 3 unassigned credits in Geography

GEOG 130 Environment and Technology

3 credits

An attempt to ascertain root causes of the environmental crisis to establish a more balanced perspective than current doomsday theorizing. Four serious proposals for restructuring the man-nature relationship are explored. This is not a "pollution solution" course nor an ecology course, but an inquiry into the environmental impact of varying man-nature philosophies.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Geography
SFU: 3 unassigned credits in Geography

GEOG 140 Canadian Landscapes Workshop

3 credits

This course is of special interest to students majoring in literature, the humanities, history, and the fine arts, as well as in geography. The student discovers man's "sense of place" in the context of Canada's diversity of landscapes. Students explore the geography of poetry, literature, art, music, and film; and, instead of being given writing assignments, they participate in a workshop atmosphere of an active seminar presentation, a film study, and the production of audio-visual presentations.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 3

Transferability:

UBC: 1½ units unassigned credit in Geography
SFU: Geography 242 (3 credits)

GEOG 150 The Canadian Arctic

3 credits

An introduction to the physical and human geography of Arctic Canada, with reference to other polar regions such as the Antarctic and Russian Arctic. Problems of human occupancy in the north and the impact of man on the physical environment: exploration, transportation, historical development of several Arctic communities (Frobisher, Resolute, Cambridge Bay), northern resources, and current social problems. Stress is placed on the physical environment and resource development. An interest in meteorology, basic geomorphology, and human geography, is assumed.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 1

Transferability:

UBC: 1½ units unassigned credit in Geography
SFU: Geography 263 (3 credits), if both GEOG 150 and 160 are completed, otherwise unassigned credit in Geography (3 credits)

GEOG 160 British Columbia and the Yukon

3 credits

Introductory regional geography of B.C. and the Yukon. Although this course includes a general study of physical environment and a historical settlement background, it concentrates on problems relevant to sections of the Pacific Coast area — e.g., resource development and conservation, irrigation, urbanization, life in remote rural areas. It also includes an examination of the role of the west in Canada's future development. Field work forms an integral part of the course, and a basic knowledge of map reading is assumed.

Spring and fall semesters

Prerequisite: None

Lecture: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Geography

SFU: Geography 263 (3 credits), if both GEOG 150 and 160 are completed, otherwise unassigned credit in Geography (3 credits)

GEOG 170 Introduction to Cartographic Techniques

3 credits

Techniques and tools a geographer uses to establish geographic relationships. Includes field survey, construction of maps to scale, interpretation of aerial photographs and topographic maps, and construction of diagrams, cartograms, and distribution maps.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Laboratory: 3

Transferability:

UBC: 1½ units unassigned credit in Geography
SFU: 151 (3 credits)

GEOLOGY

Geology is the study of the composition, origin, and development of planet earth. Considered are the origins and evolution of rocks and minerals, oceans, atmosphere and life, and their interactions.

Beginning students will enrol in GEOL 100: Discover the Earth. This is a core course intended to introduce the students to geology. The student has the option of considering this course terminal (3 unassigned credits in Geography at SFU or 1½ unassigned Geology credits at UBC). During the second semester, students may couple Discover the Earth with a single-semester biology course (advisable for potential elementary- or primary-school teachers), or with the second-semester Our Changing Earth. The sequence GEOL 100 and 210 is the equivalent of Geology 105 at UBC or 6 unassigned geology credits at SFU. The sequence GEOL 100 and 110 is the equivalent of Geography 101 at UBC or Geography 111 plus 3 unassigned Geography credits at SFU.

Students intending to major in geology should enrol in the following course pattern during their first year:

SEMESTER 1	SEMESTER 11
PHY 100 or 110	PHY 200 or 210
CHE 110	CHE 200 or 210
MAT 120	MAT 220 and 131
GEOL 100	GEOL 210

During both semesters, any two of Communications 100; Literature 101 to 120; Theatre 100; Creative Writing 100 and 200 must be included.

Students intending to enrol in the Earth and Space Science major in the Faculty of Education at UBC require GEOL 100, 210, 220, and 221.

GEOL 100 Introduction to Earth Science

3 credits

GEOL 120 Discover the Earth — Evolution of the Earth's Surface

An interdisciplinary course combining geology and physical geography. Approximately half of the semester is concerned with geomorphology, with emphasis on origins and development of the earth's landscapes by such processes as weathering, mass wasting, running water, glaciers, wind, and waves. The other half is concerned with geological phenomena such as rocks and minerals, interior of the earth, and geologic time scale.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Laboratory: 2

Transferability:

UBC 1½ unassigned credits in Science, or with GEOL 210 Geology 105 or Geology 107. With GEOG 110 Geography 101
SFU with GEOG 110 Geography 111 and 3 unassigned credits in Geography; by itself, 3 unassigned credits in Geography

GEOL 210* Our Changing Earth

3 credits

An inquiry into aspects of the earth's history, with special emphasis on its origin and its subsequent history. Topics include continental drift and the origins and development of the earth including its atmosphere, hydro-sphere, and biosphere.

Spring and fall semesters

Prerequisite: GEOL 100

Lecture: 2 Laboratory: 4

Transferability:

UBC with GEOL 100 Geology 105 or Geology 107
SFU 3 unassigned credits in Science

GEOL 220 Crystals, Rocks, and Minerals

3 credits

A study of materials that make up the earth's crust. Topics include crystal growing, elementary crystallography, mineral and rock identification, elementary prospecting techniques, and the study of metallic and non-metallic ores. Laboratory investigations include analysis and identification of rocks and minerals. Field trips required.

Fall semester

Prerequisite: GEOL 100 or GEOG 120

Workshop 3 x 2

Transferability:

UBC Geology 307 or 1½ unassigned Science credits
SFU 3 unassigned credits in Science

GEOL 221 Geologic History of Southwest B.C.

3 credits

A study of the geologic history of the southwest portion of British

Columbia, including the adjacent islands. Emphasis is on events that took place during the last half a billion years, including mountain building, shifting land-sea relationships, and on reconstructing ancient environments using fossils. Field trips required.

Spring semester

Prerequisite: GEOL 100 or GEOG 120. GEOL 220 must be taken either as prerequisite or as corequisite

Lecture: 1 x 2 Laboratory: 1 x 4

Transferability:

UBC Geology 327 or 1½ unassigned Science credits
SFU 3 unassigned credits in Science

GEOL 230 Geology and Man 2 credits

A study of environmental geology. Emphasis is on the use of geologic data to plan urban areas. Problems associated with ground water, waste disposal, mineral extraction, and geological engineering are investigated.

Fall semester

Prerequisite: GEOL 100 or GEOG 120

Lectures: 2 x 2

Transferability:

UBC Geology 312
SFU 2 unassigned credits in Science

GEOL 321 Sedimentology 3 credits

Introduction to sediments and sedimentary rocks; sediment transportation and deposition; diagenesis; composition, texture and structure; deformational environments, facies, correlation.

Fall semester

Prerequisite: GEOL 100

Lecture: 3 Laboratory 3

Transferability:

UBC Geology 206 (1½ units)
SFU 3 unassigned credits in Science

GEOL 421 Stratigraphy 3 credits

Introduction to the study of sedimentary rocks. Topics include sedimentary rocks, strata, historical concepts, elementary structures, and interpretation of geologic maps.

Spring semester

Prerequisite: GEOL 100 and 321

Lecture: 2 x 2 Laboratory: 2

Transferability:

UBC Geology 216 (1½ units)
SFU 3 unassigned credits in Science

GEOL 370 Crystallography 3 credits

Includes crystal symmetry, classes and systems; nomenclature and stereographic projection of crystals; crystal identification; space lattices; crystal chemistry. The course is essential for all geology majors and should be taken in the second year of study. CHE 200 or 210 and PHY 200 or 210 are advisable but not prerequisite to this course.

Fall semester

Prerequisite: GEOL 100

Lecture: 3 x 2

Transferability:

UBC with GEOL 470 and GEOL 210
SFU 3 unassigned credits in Science

GEOL 470 Mineralogy 3 credits

A second-year specialized course for students continuing to more advanced studies in geology. Fundamentals of crystal chemistry as applied to minerals, physical and chemical properties of minerals, mineral genesis, determinative mineralogy, mineral classification, igneous and metamorphic petrology.

Spring semester

Prerequisite: GEOL 370

Laboratory: 3 x 2

Transferability:

UBC with GEOL 370 and GEOL 210
SFU 3 unassigned credits in Science

GRAPHIC AND COMMUNICATION ARTS

GRA 100 Basic Drawing 3 credits

A commercial art-oriented drawing and sketching course. Trends change, but anatomy and perspective values remain constant; once a sound basic foundation is achieved, individuality provides new ways to apply and present them. Emphasis is on perspective and proportion, anatomy, and tone values.

Fall semester

Prerequisite: None

Laboratory: 6

No transfer credit

GRA 110 Introduction to Commercial Illustration 3 credits

An introduction to media, techniques, color. Emphasis is on learning proper application and recognition of various materials used.

Fall semester

Prerequisite: None

Laboratory: 6

No transfer credit

GRA 120 Introductory Graphics and Applied Design 4 credits

All work begins with the promise that it has a message and a purpose. Mentally strip the subject to its most efficient essentials, proceed with a direct and simple interpretation, stress what is of greatest importance to achieve visual impact — thus the language of art is achieved. The course provides a foundation for, and an introduction to, the principles of graphic design. Also covers the natural co-ordination of lettering and design as an art form.

Fall semester

Prerequisite: None

Laboratory: 2 x 1½ Seminar: 2 x 1 Lecture: 2 x ½

No transfer credit

GRA 121 History of Graphic Communications 3 credits

An introductory survey of the history of graphic communications from the dawn of barter in the ancient world. Special emphasis on tracing man's endeavor to influence his fellow man through the use of visual media.

Spring semester

Prerequisite: None

Lecture: 4

No transfer credit

GRA 122 Procedures in Advertising Art 3 credits

An introduction to applied design, layout, typography analysis, mechanical makeup, and materials equipment evaluation. Suggested for the student interested in the graphic and communication arts field.

Laboratory: 2

Lecture: 2 x 1

GRA 131 Lettering, Layout, and Typography 2 credits

The significance of lettering and typography in visual communication. Students study lettering formation and classification, gaining skill in rendering techniques for layout and finished lettering. They develop an appreciation of lettering as an element in graphic design, and acquire knowledge of process lettering available to the designer and how it should be applied.

Fall semester

Prerequisite: None

Lecture: 1 Laboratory: 2

No transfer credit

GRA 135 Introduction to Advertising 3 credits

A general survey of advertising methods, media, and principles; the function of color and design in layout as an effective visual tool in the communication of ideas; advertising economics, campaigns, motivational research, sales promotion methods.

Fall semester

Prerequisite: None

Lecture: 1 Laboratory: 2 Seminar: 2

No transfer credit

GRA 136 Visual Merchandising and Display 3 credits

Designed for those interested in the professional application of visual merchandising. The student learns how to develop and apply visual merchandising point-of-sale techniques as a medium of sales promotion. Emphasis is on methods not requiring the use of expensive equipment, and on the care and proper handling of merchandise.

Prerequisite: Acceptance by permission of instructor, with preference given to students with some experience relative to visual merchandising

Lecture: 2 Laboratory: 3 Seminar: 1

No transfer credit

GRA 150 Introduction to Photography 2 credits

First of four semester courses on technical aspects of communication arts, particularly reproduction of design in print. A study of the nature of light and its manipulation with lenses, filters, and emulsions. Students expose and process various types of photosensitive material as they explore the potential of the camera as a design tool, and acquire basic technical knowledge necessary to an understanding of photo-mechanical platemaking and stencil-making methods.

Fall semester

Prerequisite: None

Lecture: 1 Laboratory: 2

No transfer credit

GRA 151 Technology of Graphic Communications 3 credits

A study of processes applied and equipment used in graphic communications. Emphasizes the preparatory function of graphic arts and includes a practical approach to copy fitting; setting of body composition to display type using various exposure machines; strike-on; photo-

composition; layout organization; proper marking of proofs; and the general methods employed in conversion of type for press or camera.

Fall semester
Prerequisite: None
Lecture: 2 Laboratory: 3
No transfer credit

GRA 152 Graphics in Audio-Visual Communications 2 credits

Persons with training in illustration and design will become familiar with the finished product, the art skills involved, and the use of raw materials in visual arts.

On sufficient demand
Prerequisite: None
Lecture: ½ x 1 Laboratory: 3
No transfer credit

GRA 154 Audio-Visual Technology 3 credits

Designed to develop fundamental skills and techniques in the preparation and use of a wide variety of audio-visual materials: film, videotape, audiotape, graphics. Skills and techniques are applied to planned messages within an educational framework, based upon principles of communication theory.

On sufficient demand
Prerequisite: None
Lecture: 2 Laboratory: 3
No transfer credit

GRA 155 Commercial Photo Retouching 2 credits

An introduction to air-brush techniques and elementary black and white commercial photo-retouching, emphasizing tone values and brush control.

Prerequisite: None
Lecture: 2 Laboratory: 2

GRA 200 Drawing 4 credits

A continuing study of the figure: proportion, perspective, and still-life drawing, using various media, free sketching, and finished art. Landscape and imaginative visuals interpreted in wash and ink rendering water color. Emphasis is on composition.

Spring semester
Prerequisite: GRA 100
Laboratory: 9
No transfer credit

GRA 210* Commercial Illustration 3 credits

The students learn to give messages, events, ideas, and values a visible form, and how to apply the various media clearly in a minimum of time. They practise with pen and brush, line techniques, and color to achieve discipline and control; and also experiment in the use of textures, using a variety of papers and equipment.

Spring semester
Prerequisite: GRA 110
Laboratory: 6
No transfer credit

GRA 220* Graphics and Applied Design 4 credits

Enables the students to progressively include more advanced elements of design composition, layout, and fields of application. They learn to recognize and adapt the alphabet that fits the message.

Spring semester
Prerequisite: GRA 120
Laboratory: 2 x 1½ Lecture: 2 x 1½ Seminar: 2 x 1

GRA 222 Procedures in Advertising Art 3 credits

This course emphasizes the application of design, typography, and mechanical makeup to employment requirements in the graphic and communications art field.

Laboratory: 2 x 1
Lecture: 2 x 1

GRA 231* Lettering, Layout, and Typography 2 credits

A working knowledge of present-day typesetting trends: classification of type faces and their application to effective communication; body and display type as design elements; layout principles; rendering techniques; type markup and ordering; working drawing assembly.

Spring semester
Prerequisite: GRA 131
Lecture: 1 Laboratory: 2
No transfer credit

GRA 250* Photo-Graphics 2 credits

Fundamentals of letterpress and lithographic printing, line and halftone reproduction in print, color separation, four-color process, duplicate platemaking, and silk screen. Students produce line and halftone prints on

a process camera and make multi-color silk screen runs with hand-made stencils.

Spring semester
Prerequisite: GRA 150
Corequisite: GRA 220
Lecture: 1 Laboratory: 2
No transfer credit

GRA 254* Audio-Visual Communications 3 credits

Advanced work with a variety of media, involving the design, production, use, and evaluation of instructional programs for use by individuals and groups. Emphasis is on production of materials, management of learning experiences, and the communication process.

On sufficient demand
Prerequisite: GRA 154
Lecture: 2 Laboratory: 3
No transfer credit

GRA 290 Applied Communications — See Communications COM 290

GRA 300* Intermediate Drawing and Painting 4 credits

A continuing study of the draped and clothed figure: gesture in relation to the emotion; portrait studies in various media; commercial character and theme cartooning; caricature; townscape, landscape, and seascape interpreted in various media.

Fall semester
Prerequisite: GRA 200
Laboratory: 9
No transfer credit

GRA 310* Illustration 3 credits

Illustrates the value of sound preparatory work and how the craftsman's skill co-ordinates with creativity to achieve an artistic objective. Emphasis is on line and wash, opaques, fluorographic, percentages, combination halftones, full color, combination of media. Commercial photo retouching for reproduction.

Fall semester
Prerequisite: GRA 210
Laboratory: 6
No transfer credit

GRA 320* Intermediate Graphics and Applied Design 4 credits

The student progresses in the use of typeset and recognizes how the flexibility and creative application of lettering add to the correlation of copy and illustration. Further study and practice in technical design, overlay systems, color separation with art or camera, miscellaneous sales pieces, continuing creative experimentation in block printing, silk screen and air-brush techniques.

Fall semester
Prerequisite: GRA 220
Laboratory: 2 x 1½ Lecture: 2 x 1½ Seminar: 2 x 1
No transfer credit

GRA 350* Photo-Graphics 2 credits

Students become familiar with the College printing plant and do their own stripping, double printing, plate-making. Application of the photo-stencil to silk screen and use of photo-mechanical techniques in design is explored, including 3M Color Key, posterization, special halftone screens, line-from-tone, and fluorographic dropout. Students reproduce art work they have prepared expressly for the process involved.

Fall semester
Prerequisite: GRA 250
Lecture: 1 Laboratory: 2
No transfer credit

GRA 400* Advanced Drawing and Painting 3 credits

The student completes assignments involving previous subject areas in a professional manner, as examples of work to be incorporated in a portfolio in co-operation with other course needs.

Spring semester
Prerequisite: GRA 300
Laboratory: 6
No transfer credit

GRA 410* Advanced Commercial Illustration 3 credits

A continuation of Commercial Photo Retouching GRA 155 for reproduction at a more advanced level. Examples of work involving all previous subject areas to be completed and incorporated into a prepared portfolio for employment interviews.

Spring semester
Prerequisite: GRA 310
Laboratory: 6
No transfer credit

GRA 420* Advanced Graphics and Applied Design 4 credits

The course is devoted to the professional completion, within deadlines, of

See also Sections 1 & 2

a portfolio containing examples of design lettering, prepared mechanicals, techniques, agency and retail advertising assignments, the portfolio to be presented at employment interviews.

Spring semester
Prerequisite: GRA 320
Laboratory: 2 x 1½ Lecture: 2 x 1½ Seminar: 2 x 1
No transfer credit

GRA 450* Photo-Graphics 2 credits

The student applies his acquired graphic arts knowledge and skills to individual projects, which are determined in consultation with the making stencils or printing plates for College-sponsored publicity pieces or self-advertising material. When practical, the student assists in the self-advertising material. When practical, the student assists in the printing. Items produced at each stage are mounted for inclusion in the student's interview portfolio.

Spring semester
Prerequisite: GRA 350
Corequisite: GRA 420
Lecture: 1 Laboratory: 2
No transfer credit

HEALTH SERVICES

Programs and courses in this division are based on trends in the health-care delivery system. The concepts of career mobility and core curriculum are central.

Plans for the next five years include programs in the following auxiliary fields: dental, physiotherapy, dietary, audiology.

Nursing

The Douglas College nursing program will commence in the fall 1975 semester. Basic nursing to the Registered Nurse and the Registered Psychiatric Nurse levels will be offered. In addition, at the end of the first phase, students will be sufficiently qualified to apply to the B.C. Council of Practical Nurses for licensing. Should they seek employment they may return later to continue their training.

Admissions criteria specific to the nursing program, together with course outlines, will be announced in a special brochure by summer, 1975.

HEA 130 First Aid 1 credit

Introduction to first aid for the injured: the diagnosis and treatment of injuries, and the disposal of medical emergencies. Students qualify for St. John Ambulance First Aid Certificate.

Prerequisite: None
Lecture: 1 Laboratory: 2 (for approximately seven weeks)
No transfer credit

HISTORY

Douglas College history courses are designed not only to acquaint students with the periods or regions specified in the course titles, but also to introduce and develop skills necessary for a full appreciation of history. These include research methods, comparison of historical interpretations, analysis of historical problems, and clear expression of ideas on historical topics. Students planning to major in history are advised to take the basic introductory course HIS 100 early in their program, and to consult the university to which they intend to transfer to ascertain its requirements.

HIS 100 The Meaning of History 3 credits

This course reveals the prime roles of history — as a source of interest and enjoyment, and as a means toward greater understanding of the human condition. Examples are drawn from various periods of history and from the works of outstanding historians. Strongly recommended for students planning to major in history at SFU.

Prerequisite: Nil
Lecture: 2 Tutorial: 2
Transferability:
UBC 1½ units unassigned credit in History
SFU History 100 (3)

HIS 101 From Rome to Renaissance 3 credits

A general survey of European civilization from the downfall of Rome to the age of exploration and discovery.

Prerequisite: Nil
Lecture: 2 Tutorial: 2
Transferability:
UBC To be determined
SFU To be determined

HIS 102 From Reformation to transformation 3 credits

A general survey of European civilization from the Reformation to the end of the 19th century.

Prerequisite: Nil

Lecture: 2 Tutorial: 2
Transferability:
UBC To be determined
SFU To be determined

HIS 110 The Fraser Valley 3 credits

A study of local history, with the interaction between man and the Fraser Valley environment as its central theme. Contributions from anthropology, geography, and ecology provide insight into the various factors involved.

Prerequisite: Nil
Lecture: 2 Tutorial: 2
Transferability:
UBC 1½ units unassigned credits in History
SFU 3 unassigned credits in History 11

HIS 112 Quebec in Canada 3 credits

A historical inquiry into the evolution of French Canada from the British Conquest to the present.

Prerequisite: Nil
Lecture: 1 Seminar: 3
Transferability:
UBC 1½ units unassigned credit in History
SFU History 218 (3)

HIS 113 Canada 1763-1867: A Century of Change 3 credits

An examination of the basic conditions of British North America between the British Conquest and Confederation. Stresses the examination of internal and external political, social, and economic forces that shaped Canadian history.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC with HIS 114 History 135 (3)
SFU History 218 (3)

HIS 114 Canada 1867-1967: A Century of Change 3 credits

Examines developments in Canada from 1867 to 1967. Stresses the examination of internal and external political, social, and economic forces which shaped Canadian history, and the varying historical interpretations of these forces.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC with HIS 113 History 135 (3)
SFU History 218 (3)

HIS 120 Illusion and Disillusion: Europe 1900-1939 3 credits

Examines the illusions that preceded World War I and the Disappointed hopes and frustrations that led to World War II. Stresses political responses to the social and economic changes that characterized the period.

Prerequisite: Nil
Lecture: 2 Tutorial: 2
Transferability:
UBC with HIS 121 History 125 (3)
SFU History 225 (3)

HIS 121 Europe Since 1939 3 credits

The course starts with World War II and traces the recovery of Europe from devastation to new prosperity. The division between East and West is discussed, the new role of Europe in the world is appraised, and new patterns of political, cultural, social, and spiritual life are examined.

Prerequisite: Nil
Lecture: 2 x 2 Seminar: 2 x 1
Transferability:
UBC with HIS 120 History 125 (3)
SFU History 225 (3)

HIS 122 Problem Studies in German History 3 credits

Examines problems drawn from various periods of German history: late medieval political disunity; Germans and Slavs; effect of the Reformation; the rise of Prussia; German responses to the French Revolution; nationalism and liberalism; unification and empire; Nazism; Germany divided.

Prerequisite: Nil
Lecture: 2 Tutorial: 2
Transferability:
UBC 1½ units unassigned credit in History
SFU History 226 (3)

HIS 130 20th-Century Russia and the Soviet Union 3 credits

Covers the main lines of development and the problems of Imperial Russia and the Soviet Union from 1900 to 1964. The Marxist-Leninist doctrine of history and various interpretations of Russian and Soviet history are discussed.

Prerequisite: Nil

Lecture: 2 Seminar: 2
 Transferability:
 UBC 1½ units unassigned credit in History
 SFU History 226 (3)

HIS 140 Nation in Conflict: The U.S.A. in the 20th Century 3 credits

Covers the historical roots and modern aspects of contemporary United States problems relating to race relations, the American democratic traditions, economic structure, and foreign policy. Focuses on origin, events, and effects.

Prerequisite: Nil
 Lecture: 2 Tutorial: 2
 Transferability:
 UBC 1½ units unassigned credit in History
 SFU History 213 (3)

HIS 141 U.S.A. and the Far East: 1898 to Present 3 credits

Beginning with the geographical and traditional backgrounds of the Far East, this course traces historical developments of diplomatic relations with the Far East. Special emphasis on imperialism, revolution, and nationalism, from the Boxer Rebellion to the present.

Prerequisite: Nil
 Lecture: 3 Seminar: 1
 Transferability:
 UBC 1½ units unassigned credit in History
 SFU 3 unassigned credits in History

HIS 142 The United States from Colonization to Nationhood 3 credits

A historical and historiographical inquiry into the growth of the United States from initial colonization to the presidency of Jefferson.

Prerequisite: Nil
 Lecture: 2 Seminar: 2
 Transferability:
 UBC 1½ units unassigned credit in History
 SFU History 212(3)

HIS 150 An Introduction to Modern Chinese History 3 credits

Covers the late imperial era (1839-1911), the transitional republican period (1912-1949), and the present communist stage. Emphasizes the post-1920 era, when the main theme of Chinese history was the struggle between nationalists and communists and the war of resistance against Japanese aggression, culminating in the rise of Mao and establishment of the People's Republic.

Prerequisite: Nil
 Lecture: 4
 Transferability:
 UBC 1½ units unassigned credit in History
 SFU 3 unassigned credits in History

HIS 160 Women in Canadian History 3 credits

A study of women in Canadian history from 1600 to 1970 against the wider background of the social, intellectual, and cultural history of North America.

Prerequisite: Nil
 Lecture: 2 Seminar: 2
 Transferability:
 UBC No credit
 SFU 3 unassigned credits in History

HUMAN DEVELOPMENT

HUD 100 Personal Growth and Awareness 3 credits

This course is designed to help one become more aware of how he functions as a person as opposed to a role, e.g., what he does with his feelings, how he accepts personal responsibility, how he relates to others, what he communicates verbally and non-verbally. The group provides a laboratory setting for participants to discover themselves and others.

Spring and fall semesters
 Prerequisite: Willingness to take some risks in self-disclosure and open, honest reactions
 Seminar: 3
 No transfer credit

HUD 130 Human Sexuality 3 credits

This course provides the student an opportunity to discover information and to discuss current attitudes as they relate to the field of human sexuality: sex roles and responses, changing values and lifestyles, sexual behaviors and mores. The format combines group discussion with an experienced leader and more formal presentations by faculty members and community-resource people. Class members take part in a variety of activities designed to increase their understanding and self-awareness of human sexuality today.

Spring and fall semesters
 Prerequisite: None
 Lecture: 2 Seminar: 2
 No transfer credit

HUD 141 Lifestyle Options 1½ credits

This eight-week course begins by examining the structure of each individual's lifestyle — the needs, values and beliefs that make us who we are. Students re-evaluate goals and directions in a process of awareness and informed decision-making. Discussion then centres on dynamic ways of dealing with the uncertainties of the present and future world. This course is intended to be of service to a variety of groups and different clienteles and will be modified to suit their needs.

Spring and fall semesters
 Prerequisite: None
 Seminar: 3
 No transfer credit

HUD 142 Career Explorations 1½ credits

This eight-week course assists individuals in choosing an occupational area most related to their chosen lifestyle. Information resources concerning occupational areas, educational programs, training requirements and job trends and opportunities are presented; academic and physical abilities are considered in relation to previous life experiences. Class discussions in the group encourage sharing of information and experience to help individuals consider the many alternatives available to them.

Spring and fall semesters
 Prerequisite: None (HUD 141 recommended)
 Seminar: 3
 No transfer credit

HUD 160 Introduction to Interpersonal Communication and Group Process 3 credits

An integrated course designed to offer the student experience in learning basic communication skills as well as developing an understanding of group process and effective approaches to group behavior. Styles of leadership and roles and functions of leaders and group members will be explored. This course is planned primarily for those interested or already involved in "helping" roles in their communities.

Spring and fall semesters
 Prerequisite: None
 Seminar: 3 Student-directed learning: 1
 No transfer credit

HUD 260 Interpersonal Communication Skills 1½ credits

An intensive seminar and practicum approach to improve basic skills in the one-to-one helping process.

Spring semester
 Prerequisite: HUD 160, or other courses (credit or non-credit) with similar content, or permission of the instructor
 Seminar: 2
 No transfer credit

HUD 261 Group Process Skills 1½ credits

An intensive seminar and practicum approach which focuses on effective and facilitative group functioning in a variety of settings.

Spring semester
 Prerequisite: HUD 160, or other courses (credit or non-credit) with similar content, or permission of the instructor
 Seminar: 2
 No transfer credit

HUD 262 Leadership Skills 1½ credits

An intensive seminar and practicum approach which emphasizes awareness of styles of leadership and provides introductory experience in a variety of leadership situations. Group experience a valuable asset.

Spring semester
 Prerequisite: HUD 160, or other courses (credit or non-credit) with similar content, or permission of the instructor
 Seminar: 2
 No transfer credit

HUMANITIES

HUM 100 20th-Century Man 3 credits

An interdisciplinary approach to world literature in the 20th century to provide an understanding of the 20th-century mind as reflected in works of modern writers. Introduces major issues relating to the human condition in the present century. Works of imaginative literature are used to illustrate problems such as alienation, evil, freedom, morality and science, myth-making, and dehumanization. Faculty members from Psychology, History, and Philosophy lecture on topics related to works discussed.

Prerequisite: Nil
 Lecture: 4
 Transferability:
 UBC 1½ units unassigned credit in Humanities
 SFU 3 unassigned credits in Arts

HUM 110 European Thought and Culture 3 credits

A study of major developments in European thought and culture from the later Roman Empire to the Renaissance. Examines problems in art, literature, philosophy, science, religion, and society, with emphasis on their inter-relationships. Shows how certain cultural and intellectual movements have shaped the modern mind. Provides a background for further studies in areas such as art, literature, philosophy, and religion.

Prerequisite: Nil

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in Humanities
SFU 3 unassigned credits in Art

HUM 120 European Cultural Change 3 credits

A study of major developments in European thought and culture from the Protestant Reformation to the present. Examines problems in art, literature, philosophy, science, religion, and society, with emphasis on their inter-relationships. Shows how certain cultural and intellectual movements have shaped the modern mind. Provides a background for further studies in areas such as art, literature, philosophy, science, religion, and society.

Prerequisite: Nil, but HUM 110 recommended

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in History
SFU 3 unassigned credits in History

HUM 130 Frontiers of Thought 3 credits

An introductory appreciation of the frontiers of thought in the areas of: Man and His World (sciences); Man and His Society (social sciences); Man and His Mind (philosophical concepts). Specialized disciplines contributing to our understanding of these areas are examined. Presentations are interdisciplinary and non-technical, and assume no student acquaintance with the subject matter. For those whose programs would not normally include these disciplines, as well as for those desiring a general survey course.

Prerequisite: Nil

Lecture: 4

Transferability:

UBC 1½ unassigned credit in Arts
SFU 3 unassigned credits in Arts

HUM 131 Frontiers of Culture: The Alienated Mind 3 credits

Throughout human experience, social upheavals have resulted in alienation and a search for a new identity. This interdisciplinary course provides an understanding of the human situation in the 20th century through disciplines such as history, fine arts, philosophy, English, and religion. Themes of alienation, love, the anti-hero, the quest journey, and existentialism, as well as their various modes of expression, are examined. The final portion looks at the futurists. This course further pursues the Man and His Mind theme of Frontiers of Thought.

Prerequisite: HUM.130 or permission of instructor

Lecture: 2 Seminar: 1

Transferability:

To be determined

HUM 140 20th-Century Man in Contemporary Literature 3 credits

An interdisciplinary approach to contemporary world literature to provide some understanding of the 20th-century mind as reflected in works of contemporary writers. Introduces major issues relating to the human condition in the 20th century. Faculty members from Psychology, History, and Philosophy lecture on topics related to works discussed.

Prerequisite: Nil

Lecture: 4

Transferability:

UBC 1½ units unassigned credit in Humanities
SFU 3 unassigned credits in Art

INTERIOR DESIGN**INT 100 Drawing for Interior Design 3 credits**

The use of pencil, ink, and water colors, or casein painting techniques as applied to presentation of sketches. Basic drawing and sketching studied, with emphasis on perspective and proportion.

Prerequisite: None

Laboratory: 6

No transfer credit

INT 101* Introduction to Color 2 credits

Psychological and physical representation of color in relation to space, form, texture, and light. Includes theory and analysis of color with application to residential and commercial interior design.

Prerequisite: Complete color vision

Lecture: 2

No transfer credit

INT 102 Italian and French Furniture 3 credits

History of furniture, beginning with Egyptian, Greek, and Roman styles, followed by detailed study of Italian and French. Includes architectural settings, furniture, and decorative motifs. Sketches of furniture and room settings required.

Prerequisite: None

Lecture: 3

No transfer credit

INT 104 Materials of Design 1 credit

A study of materials (plaster, glass, metal, masonry, wood, plywood, etc.) in relation to the building industry. Emphasis is on integrating these into the well-designed interior.

Prerequisite: None

Lecture: 1

No transfer credit

INT 110 Theory of Design 2 credits

An analysis of man's physical and esthetic needs for his buildings. Introduction to the principles of design (balance, harmony, rhythm), and how space is ordered and defined through the use of line, area, value, color, texture, and light.

Prerequisite: None

Lecture: 3

No transfer credit

INT 120 Drafting and Perspective 3 credits

Drafting in pencil and pen and ink. A study of three-dimensional objects and interior spaces to be represented in two and three dimensions on paper.

Prerequisite: None

Laboratory: 9

No transfer credit

INT 200* Drawing for Interior Design 1½ credits

Explores the use of various common and useful wet and dry media to provide insight and skills for interior designs presentation renderings and illustrations. Stresses drawing methods appropriate to various media.

Prerequisite: INT 100

Laboratory: 3

No transfer credit

INT 203 English and American Furniture 3 credits

History of English and American furniture styles from Gothic, Renaissance, and Neoclassic to Modern. Includes architectural settings as well as furniture and decorative motifs. Sketches of furniture and room settings required.

Prerequisite: None

Lecture: 3

No transfer credit

INT 205 Materials for Interior Design 2 credits

A study of applied or "decorative" materials specified for commercial and residential interiors. The properties and care of natural and synthetic fibres examined with reference to the manufacture of carpets, fabrics, and wall coverings.

Prerequisite: None

Lecture: 2

No transfer credit

INT 210 Theory of Residential Design 2 credits

The theory of residential design in the contemporary and traditional architecture forms. An analysis of interior spaces, esthetics, and function, as well as of furniture requirements and planning. Includes a study of architectural concepts and works of Frank Lloyd Wright and Walter Gropius.

Prerequisite: INT 110

Corequisite: INT 220

Lecture: 3

No transfer credit

INT 220* Residential Interior Design 3 credits

Contemporary and traditional residential interior design, including space planning, furniture layout and selection, design in elevation drawing, selection of materials, and perspective drawing and rendering. Drafting and design projects include a two-bedroom apartment, a contemporary and a traditional house, and other related domestic interiors.

Prerequisite: INT 120

Corequisite: INT 210

Laboratory: 9

No transfer credit

INT 221* Rendering and Presentation 1 credit

Techniques, methods, and materials used by interior designers for rendering and presentation of interior design work. Rendering of perspective drawings related to Residential Interior Design INT 220, as well as to sketches from magazines.

Prerequisites: INT 100 and INT 120
Laboratory: 3
No transfer credit

INT 310* Theory of Office Interior Design 2 credits

Basic theory of commercial interior design, including office planning, public lounge areas, and small commercial eating facilities. A study of interior space regarding esthetics and function, as well as space layout and furniture requirements. Architectural concepts and work of Ludwig Mies, Vander Rohe, and Le Corbusier studied. Students visit various office installations.

Prerequisite: INT 210
Corequisite: INT 320
Lecture: 2
No transfer credit

INT 320* Office Interior Design 3 credits

Practical problems in designing commercial office interiors. Solutions may be presented in the form of floor plans, furniture layout and selection, design in elevation drawing, selection of materials, perspective drawing, rendering, and photographing scale models. Drafting and design work consists of such projects as an apartment lobby, a travel agency, a landscaped office, and a daytime restaurant. Students visit furniture factories and make drawings of custom office units for factory fabrication.

Prerequisite: INT 220
Corequisite: INT 310
No transfer credit

INT 321* Graphic Presentation 1 credit

A study of techniques, methods, and materials used by interior designers for rendering and presentation of interior design work. Rendering of perspective drawing and graphics related to Office Interior Design INT 320, as well as to sketches from magazines.

Prerequisite: INT 221
Laboratory: 3
No transfer credit

INT 380* Interior Design Work Experience 1 - 5 credits

As part of the third-semester Interior Design Program, student-placement work experience may be in furniture, drapery, carpet, paint, or wallpaper departments of retail outlets or design studios. Credits vary according to total hours of employment.

Prerequisite: Completion of one year of Interior Design
Seminar: 1 Field experience: TBA
No transfer credit

INT 405* Projects in Interior Design 1 credit

Practical know-how and written specifications for the actual ordering and installation of products. Includes specifications, estimation, and installation of drapery, upholstery, carpeting, wallpaper, and paint. Students also analyze the Canadian furnishing market.

Prerequisite: Completion of three semesters of Interior Design
Lecture: 1 Laboratory: 2
No transfer credit

INT 406* Special Projects in Interior Design 2 credits

Short-term projects in commercial or residential design. Students make quick presentation of projects: e.g. doctor's office, theatre lobby, showroom, display, board room, public lounge, etc.

Prerequisite: Completion of three semesters of Interior Design
Laboratory: 6
No transfer credit

INT 410* Theory of Hotel-Motel Interior Design 2 credits

Emphasis is on design of hotel and motel sleeping accommodations, registration desk, public lounges, restaurants, kitchens, and cocktail lounges. An analysis of interior spaces regarding esthetics and function, as well as space layout and furniture requirements. Students analyze contemporary interior space, visiting local commercial offices and hotels.

Prerequisite: INT 310
Corequisite: 68-420
Lecture: 3
No transfer credit

INT 420* Hotel-Motel Interior Design 3 credits

Practical problems in designing hotel-motel interiors involving assumed conditions. Solutions may be presented in the form of space planning, furniture layout and selection, design in elevation drawing, selection of materials, and perspective drawing and rendering. Drafting and design work consists of such projects as hotel-motel suite, public lounge, restaurant, kitchen, and cocktail lounge. Students detail custom hotel

units for factory fabrication.

Prerequisite: INT 320
Corequisite: INT 410
Laboratory: 9
No transfer credit

INT 421* Graphic Presentation 1 credit

A continuation of Interior Design INT 321, studying techniques, methods, and materials used by interior designers for rendering and presentation of interior design work. Rendering consists of perspective drawing and graphics related to Commercial Interior Design INT 420.

Prerequisite: INT 321
Laboratory: 3
No transfer credit

MARKETING**MRK 100 Retail Merchandising 3 credits**

Covers merchandising principles, practices, and processes in relation to the total marketing process. Includes the consumer — his importance and behavior — buying methods, sources of supply, selling, sales promotion methods and media, inventory control, human relations, advertising, and display. Laboratory workshop, seminar sessions, individual projects, and the practical application of theories also studied.

Spring semester
Prerequisite: None
Lecture: 2 Seminar: 1 Student-directed learning: 1
No transfer credit

MRK 120 Basic Marketing 3 credits

A descriptive survey of basic Canadian marketing functions and institutions, such as distribution channels, merchandising, and sales promotion of products for industrial and consumer markets.

Fall semester
Prerequisite: None
Lecture: 2 Seminar: 2
No transfer credit

MRK 310* Sales Workshop 1½ credits

A simulation of the selling and distribution of merchandise, in which the students become personally involved in the decision-making process necessary for a successful business operation.

Fall semester
Prerequisite: Third-semester standing in any business program
Seminar: 2
No transfer credit

MRK 350 Dynamic Selling 3 credits

An intensive study of techniques used in selling goods and services, with the opportunity of practising some of them. Includes consumer behavior and aspects of psychology in the process of selling, as well as methods of preparing and delivering various types of speeches.

Fall semester
Prerequisite: None

Lecture: 2 Seminar: 2
No transfer credit

MRK 381* Merchandising Work Experience 1-10 credits

Includes 300 to 400 hours of paid work in a retail outlet under College supervision.

Fall, spring, and summer semesters
Prerequisites: MRK 100 or 120, permission of instructor, and second-year standing
No transfer credit

MRK 383* Sales Practicum 1½ credits

An on-the-job training session including 100 or more hours of actual selling experience. Students are responsible for finding their own work station.

Fall, spring, and summer semesters
Prerequisites: MRK 210 and permission of instructor
Field experience: 100 hours each semester
No transfer credit

MRK 390* Marketing Management 3 credits

An advanced, detailed study of market planning, market research, and practices of middlemen and their role in the marketing process. Problems inherent in wholesaling, product mix, sales promotion, investment, warehousing, and shipping are covered, along with case studies.

Fall semester
Prerequisite: MRK 100 or 120
Lecture: 2 Seminar: 1 Student-directed learning: 1
No transfer credit

MRK 401 Advertising **3 credits**

Fundamental principles of advertising practices, media selection, and budgeting. Techniques of writing effective copy, continuity, basic layout, and analysis of advertising programs.

Spring semester
Prerequisite: Second-year standing
Lecture: 2 Seminar: 2
No transfer credit

MRK 410* Sales Management **3 credits**

A comprehensive course in sales management principles and methods; allocation of priorities to the company's sales objectives and responsibilities; formulation of sales policy; tasks of planning, organizing, staffing, and controlling the work of the field sales force.

Spring semester
Prerequisite: Third-year standing, or permission of instructor
Lecture: 4
No transfer credit

MRK 490* Retail Management **3 credits**

This advanced course in retail merchandising takes advantage of work done during work-experience program. Students study and practise methods of planning, budgeting, and programming resources. Extensive use made of case studies and assignments to simulate business conditions.

Spring semester
Prerequisite: MRK 100 or 120
Lecture: 2 Seminar: 2 Student-directed learning: 1
No transfer credit

MATHEMATICS

Many university departments require credits in mathematics at the first-year or second-year level for admission to certain upper-division courses. Students are therefore urged to consult the appropriate calendars for details of specific mathematics requirements.

Students entering Douglas may pursue several possible routes, depending on their background and major field of interest:

- 1) Students with B.C. Mathematics 12 who wish to enter UBC to take mathematics, science, secondary education, applied science, or forestry, should enrol in:

Semester 1MAT 120
Semester 2MAT 220 and MAT 131

Mathematics or Science majors should continue as follows:

Semester 3MAT 320 and MAT 231
Semester 4MAT 420 and MAT 331

These courses also satisfy prerequisites at SFU and U-Vic.

- 2) Students with only B.C. Academic Mathematics 11 who require the above courses should enrol in MAT 112, which is prerequisite to the calculus (MAT 120).
- 3) Students with less than B.C. Mathematics 11 should consider enrolling in MAT 102 or 103.
- 4) Some schools (such as commerce, medicine, dentistry, and nursing) require UBC Math 130. Such credit is best obtained by taking MAT 150 and 250, courses geared to the social scientist. Also see the MAT 150 description.
- 5) Students transferring to the Faculty of Commerce and Business Administration at UBC should take, in addition to the courses listed in paragraph 4, the following courses:

Semester 3MAT 350
Semester 4MAT 450
- 6) All students registering for the first time in mathematics at Douglas, will be assessed no later than the first week of the semester to determine if their background knowledge is adequate for elected courses. If the probability of their success appears low, they will be advised to register in an appropriate preparatory course. Douglas offers a spectrum of mathematics courses at all levels.

MAT 100 Mathematics: Reality or Unreality **3 credits**

Designed to give the liberal arts student an insight into the use of mathematics and the role of mathematicians in the development of models of widely differing real-life situations.

Offered on sufficient demand
Prerequisite: None
Lecture: 2 Seminar: 1
Transferability:
UBC 1½ units unassigned credit in Mathematics (no credit in Science)
SFU 3 unassigned credits in Mathematics

MAT 102 Fundamental Mathematics **3 credits**

Arithmetic, measurement, area, volume, SI (metric system), graphs and

charts, ratio, percentage, introduction to algebra and geometry, and word problems. Of special interest to students entering career programs.

Spring, summer, and fall semesters
Prerequisite: None
Lectures and tutorials: 4
No transfer credit

Note: Students with credit for MAT 101 will not receive credit for MAT 102.

MAT 103 Intermediate Algebra with Trigonometry **3 credits**

This course quickly reviews the algebraic content of MAT 102 and continues to the study of more advanced topics in algebra. Introduces the logarithm, trigonometry, and Cartesian geometry.

Spring, summer, and fall semesters
Prerequisite: MAT 102 or equivalent (see introductory comments)
Lectures and tutorials: 4
No transfer credit

Note: Students with credit for MAT 101 will not receive credit for MAT 103.

MAT 112 College Mathematics **3 credits**

Polynomial, rational, exponential, logarithmic, and circular functions. Conic sections. Trigonometric identities. Intended for students planning to proceed to MAT 120 Calculus.

Spring, summer, and fall semesters
Prerequisite: MAT 103 or equivalent (see introductory comments)
Lecture and tutorial: 4
Transferability:

UBC with MAT 150 Mathematics 130; with MAT 120, 3 unassigned units in Mathematics unless MAT 120 is used with MAT 220 for assigned credit, in which case no credit given for MAT 112
SFU 3 unassigned credits in Mathematics

MAT 120 Calculus **3 credits**

Introduction to differential and integral calculus. Techniques for handling rational functions. Applications.

Spring and fall semesters
Prerequisite: MAT 112 or equivalent (see introductory comments)
Lecture: 3 Tutorial: 1
Transferability:
UBC with MAT 220 Mathematics 100
SFU Mathematics 151

MAT 131 Vectors and Matrices **2 credits**

An elementary introduction to vector spaces, matrices and determinants; applications to the solution of simultaneous equations. This course with MAT 120 is taken by students who wish to attend UBC Science, or Applied Science, or Mathematics.

Spring semester
Prerequisite: MAT 112 or equivalent (see introductory comments)
Lecture: 2
Transferability:
UBC Mathematics 121
SFU with MAT 231 Mathematics 232

MAT 150 Finite Mathematics **3 credits**

The study of counting processes, including mathematical induction, binomial theorem, elementary sequences and series, combinatorics, elementary probability theory, and linear programming.

Spring and fall semesters
Prerequisite: MAT 103 or equivalent (see introductory comments)
Lecture: 3 Tutorial: 1
Transferability:
UBC with MAT 112, 120, or 250 Mathematics 130
SFU Mathematics 100

MAT 220 Calculus **3 credits**

Continues MAT 120 to cover transcendental functions, and introduces the analysis of functions of one variable. Completes requirements for university-transfer credit in first-year calculus.

Spring and fall semesters, and, on sufficient demand, in the summer
Prerequisite: MAT 120 or equivalent
Lecture: 3 Tutorial: 1
Transferability:
UBC with MAT 120 Mathematics 100
SFU Mathematics 152

MAT 231 Linear Algebra **2 credits**

Continues MAT 131, presenting vector spaces other than \mathbb{R}^n and developing the idea of an abstract vector space. Linear transformations and their eigenvectors. Isomorphism.

Fall semester
Prerequisite: MAT 131 (students having credit for MAT 132 will not receive credit for MAT 231)

Lecture: 2

Transferability:

UBC with MAT 331 Mathematics 221

SFU with MAT 131 Mathematics 232

MAT 250 Elements of Calculus with Applications 3 credits

A brief introduction to differential and integral calculus, with heavy emphasis on application in fields of social and biological sciences and commerce. Coupled with MAT 150, this course provides a broad introduction to the uses of mathematics in aforementioned fields.

Spring semester, and, on sufficient demand, in the fall

Prerequisite: MAT 103 or equivalent (see introductory comments)

Lecture: 4

Transferability:

UBC with MAT 150 Mathematics 130

SFU Mathematics 150

MAT 320 Calculus 3 credits

This third semester of the calculus includes numerical sequences and series; power series; Taylor's theorem; differentiation of functions of several variables; extreme values.

Fall semester

Prerequisite: MAT 220 (MAT 131 also advisable)

Lecture: 3 Tutorial: 1

Transferability:

UBC with MAT 420 Mathematics 200

SFU 3 unassigned credits in Mathematics. SFU has agreed to waive Mathematics 253 as a prerequisite to further mathematics for students having MAT 320 (see also MAT 420)

MAT 331 Linear Algebra 2 credits

An introduction to inner product spaces and linear operators with applications from the physical sciences.

Spring semester

Prerequisite: MAT 231

Lecture: 2

Transferability:

UBC with MAT 231 Mathematics 221

SFU 2 unassigned credits in Mathematics

MAT 350 Quantitative Methods 3 credits

Applications of mathematics to business and economics with emphasis on linear models. Includes linear equations, matrix methods, supply and demand, input-output models, linear macro-economic models, linear programming, linear difference equations, and the theory of interest.

Fall semester

Prerequisite: MAT 150 and 250 preferred; other possible prerequisites: MAT 220 and 131, or MAT 112 and 150, or MAT 150 and 120

Lecture: 3

Transferability:

UBC with MAT 450 Commerce 110, 111

SFU 3 unassigned units

MAT 420 Calculus 3 credits

Multiple integrals, vector-valued functions (curves), vector calculus (potential theory), differential equations, and Fourier series.

Spring semester

Prerequisite: MAT 320

Lecture: 3 Tutorial: 1

Transferability:

- UBC with MAT 320 Mathematics 200

SFU with MAT 320 Mathematics 253 and 2 unassigned credits in Mathematics (see also MAT 320)

MAT 450 Quantitative Methods 3 credits

Applications of mathematics to business and economics, with emphasis on non-linear models. Includes non-linear functions, transformations of data, marginal analysis, Lagrange multipliers, utility theory, non-linear programming, method of least squares, and differential equations.

Spring semester

Prerequisite: MAT 350 or permission of instructor

Lecture: 2 Tutorial: 2

Transferability:

UBC with MAT 350 Commerce 110, 111

SFU 3 unassigned units

MODERN LANGUAGES

Courses offered are mostly two semesters. The second semester's work should be taken immediately after the first, otherwise much continuity will be lost. There may be difficulty in obtaining transfer credit for a single semester of a course that is designed as a two-semester unit. Where instructor's permission is required to take a course, it should be obtained in writing before registration.

All language courses are transferable to SFU with unassigned credit, but all students are tested and placed in the appropriate course.

ML 100 Basic Russian 3 credits

This is the first half of a two-semester sequence for beginners with no knowledge of Russian. Includes conversation, grammar, and basic skills of reading and writing the language. Modern languages MODL 200 should be taken immediately after MODL 100.

Fall semester

Prerequisite: None

Lecture: 3 Seminar: 1

Transferability:

UBC with ML 200 Russian 100 (3)

SFU 3 unassigned credits in Modern Languages

ML 120 Basic German 3 credits

For those with little or no experience in the language.

Fall semester

Prerequisite: None

Seminar: 4

Transferability:

UBC with ML 220 German 100 (3)

SFU 3 unassigned credits in Modern Languages

ML 121* German Language 3 credits

Language and introductory literature for those with secondary-school German or a German background.

Fall semester

Prerequisite: ML 120 or permission of instructor

Seminar: 4

Transferability:

UBC with ML 221 German 200 (3)

SFU 3 unassigned credits in Modern Languages

ML 130 French for Beginners 3 credits

This is a one-semester course for students who have had little or no formal French instruction. It is an oral approach to French, preparatory to ML 140.

Spring semesters only

Prerequisite: Nil

Seminar: 4

Transferability:

Applied for

ML 140* Basic French 3 credits

This is the first half of a two-semester sequence to enable students to express themselves in both basic conversational and written French through an intensive oral and written approach.

Fall and summer semesters

Prerequisite: Up to grade 11 French, or equivalent

Seminar: 4

Transferability:

UBC with ML 240 French 110 (3)

SFU 3 unassigned credits in Modern Languages

ML 141*, French Language 3 credits

This is the first half of a two-semester sequence providing exercises in spoken and written French. Introduces better-known modern French writers and some elements of French-Canadian life and letters.

Fall semester

Prerequisite: French 12 or permission of instructor

Seminar: 4

Transferability:

UBC with ML 241 French 120 (3)

SFU 3 unassigned credits in Modern Languages

ML 160 Basic Spanish 3 credits

An intensive oral and written approach to both basic conversational and written Spanish. Introduces the history, culture, and society of the Hispanic World.

Fall semester

Prerequisite: None

Seminar: 4

Transferability:

UBC with ML 260 Spanish 100 (3)

SFU 3 unassigned credits in Modern Languages

ML 180 Language, Mind, and Communication 3 credits

An interdisciplinary introduction to linguistics, approaching the study of language through disciplines such as psychology (acquisition, perception, meaning); sociology and anthropology (culture, society, language); education (learning and language); and communication (mass media and influencing people with language).

Offered on sufficient demand

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC with ML 280 Linguistics 100 (3)

SFU Linguistics 100

ML 200 Basic Russian 3 credits

A continuation of a two-semester course for beginners, providing conversation, grammar, and the basic skills of reading and writing the language.

Spring semester
Prerequisite: ML 100
Seminar: 4
Transferability:
UBC with ML 100 Russian 100 (3)
SFU 3 unassigned credits in Modern Languages

ML 220 Basic German 3 credits

Second semester of ML 120. Students with little or no experience in the language continue to develop basic speaking and reading skills, including vocabulary, idioms, and grammar.

Spring semester
Prerequisite: ML 120
Seminar: 4
Transferability:
UBC with ML 120 German 100 (3)
SFU 3 unassigned credits in Modern Languages

ML 221* German Language 3 credits

A course in language and introductory literature for those with secondary-school German or a German background.

Spring semester
Prerequisite: ML 121
Seminar: 4
Transferability:
UBC with ML 121 German 200 (3 units)
SFU 3 unassigned units in Modern Languages

ML 240* Basic French 3 credits

This course, sequential to ML 140, offers an intensive oral and written approach to both basic conversational and written French.

Spring and summer semesters
Prerequisite: ML 140 or permission of instructor
Seminar: 4
Transferability:
UBC with ML 140 French 110 (3)
SFU 3 unassigned credits in Modern Languages

ML 241* French Language 3 credits

This course, sequential to ML 141, offers a good grounding in both written and spoken French, and introduces some of the best-known modern French writers.

Spring semester
Prerequisite: ML 141 or permission of instructor
Seminar: 4
Transferability:
UBC with ML 141 French 120 (3)
SFU 3 unassigned credits in Modern Languages

ML 260* Basic Spanish 3 credits

An intensive oral and written approach to both basic conversational and written Spanish. Introduces the history, culture, and society of the Hispanic World.

Spring semester
Prerequisite: ML 160 or permission of instructor
Seminar: 4
Transferability:
UBC with ML 160 Spanish 100 (3)
SFU 3 unassigned credits in Modern Languages

ML 300* Intermediate Russian 3 credits

Increases the student's knowledge of Russian grammar, idioms, syntax, vocabulary. Aspects of Soviet everyday life are studied.

Offered on sufficient demand
Prerequisite: ML 200
Seminar: 4
Transferability:
UBC with ML 400 3 units unassigned credit in Russian
SFU 3 unassigned credits in Modern Languages

ML 321* Modern German Literature 3 credits

A study of the development of modern German literature from 1880 to 1945, with reference to social and political changes of the time.

Individual guided studies
Prerequisite: ML 221 or fluency in the language
Seminar: 4
Transferability:
UBC with ML 421 German 310 (3)
SFU 3 unassigned credits in Modern Languages

ML 341* French Language and Style 3 credits

Designed to reinforce oral and written skills, this course contains strong elements of recognized French and French-Canadian literature. Seminars conducted in French.

Fall semester
Prerequisite: ML 241 or permission of instructor
Seminar: 4
Transferability:
UBC French 202 (3) with ML 441
SFU 3 unassigned credits in Modern Languages

ML 360* Spanish Language 3 credits

Amplification of knowledge acquired in ML 160 and 260, utilizing contemporary excerpts from leading Spanish and Latin American newspapers, magazines, and, to a lesser extent, literature. Emphasis is on culture, conversation, and written composition.

Individual guided studies
Prerequisite: ML 260 or permission of instructor
Seminar: 4
Transferability:
UBC with ML 460 Spanish 200 (3)
SFU 3 unassigned credits in Modern Languages

ML 400* Intermediate Russian 3 credits

A continuation of ML 300. Increases the student's knowledge of Russian grammar, idioms, syntax, and vocabulary. Aspects of Soviet everyday life are studied.

Offered on sufficient demand
Prerequisite: ML 300
Seminar: 4
Transferability:
UBC with ML 300 3 units unassigned credit in Russian
SFU 3 unassigned credits in Modern Language

ML 421* Modern German Literature 3 credits

Social and political changes since 1945 are studied through the eyes of selected German writers.

Individual guided studies
Prerequisite: ML 341 or 321, or fluency in the language
Seminar: 4
Transferability:
UBC with ML 321 German 310 (3)
SFU 3 unassigned credits in Modern Languages

ML 441* French Language and Style 3 credits

Designed primarily to reinforce oral and written skills, this course contains strong elements of recognized French and French-Canadian literature. Contemporary French writings are used to develop these skills. Seminars conducted in French. Students proceeding to further work in French are given enrichment in both literature and grammar.

Spring semester
Prerequisite: ML 341 or equivalent, or permission of instructor
Seminar: 4
Transferability:
UBC with ML 341 French 202 (3)
SFU 3 unassigned credits in Modern Languages

ML 460* Spanish Language 3 credits

Amplification of knowledge acquired in ML 160, 260, and 360, utilizing excerpts from leading contemporary Spanish and Latin American newspapers, magazines, and, to a lesser extent, literature. Emphasis is on culture, conversation, and written composition.

Individual guided studies
Prerequisite: ML 360
Seminar: 4
Transferability:
UBC with ML 360 Spanish 200 (3)
SFU 3 unassigned credits in Modern Languages

MUSIC**MUS 100 Basic Theory 3 credits**

The student learns to read music and master musical rudiments as far as the first elements of harmony. No previous knowledge of music is required. Required of Bachelor of Music students who are not ready to take MUS 110. Optional for Bachelor of Education students intending to major in music education, and for the Third-Stream Program.

Fall semester only
Prerequisite: None
Lecture: 5 x 1
Transferability:
UBC: to be determined by Faculty of Education on application
Not transferable to Faculty of Music

MUS 102 Music Appreciation: 400 to 1750 3 credits

A survey of Western music from earliest beginnings in Gregorian chant to

end of the Baroque, i.e. 400 to 1750. Historical developments studied through gramophone recordings, supplemented by live performances, with special attention to instruments.

Fall semester
Prerequisite: None
Lecture: 4
Transferability:
UBC with MUS 103 Music 320 (3 units) transferable to Faculty of Arts

MUS 103 Music Appreciation: 1750 to Present 3 credits

A survey of Western music from pre-classical era to present. Historical developments studied through recordings, supplemented by live performances, with special attention to instruments. A suitable elective for general arts students, but not available to music majors.

Spring semester
Prerequisite: None
Lecture: 4
Transferability:
UBC with MUS 102 Music 302 (3 units) transferable to Faculty of Arts

MUS 105* Ensemble — Band 1 credit

Students will study and perform music from all periods and will be exposed to the problems met in performance of band music with emphasis on rehearsal techniques. This is lab for MUS 151.

Fall and spring semesters
Prerequisite: Royal Conservatory of Music, Toronto, grade 6 or equivalent, or permission of instructor
Laboratory: 2 x 2
Transferability:
UBC with MUS 205 Music 152

MUS 106* College Chorus 1 credit

Members study and perform work from all periods requiring a chorus of large numbers. Familiarization with conductor-performer relationship. Exposure to problems in the performance of choral music, with emphasis on rehearsal techniques. This is lab for Music 151

Fall and spring semesters
Prerequisite: None
Corequisite: For music majors MUS 151; audition required for non-majors
Laboratory: 2 x 2
Transferability:
UBC with MUS 206 Music 153 or 154

MUS 107 Stage Band 1 credit

The student studies, by performance, modern jazz, rock, and popular music; instrumental techniques; and improvisation and sight reading, using study material from various sources.

Fall and spring semesters
Enrolment by permission of instructor
Laboratory: 3
Non-transferable

MUS 110 Theory of Western Music: 400 to 1500 3 credits

An intensive study of elements of Western music from 400 to 1500, especially rhythm and pitch. Special attention to the reading of scores in lecture-room performance, with emphasis on aural comprehension of music in up to three and four parts in simple and compound metres.

Fall semester
Prerequisite: Successful completion of entrance examination in rudiments of music is obligatory for Bachelor of Music students. Bachelor of Education and Third-Stream students may elect to participate in this course
Laboratory: 5 x 1
Transferability:
UBC with MUS 210 Music 100

MUS 111 Modern Arranging 3 credits

The student studies modern arranging techniques involving chord structures, instrumental-section voicing, use of colors and rhythms in jazz, rock and popular music.

Fall semester: Enrolment by permission of instructor
Laboratory: 3
Non-transferable

MUS 120* History of Western Music: 500 to 1450 3 credits

A broad survey of developments in style and form, from earliest-known musical expression in the West to the time of Ockeghem. Emphasis is on score reading and analysis of representative music. Obligatory for university transfer in Bachelor of Music.

Fall semester
Prerequisite: None
Lecture: 3
Transferability:
UBC with MUS 220 Music 120

MUS 121 World of Jazz 3 credits

An explanation of jazz through lecture, discussion, and listening to

recorded music from rag-time to the present.

Fall semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 122 Getting to Know Your Own Songs 1 credit

Students learn and sing Canadian folk songs to be able to teach them.

Spring semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 130 Class Woodwinds 2 credits

A study, by performance, of the flute, oboe, clarinet, saxophone, and bassoon in preparation for effective teaching of instrumental music. Familiarization with peculiarities, tone production, and fingering techniques of all woodwind instruments (using treble and bass clefs).

Fall and spring semesters
Prerequisite: None
Laboratory: 3
Transferability:
UBC with MUS 130 Music 142

MUS 131 Class Brass 2 credits

Techniques for effective teaching of instrumental music. Familiarization with peculiarities, tone production, and fingering techniques of all brass instruments (using treble and bass clefs).

Fall and spring semesters
Prerequisite: None
Laboratory: 3
Transferability:
UBC with MUS 132 Music 141

MUS 132 Class Percussion 2 credits

A study, by performance, of the snare drum, bass drum, cymbals, tympani, mallet, and Latin American rhythm instruments, in preparation for effective teaching of instrumental music. Familiarization with tone production, maintenance, and adjustment of traditional percussion instruments.

Fall and spring semesters
Prerequisite: None
Laboratory: 3
Transferability:
UBC with MUS 131 Music 141

MUS 133 Sight Singing 1 credit

An introduction to sight singing through the so-called "movable doh" system. Singing melodies in two basic clefs. Singing of all major, minor, and perfect intervals and of various rhythmic patterns. Also singing of melodies that include rudimentary modulations.

Fall semester
Prerequisite: None
Laboratory: 3
Transferability:
UBC with MUS 110, MUS 210, Music 100

MUS 134 Class Recorder 2 credits

A practical course for beginners covering performance on soprano, alto, and tenor recorders.

Spring semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 135 Music For The Young Child 2 credits

Provides training in music skills, suitable for use in day-care centres, nursery schools and kindergarten.

Fall semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 140 Piano [Secondary] 1 credit

Piano repertoire, technical requirements, aural training, sight reading, accompaniment, improvisation, and keyboard harmony. Available to majors in B. Mus. (General) Program, and to Third Stream students.

Fall and spring semesters
Prerequisite: None
Laboratory: 4
Transferability:
UBC with Music 240 Music 144 (Piano)

MUS 141 Instrumental [Secondary] 1 credit

The student studies performance fundamentals and breathing techniques

on a secondary instrument of own choice. Major and minor scales and arpeggios to 3 flats and 3 sharps are required. Study material is chosen by instructors.

Fall and spring semesters
Tutorial: ½ hour
Transferability:
To be determined

MUS 142 Vocal [Secondary] 1 credit

The student studies vocal production and the function of the vocal instrument, applying basic vocal skills to simple songs in English and to technical exercises up to Royal Conservatory of Music, Toronto, grade 3 level.

Fall and spring semesters
Prerequisite: None
Tutorial: ½ hour
Transferability:
To be determined

MUS 143 Class Guitar for Beginners 2 credits

A practical course for beginners covering performance of melodies and chords from standard notation.

Fall semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 150* Music Concentration [Instrumental] 2 credits

Tone production, technique, transposition, repertoire, solo performance, ensemble playing, style and development. Open to music majors only in B.Mus. (General) Program.

Fall and spring semesters
Prerequisite: Royal Conservatory of Music, Toronto, grade 6 standing on instrument
Corequisite: MUS 105
Tutorial: 1
Transferability:
UBC with MUS 250 Music 145 (Instrumental)

MUS 151* Music Concentration [Vocal] 2 credits

Vocal tone production, technique, English diction, and vocal instruction; techniques of training voices in choruses.

Fall and spring semesters
Prerequisite: Royal Conservatory of Music, Toronto, grade 6 or equivalent on voice or piano.
Corequisite: MUS 106
Tutorial: 1
Transferability:
UBC with MUS 251 Music 145 (Voice)

MUS 152 Music Concentration [Piano] 2 credits

Piano technique, repertoire, solo performance, style, and development. Open to music majors only in B.Mus. (General) Program.

Fall and spring semesters
Prerequisite: Royal Conservatory of Music, Toronto, grade 8 standing or equivalent
Corequisite: MUS 106
Tutorial: 1
Transferability:
UBC Music (Piano)

MUS 160 Basic Rhythm 2 credits

An approach to understanding and reading music specializing in the rhythm element.

Fall semester
Prerequisite: None
Laboratory: 3
Non-transferable

MUS 200* Basic Harmony — Advanced Theory 3 credits

The student continues the study of diatonic four-part harmony beyond the foundations laid in MUS 100. Open as an elective to non-music majors, and for Third-Stream Program students.

Spring semester
Prerequisite: MUS 100 or permission of instructor
Lecture: 5
Transferability:
UBC 1½ units Music Education 101 for majors in music education
Not transferable to Faculty of Music

MUS 205* Ensemble — Band 1 credit

Students will study and perform music from all periods and will be exposed to the problems met in performance of band music with emphasis on rehearsal techniques and conductor-performer relationship.

Fall and spring semesters
Prerequisite: MUS 105

Corequisite: For music majors MUS 250; audition required from non-majors

Laboratory: 2 x 2
Transferability:
UBC with MUS 105 Music 152

MUS 206* College Chorus 1 credit

Members study and perform works from all periods requiring chorus of large numbers. Familiarization with conductor-performer relationship. Exposure to problems in performance of choral music, with emphasis on rehearsal techniques.

Fall and spring semesters
Prerequisite: MUS 106
Laboratory: 2 x 2
Corequisite: For music majors MUS 251; audition required from non-majors
Transferability:
UBC with MUS 106 Music 153 or 154

MUS 207 Stage Band 1 credit

The student studies, by performance, modern jazz, rock, and popular music; instrumental techniques; and improvisation and sight reading, using study materials from various sources.

Fall and spring semesters
Prerequisite: MUS 107
Laboratory: 3
Enrolment by permission of instructor
Transferability: None

MUS 210* Theory of Western Music: 1450 to 1650 3 credits

Mastery of rudiments of Western music with aural and analytical competence in techniques of melody, harmony, and counterpoint as practised from 1450 to 1650. Special attention to reading of scores and lecture-room performance. Obligatory for B.Mus. students.

Spring semester
Prerequisite: MUS 110
Lecture: 5 x 1
Transferability:
UBC with MUS 110 Music 100

MUS 211* Pop, Rock, and Jazz Composition 3 credits

The student learns to create original melodies and chord progressions. Each student composes, arranges, scores, and copies an original composition for stage band.

Spring semester
Prerequisite: MUS 111
Lecture: 4
Non-transferable

MUS 220 History of Western Music: 1450 to 1650 3 credits

Historical survey of development in style and form in Western music from Ockeghem to Byrd. Obligatory in university-transfer program. Permission of instructor required for others wishing to take course as elective.

Spring semester
Prerequisite: MUS 120 or permission of instructor
Lecture: 3
Transferability:
UBC with MUS 120 Music 120

MUS 230* Advanced Class Woodwinds 2 credits

A study, by performance, of the flute, oboe, clarinet, saxophone, and bassoon, in preparation for effective teaching of instrumental music. Familiarization with peculiarities, tone production, and fingering techniques of woodwind instruments (using both treble and bass clef).

Fall and spring semesters
Prerequisite: MUS 130
Laboratory: 3
Transferability:
UBC with MUS 130 Music 142 (2 units)

MUS 233* Advanced Sight Singing 1 credit

Development of sight-singing skill to an advanced standard through the singing and hearing of various harmonic progressions. Singing of melodies of more complex rhythmic patterns. Extensive exercise in singing of melodies that modulate to further related keys. A brief introduction to clefs other than the basic clefs.

Fall and spring semesters
Prerequisite: MUS 133
Laboratory: 3
Transferability:
UBC with MUS 310, MUS 410 Music 100

MUS 240* Piano [Secondary] 1 credit

Piano repertoire, technical requirements, aural training, sight reading, accompaniment, improvisation, and keyboard harmony. Available to majors in B. Mus. (General) Program, and to Third Stream students.

Fall and spring semesters

Prerequisite: MUS 140
 Laboratory: 4
 Transferability:
 UBC with MUS 240 Music 144 (Piano)

MUS 241* Instrumental [Secondary] 1 credit

The student studies, by performance, fundamentals and breathing techniques on a secondary instrument of own choice. Major and minor scales and arpeggios to 5 flats and 5 sharps required. Study material chosen by instructors.

Prerequisite: MUS 141
 Tutorial: ½ hour
 Transferability:
 UBC Music (Instrumental)

MUS 242* Vocal [Secondary] 1 credit

Students continue to study vocal production and function of the vocal instrument, applying basic vocal skills to songs in English and to technical exercises up to Royal Conservatory of Music, Toronto, grade 4 level.

Fall and spring semesters
 Prerequisite: MUS 142
 Transferable to UBC

MUS 243 Class Guitar II 2 credits

A practical course covering performance of melodies and chords in all fret positions.

Spring semester
 Prerequisite: MUS 143
 Laboratory: 3
 Non-transferable

MUS 250* Music Concentration [Instrumental] 2 credits

Tone production, technique, transposition, repertoire, solo performance, ensemble playing, style development. Open only to music majors in B.Mus. (General) Program.

Fall and spring semesters
 Prerequisite: MUS 150
 Corequisite: MUS 205
 Tutorial: 1
 Transferability:
 UBC with MUS 150 Music 145 (Instrumental)

MUS 251* Music Concentration [Vocal] 2 credits

Vocal tone production, technique, English diction, and vocal pedagogy. Techniques of training voices in chorus. Open to music majors only in B.Mus. (General) Program.

Fall and spring semesters
 Prerequisite: MUS 151
 Corequisite: MUS 206
 Tutorial: ½ hour. Seminar: 1
 Transferability:
 UBC with MUS 151 Music 145 (Voice)

MUS 252* Music Concentration [Piano] 2 credits

Piano technique, repertoire, solo performance, style, and development. Open to music majors only in B.Mus. (General) Program.

Prerequisite: MUS 152
 Tutorial: 1
 Transferability:
 UBC Music (Instrumental)

MUS 305* Ensemble — Band 1 credit

Students study and perform music from all periods and become exposed to the problems met in performance of band music with emphasis on rehearsal techniques and conductor-performer relationship.

Fall and spring semesters

Prerequisites: MUS 205
 Corequisite: For music majors MUS 230; audition required from non-majors
 Laboratory: 2 x 2
 Transferability:
 UBC with MUS 405 Music 252

MUS 306* College Chorus 1 credit

Members study and perform works from all periods requiring a chorus of large numbers. Familiarization with conductor-performer relationship. Exposure to problems of choral music, with emphasis on rehearsal techniques. This lab for MUS 351.

Fall and spring semesters
 Prerequisite: MUS 206
 Corequisite: For music majors MUS 351; audition required from non-majors
 Laboratory: 2 x 2
 Transferability:
 UBC with MUS 406 Large Ensemble second-year B.Mus. (General)

MUS 307* Stage Band 1 credit

The student studies, by performance, modern jazz, rock and popular music; instrumental techniques; improvisation and sight reading, using study materials from various sources.

Fall and spring semesters
 Prerequisite: MUS 207
 Enrolment by permission of instructor
 Non-transferable

MUS 310* Theory of Western Music: 1600 to 1750 3 credits

The student continues to master the rudiments of Western music, gaining aural, analytical, and writing competence in harmony as practised from 1700 to 1850. Special attention given to aural work, and to the analysis and imitation of the main styles of Bach and Handel.

Fall semester
 Prerequisite: MUS 210
 Lecture: 5 x 1
 Transferability: UBC with MUS 410 Music 200

MUS 320 History of Western Music: 1600 to 1750 3 credits

A study of development in style and form in Western music from Monteverdi to Bach. Obligatory in university-transfer program in music. Permission of instructor required for those wishing to take course as elective.

Fall semester
 Prerequisite: None
 Lecture: 3
 Transferability:
 UBC with MUS 420 Music 320

MUS 340* Piano [Secondary] 1 credit

Piano repertoire, technical requirements, aural training, sight reading, accompaniment, improvisation, and keyboard harmony. Available to majors in B.Mus. (General) Program, and to Third-Stream students.

Fall and spring semesters
 Prerequisite: MUS 240
 Tutorial: ½ hr. Student-directed learning: 5
 Transferability:
 UBC with MUS 440 Music 244 (1 unit)

MUS 341* Instrumental [Secondary] 1 credit

The student studies performance fundamentals and breathing techniques on a secondary instrument of own choice. Major and minor scales and arpeggios to 3 flats and 3 sharps required. Study material chosen by instructors.

Fall and spring semesters
 Tutorial: ½ hr.
 Transferable to UBC

MUS 342* Vocal [Secondary] 1 credit

The student studies vocal production and function of the vocal instrument, applying basic vocal skills to songs in English and to technical exercises up to Royal Conservatory of Music, Toronto, grade 5 level.

Fall and spring semesters
 Transferable to UBC

MUS 350* Music Concentration [Instrumental] 2 credits

Tone production, instrumental techniques, transposition, repertoire, solo performance, ensemble playing, and style development. Open only to music majors in B.Mus. (General) Program.

Fall and spring semesters
 Prerequisite: MUS 250
 Corequisite: MUS 305
 Tutorial: 1
 Transferability:
 UBC with MUS 450 Music 245 (Instrumental)

MUS 351* Music Concentration [Vocal] 2 credits

Vocal tone production, tone color, English, Italian, French, Latin, and German diction; music (vocal from Baroque, Classical, Romantic, and contemporary periods, and an understanding of stylistic and interpretative characteristics of each. Students acquire knowledge of library research methods pertaining to each, also knowledge of library research methods pertaining to vocal solo and choral groups.

Fall and spring semesters
 Prerequisite: MUS 251
 Corequisite: MUS 306
 Tutorial: 1 hr. Seminar: 1
 Transferability:
 UBC with MUS 451 Music 245 (Vocal)

MUS 352* Music Concentration [Piano] 2 credits

Piano technique, repertoire, solo performance, style and development. Open to music majors only in B.Mus. (General) Program.

Prerequisite: MUS 252

Corequisite: MUS 106
Tutorial: 1
Transferability:
UBC Music (Piano)

MUS 405* Ensemble — Band **1 credit**

Students study and perform music from all periods and become exposed to the problems met in performance of band music with emphasis on rehearsal techniques and conductor-performer relationship.

Fall and spring semesters
Prerequisite: MUS 305
Corequisite: For music majors, MUS 450; audition required from non-majors
Laboratory: 4
Transferability:
UBC ½ units Large Ensemble

MUS 406* College Chorus **1 credit**

Members study and perform works from all periods requiring a chorus of large numbers. Familiarization with conductor-performer relationship. Exposure to problems in performance of choral music, with emphasis on rehearsal techniques. This is lab for MUS 451.

Fall and spring semesters
Prerequisite: MUS 306
Corequisite: For music majors MUS 451; audition required from non-majors
Laboratory: 4
Transferability:
UBC with MUS 306 Large Ensemble second-year B.Mus. (General) Program

MUS 407 Stage Band **1 credit**

The student studies, by performance, modern jazz, rock, and popular music; instrumental techniques; and improvisation and sight reading, using study materials from various sources.

Fall and spring semesters
Prerequisite: MUS 307
Enrolment by permission of instructor
Non-transferable

MUS 410* Theory of Western Music: 1750 to 1910 **3 credits**

The student continues to master the rudiments of Western music, gaining aural, analytical, and writing competence in harmony and form as it developed up to c.1880. Special attention given to formal analysis, reading of scores, written assignments in small forms, and aural work. Obligatory for B.Mus. students. Bachelor of Education and Third-Stream Program students may elect to participate in this course.

Spring semester
Prerequisite: MUS 310
Lecture: 5
Transferability:
UBC with MUS 310 Music 200

MUS 420 History of Western Music: 1750 to 1910 **3 credits**

Developments in style and form of Western music from Haydn to Schoenberg. Obligatory for students in B.Mus. (General) university-transfer program; optional for students majoring in music education; permission of instructor required for those wishing to take course as elective.

Spring semester
Prerequisite: None
Lecture: 3
Transferability:
UBC with MUS 310 Music 320

MUS 440* Piano [Secondary] **1 credit**

Piano, repertoire, technical requirements, aural training, sight reading, accompaniment, improvisation, and keyboard harmony. Available to majors in B.Mus. (General) Program and to Third-Stream students.

Fall and spring semesters
Prerequisite: MUS 340
Tutorial: ½ hr. Student-directed learning: 5
Transferability:
UBC with MUS 340 Music 244 (Piano)

MUS 441 Instrumental [Secondary] **1 credit**

The student studies performance fundamentals and breathing techniques on a secondary instrument of own choice. Major and minor scales and arpeggios to 3 flats and 3 sharps required. Study material chosen by instructors.

Fall and spring semesters
Prerequisite: MUS 341
Laboratory: 1 Tutorial: ½ hr.
Transferable to UBC

MUS 442 Vocal [Secondary] **1 credit**

Students continue to study vocal production and function of the vocal

instrument, applying basic vocal skills to songs in English and to technical exercises up to Royal Conservatory of Music, Toronto, grade 6 level. Students are introduced to German, Italian, and French diction.

Fall and spring semesters
Tutorial: ½ hr.
Fall and spring semesters

MUS 450 Music Concentration [Instrumental] **2 credits**

Tone production, instrumental techniques, transposition, repertoire, solo performance, ensemble playing, and style development. Open only to music majors in B.Mus. (General) Program.

Fall and spring semesters
Prerequisite: MUS 350
Corequisite: MUS 405
Tutorial: 1
Transferability:
UBC with MUS 350 Music 245 (Instrumental)

MUS 451* Music Concentration [Vocal] **2 credits**

Vocal production, tone color, English, Italian, French, Latin, and German diction; music (vocal) from Baroque, Classical, Romantic, and contemporary periods, and an understanding of stylistic and interpretative characteristics of each. Students acquire knowledge of library research methods pertaining to vocal solo and choral groups.

Fall and spring semesters
Prerequisite: MUS 351
Corequisite: MUS 406
Tutorial: 1
Transferability:
UBC with MUS 351 Music 245 (Voice)

MUS 452* Music Concentration [Piano] **2 credits**

Piano technique, repertoire, solo performance, style development. Open to music majors only in B.Mus. (General) Program.

Prerequisite: MUS 352
Tutorial: 1
Transferable to UBC

PHILOSOPHY

Although any Douglas philosophy course may be taken without a prerequisite, PHI 100 provides a valuable grounding for all other courses. Transferability to UBC as follows:

Any two of PHI 100, 110, 120, 150, 160, 200, 210, 290 equivalent of UBC Philosophy 100 (3).
Any four of above, UBC Philosophy 100 (3) and 201 (3).

PHI 100 Introduction to Philosophy **3 credits**

An introduction to questions raised by philosophical thinking, past and present, and to those who raised them. Emphasis on an introductory understanding of philosophy with special attention to "What is real?" and "How do we know what we claim to know?" Seminars, discussion periods, and film presentations augment studies in selected philosophical readings.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU Philosophy 100 (3)

PHI 110 Morality in Turmoil **3 credits**

A search for the meaning and justification of moral judgments such as "right," "wrong," "good," "evil," with special attention to contemporary moral concerns. Includes relevant readings in classical and modern texts, discussion groups, field work, and research of student's choice.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU Philosophy 103 (3)

PHI 120 Fact, Faith, and Fiction **3 credits**

An introduction to the philosophy of religion that investigates the sociological fact of religion; concepts of faith; relation of religious faith to reason, ethics, and problems of both evil and free will; fictions in theism, agnosticism, and atheism. Owing to the dominant position of Judaic-Christian religion in Western civilization, special attention is given to this area.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU 3 unassigned credits in Philosophy

PHI 130 Religious Thought **3 credits**

An introduction to the development of religions, their common themes, and their influence on human thought; also their philosophical.

anthropological, and psychological implications.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC to be determined
SFU 3 unassigned credits in Arts

PHI 131 Religions of Mankind 3 credits

A comparative examination of major religions in the context of human thought and culture: the role of myth, legend, miracles, faith, beliefs, and revelation, as found in the major religions.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC 1½ units unassigned credit in Religious Studies
SFU 3 unassigned credits in Arts

PHI 140 Existentialism 3 credits

Acquaints students with the fundamentals of the existentialist movement as a philosophical perspective. Involves a survey of the historical and philosophical background of the movement; an examination of the method of phenomenology and an analysis of the manner in which it is utilized by existentialists; a survey of the common main themes of the movement.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC to be determined
SFU to be determined
Notre Dame 1½ unassigned credits in Philosophy
U Vic 1½ unassigned credits in Philosophy

PHI 150 Critical Thinking 3 credits

A study of logical uses of language, and basic forms and rules of logical reasoning. Includes deduction and induction, fallacies, definition, traditional deductive logic, validity and invalidity, elements of symbolic logic. Emphasis on acquiring a working knowledge of topics covered.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU Philosophy 110 (3)

PHI 160 Philosophy, Religion, and Women 3 credits

This course considers the notion of womanhood with respect to the various stages of man's intellectual history from the dawn of mankind up to the women's liberation movement in contemporary society. Figuratively speaking, it looks at the notion of womanhood within the context of the traditional distinctions man has drawn between the concepts of ego and object, nature and history, mind and body, nature and grace. Its primary theme is, to what extent have these concepts and distinctions influenced the various stages of human development in general, and that of women in particular.

Prerequisite: Nil
Lecture: 4
Transferability:
UBC 1½ unassigned credits
SFU general elective credit

PHI 200 Studies in Philosophy 3 credits

A continuation of PHI 100 with emphasis on freedom and determinism, moral philosophy, and the philosophy of politics. Seminars, discussion periods, and film presentations augment studies in selected philosophical readings.

Prerequisite: Nil (PHI 100 is advised first)
Lecture: 2 Seminare: 2
Transferability:
UBC (see above)
SFU 3 unassigned credits in Philosophy

PHI 210 Ethics and Moral Judgment 3 credits

Continuing the search for meaning and justification of moral judgments initiated in PHI 110. Includes relevant readings in classical and modern texts, discussion groups, field work, and research of student's choice. Special emphasis is given to relating content of the course to contemporary moral problems.

Prerequisite: Nil
Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU 3 unassigned credits in Philosophy

PHI 290 Political Man and Social Man 3 credits

A study of sources and limits of political authority, relationship between the individual and society, moral dimensions of social control, and the impact of behavioral sciences on social and political philosophy. Readings include relevant texts in classical and modern philosophy and in social sciences.

Prerequisite: Nil

Lecture: 2 Seminar: 2
Transferability:
UBC (see above)
SFU 3 unassigned credits in Philosophy

PHYSICAL EDUCATION

Physical Education Service Program

The popularity of many activity courses at Douglas College has prompted expansion into the area of voluntary service courses. All students, both part-time and full-time, are eligible to enroll in any one or more of these courses, which emphasize personal rather than professional development.

Classis meet for three hours weekly, and each course carries one credit. The three hours are devoted mainly to practical work. These courses are at present no-transferable but give credit toward the College diploma. The courses are numbered PE 130 to PE 150.

These service courses are PE 130 to 150.

**PE 100 Recreational Programming for Child-Care Workers: 3 credits
Part 1**

This is a required course for students in the Child-Care Worker Program in which students develop skills related to passive games, arts and crafts, music and drama. Skills taught are appropriate for use with groups between the ages of 6 to 18.

Prerequisite: Enrolment in Child-Care Worker Program
Lecture: 1 Laboratory: 3
No transfer credit

**PE 101 Recreational Programming for Child-Care Workers: 3 credits
Part 11**

This is a required course for students in the Child-Care Worker Program in which students learn skills required to conduct a broad spectrum of recreational activities ranging from active games to outdoor education. Skills taught are appropriate for use with groups between ages of 6-18.

Prerequisite: Enrolment in Child-Care Worker Program
Lecture: 1 Laboratory: 3
No transfer credit

PE 110 Track and Field 2 credits

Theoretical and practical knowledge of six track and field events. Not intended to produce top-class athletes, but rather teachers who can help children and the community to make good use of leisure time through participation in athletic diversions. High jump, long jump, discus, shot put, sprinting, and middle-distance running are dealt with under the headings: kinesiological principles, teaching methods, and techniques appropriate to school and community programs. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 250

PE 111 Badminton 2 credits

Theoretical and practical knowledge of badminton. Not intended to produce expert players, but rather teachers who can help children in the community to make good use of leisure time through participation in athletic diversions. Emphasis is on skills, rules, tactics, teaching methods, and techniques appropriate to school and community programs. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 220

PE 112 Volleyball 2 credits

Theoretical and practical knowledge of volleyball. Not intended to produce expert players, but rather teachers who can help children and the community to make good use of leisure time through participation in athletic diversions. Emphasis is on skills, rules, tactics, teaching methods, and techniques appropriate to school and community programs. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 219

PE 113 Swimming and Water Safety 2 credits

Theoretical and practical knowledge of water-safety skills, strokes, entries, survival, and teaching techniques appropriate to school and community programs. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Laboratory: 3

Transferability:
UBC P.E. 230

PE 114 Basketball 2 credits

Theoretical and practical knowledge of basketball. Not intended to produce expert basketball players, but rather teachers who can assist children and the community to make good use of leisure time through participation in athletic diversions. Emphasis is on skills, offensive and defensive tactics, teaching methods, and techniques. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 210

PE 115 Recreation Activities 2 credits

Prepares the student to conceive, organize, and operate indoor recreation programs involving games, contests, and relays — including individual, pair, team, and group activities. Emphasizes teaching techniques and program planning. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 218

PE 116 Tennis 2 credits

This course, ordinarily given in summer, provides theoretical and practical knowledge of tennis. Not intended to produce expert players, but rather teachers who can assist children and the community to make good use of leisure time through participation in athletic diversions. Emphasis is on skills, rules, tactics, teaching methods, and techniques. Offered as elective and for transfer.

Summer semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 226

PE 117 Conditioning Programs 2 credits

Theoretical and practical knowledge of conditioning programs related to specific needs. Not intended to produce top-class athletes, but rather instructors to serve the community. Emphasis is on conditioning exercises, fitness assessment, adaptation of exercise programs, teaching methods, and techniques. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Gymnasium: 3
Transferability:
UBC P.E. 203

PE 118 Contemporary Dance 2 credits

Theoretical and practical knowledge of contemporary dance as taught from the elementary to the college level. Not intended to produce experts, but rather instructors to serve the community. Emphasis is on rhythm and movement skills, dance notation, percussion accompaniment, teaching methods, and techniques. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 241

PE 119 Gymnastics [Men] 2 credits

Theoretical and practical knowledge of tumbling, free-standing and apparatus gymnastics, and teaching methods. Not intended to produce expert gymnasts, but rather teachers who can assist children and the community to make good use of leisure time through participation in physical activity. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 202

PE 120 Gymnastics [Women] 2 credits

Theoretical and practical knowledge of field hockey. Not intended to produce expert players, but rather teachers of field hockey who will be able to utilize the acquired knowledge within the community and schools. Emphasis is on skills, rules, offensive and defensive tactics, teaching methods, and techniques. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 201

PE 121 Field Hockey 2 credits

Theoretical and practical knowledge of field hockey. Not intended to produce expert players, but rather teachers of field hockey who will be able to utilize the acquired knowledge within the community and schools. Emphasis is on skills, rules, offensive and defensive tactics, teaching methods, and techniques. Offered as elective and for transfer.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 213

PE 122 Soccer 2 credits

Theoretical and practical knowledge of soccer. Not intended to produce expert players, but rather teachers who will be able to utilize the acquired knowledge within the community and schools. Emphasis is on skills, rules, offensive and defensive tactics, teaching methods, and techniques. Offered as elective and for transfer.

Spring semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 216

PE 123 Ballroom Dancing 2 credits

Theoretical and practical knowledge of figures and techniques of waltz, fox trot, rumba, samba, tango, cha-cha-cha, polka, jive, and discotheque swing. Covers the history of social dance, dance etiquette, and teaching methods.

Fall semester
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 242

PE 124 Outdoor Activities and Leadership Skills 2 credits

An introduction to camping, orienteering, cross-country skiing, snowshoeing, and canoeing. The main emphasis is on outdoor leadership skills, since this course is designed basically for students going into teaching.

Spring semester
Prerequisite: None
Lecture: 1 Practical: 3
Transferability:
UBC P.E. 222

PE 125 Baseball 2 credits

Theoretical and practical instruction in teaching, coaching, and playing baseball. Students are taught how to play each position on the field to qualify them to teach or coach baseball at all skill levels and age groups. They also have the opportunity to do some practical teaching.

Spring semester
Prerequisite: None
Lecture: 1 Practical: 3
Transferability:
UBC P.E. 208

PE 126 Curling 2 credits

Theoretical and practical instruction in teaching, coaching, and actual curling. Covers all skills, rules, strategy, terminology, etiquette, history, methods of organizing tournaments, and teaching and coaching methods.

Spring semester
Prerequisite: None
Lecture: 1 Practical: 3
Transferability:
UBC P.E. 227

PE 130 Swimming 1 credit

Water safety, strokes, skills, entries, survival techniques; recreational and competitive activities, including racing, diving, water polo, and other games.

Fall semester
Prerequisite: None
Physical participation: 3
No transfer credit

PE 13 Archery 1 credit

Selection and care of archery equipment, safety measures, shooting techniques, skills, target shooting, competitive events, novelty tournaments, archery golf.

Offered on sufficient demand
Prerequisite: None
Physical participation: 3
No transfer credit

PE 132 Curling 1 credit

Dress, equipment, delivery, take-out technique, sweeping, rules, terminology, etiquette, skipping strategy.

Offered on sufficient demand

Prerequisite: None
Physical participation: 3
No transfer credit

PE 133 Conditioning 1 credit

Individual appraisal of elements of fitness, individual and group exercise programming, calisthenic and isometric exercise, weight and circuit training, jogging, individual and group games and contests. Students learn to assess personal physical condition, and the means to attain and maintain achieved levels of strength, endurance, trimness, etc. with minimum drudgery.

Offered on sufficient demand

Prerequisite: None
Physical participation: 3
No transfer credit

PE 134 Badminton 1 credit

Basic strokes, rules, and strategies for singles and doubles play; terminology; tournament competition.

Offered on sufficient demand

Prerequisite: None
Physical participation: 3
No transfer credit

PE 135 Squash, Handball, and Racquetball 1 credit

Basic strokes, rules, and strategies for singles and doubles play; terminology; tournament competition.

Fall semester

Prerequisite: None
Physical participation: 3
No transfer credit

PE 136 Golf 1 credit

Selection and care of equipment, safety, etiquette, golf swing, techniques and skills of using various clubs; terminology, course practice, scoring competition.

Spring semester

Prerequisite: None
Physical participation: 3
No transfer credit

PE 137 Basic Scuba Diving 1 credit

Students learn sufficient theoretical knowledge of scuba-diving physics, physiology, equipment, and safety, as well as thorough practical training in pool and open water. Students must meet requirements of international certification.

Spring semester

Prerequisite: Medical examination (form provided)
Seminar: 1 x 2 Field experience: 1 x 1½ Pool: 1 x 2
No transfer credit

PE 210 Track and Field 2 credits

Theoretical and practical knowledge of seven track and field events. Not intended to produce champions, but rather instructors to teach in schools and serve the community. Specific studies of sprinting, hurdling, middle-distance relays, jumping, pole vaulting, throwing. Throwing methods appropriate to school and community programs stressed. Offered as elective and for transfer.

Offered on sufficient demand

Prerequisite: PE 110 or permission of instructor
Lecture: 1 Laboratory: 3
Transferability:
UBC P.E. 251

PE 350 Foundations of Physical Education 3 credits

An in-depth study of physical education as a profession, as well as of principles, nature, scope, and objectives of physical education and their interpretations. Course is required in Bachelor of Physical Education Program, and in Bachelor of Education programs with a physical education major.

Fall semester

Prerequisite: None
Lecture: 3 Seminar: 1
Transferability:
UBC P.E. 260

PE 360 Health Education 3 credits

An introduction to anatomy and physiology, involving study systems, growth and development, and personal hygiene. Offered as elective and for transfer.

Spring semester

Prerequisite: None
Lecture: 4
Transferability:
UBC P.E. 262

PHYSICS

Students intending to either major or honor in physics should consult the calendar of the university which they plan to attend after leaving Douglas, to determine the exact prerequisites for physics, mathematics, and chemistry.

For either a major or an honor in physics, courses selected during the first and second semesters should include:

PHY 100 and 200, or PHY 110 and 210
CHE 110 and 210
MAT 120, 220, and 131

In the third and fourth semesters, the selected courses should include:

PHY 320, 321, 420, and 421
MAT 231, 320, 331, and 420

The four-semester Physics Program at Douglas does not completely match the first two years of the UBC Physics Major Program. During their third year at UBC, Douglas graduates must take Physics 210 (2), and may also be asked to take Physics 156 (1½). Those intending to honor in physics at UBC are advised to transfer after completing two semesters at Douglas.

The honors and major programs at SFU are identical up to the end of the fourth level (semester). Students proceeding to SFU after having completed the four-semester Physics Program at Douglas will be lacking the equivalent of Physics 202 and 203, but they can make up these courses at SFU.

PHY 100* Introductory General Physics 3 credits

A non-calculus physics course for students with little or no background in physics, covering mechanics and sound.

Fall semester

Prerequisite: B.C. Math 11 or equivalent knowledge of trigonometry and algebra, or permission of instructor

Lecture: 3 Laboratory: 3 Tutorial: 1

Transferability:

UBC with PHY 200 and an average grade of A or B, Physics 110
UBC with PHY 200 and an average grade of C, Physics 105
SFU Physics 101 plus one unit standing in the laboratory

PHY 105 Solar System Astronomy 3 credits

A survey of the solar system for non-Science majors, involving study of physical laws necessary for observation and understanding of the solar system. Includes origin of the solar system, planets and their satellites; telescopes and optics; light and the electromagnetic spectrum; comets, meteors, and asteroids.

Fall Semester

Prerequisite: None

Lecture: 3 Laboratory: 2

Transferability:

UBC 1½ units unassigned (not for credit in Faculty of Science)
SFU 3 units general elective credit (Physics)

PHY 110* Mechanics and Sound 3 credits

Topics include vectors; particle kinematics and dynamics; momentum, work, energy and power; rotational motion; statics; periodic motion; wave motion; and sound.

Fall semester

75/Prerequisites: B. C. Math 12 (or equivalent) and B. C. Physics 12 (or equivalent), or at least second-class standing in B. C. Physics 11 and B. C. Math 12 and permission of instructor. A course in calculus must precede this course or be taken concurrently

Lecture: 3 Laboratory: 3 Tutorial: 1

Transferability:

UBC with PHY 210 Physics 115
SFU Physics 201 and Physics 236

PHY 200* Introductory General Physics 3 credits

A non-calculus physics course for students with little or no background in physics. Covers heat, electricity and magnetism, and light.

Spring semester

Prerequisites: PHY 100 or B. C. Physics 11 and B. C. Mathematics 11 or equivalent, or permission of instructor

Lecture: 3 Laboratory: 3 Tutorial: 1

Transferability:

UBC with PHY 100 and an average grade of A or B, Physics 110
UBC with PHY 100 and an average grade of C, Physics 105
SFU Physics 102 plus one unit standing in the laboratory

PHY 205* Stellar Astronomy 3 credits

A survey of stars and stellar systems (clusters, galaxies), the evolution of stars, and cosmology. For non-Science majors.

Spring semester

Prerequisite: PHY 105 or permission of instructor

Lecture: 3 Laboratory: 2

Transferability:

UBC 1½ units unassigned (not for credit in Faculty of Science)
SFU 3 units general elective credit (Physics)

PHY 210* Heat, Electricity and Magnetism, and Light 3 credits

Topics include temperature, thermal expansion, quantity of heat, heat transfer, thermodynamics, electrostatics, direct current circuits, magnetic forces and fields, electromagnetic induction, reflection and refraction of light, interference and diffraction, and polarization.

Spring semester

Prerequisites: PHY 110 or equivalent, or PHY 100 with a grade of either A or B and permission of instructor. Must be preceded by a course in calculus

Lecture: 3 Laboratory: 3 Tutorial: 1

Transferability:

UBC with PHY 110 Physics 115
SFU Physics 204 and Physics 236

Note: If both PHY 110 and 210 are completed, credit is obtained for 234 rather than 236.

PHY 320* Heat and Special Relativity 3 credits

Topics include kinetic theory of gases, the laws of thermodynamics, entropy, Galilean and Lorentz transformation, and relativistic kinematics and dynamics.

Spring semester

Prerequisite: PHY 210 or 100 and 200 with an A or B average and permission of instructor. MAT 320 must precede it or be taken concurrently.

Lecture: 3 Tutorial: 1

Transferability:

UBC 1½ units unassigned credit in Physics
SFU Physics 206 plus 1 unit of unassigned credit in Physics

PHY 321* Laboratory in Contemporary Physics 1 credit

This laboratory course consists of experiments on direct-current instruments and circuit concepts, the motion of charged particles in electric and magnetic fields, and the operation and application of an oscilloscope. In addition, there are lectures and demonstrations on electrical instrumentation and measurement.

Fall semester

Prerequisite: PHY 420 must precede it or be taken concurrently

Laboratory: 3

Transferability:

UBC with PHY 421 Physics 219 or 239

SFU Physics 236. **Note:** If any two of PHY 110, 210, 321, 421 are completed, the laboratory credit will be Physics 234; if three are completed, the credit will be Physics 231; if all four are completed, the credit will be Physics 234 and 235.

PHY 420* Intermediate Electricity 3 credits

Topics include electrostatic forces and fields, electric potential, capacitance and dielectrics, direct-current circuits, magnetic fields, electromagnetic induction, magnetic properties of materials, alternating-current circuits, vacuum tubes, and semi-conductor devices.

Fall semester

Prerequisites: PHY 210 or 100 and 200 with an A or B average and permission of instructor. MAT 320 must precede it or be taken concurrently

Lecture: 3 Tutorial: 1

Transferability:

UBC with PHY 421 Physics 234
SFU Physics 205 plus 1 unit of unassigned credit in Physics

PHY 421* Laboratory in Electric Circuits 1 credit

Consists of experiments on alternating-current circuits and on vacuum tubes and semi-conductor devices. In addition, there are lectures and demonstrations on electrical instrumentation and measurement.

Spring semester

Prerequisite: PHY 321

Laboratory: 3

Transferability:

UBC with PHY 321, Physics 219 or 239; or with PHY 420 Physics 234; SFU Physics 236

Note: If any two of PHY 110, 210, 321, 421 are completed, the credit will be Physics 231; if all four are completed, the credit will be Physics 234 and 235

Political science courses at Douglas College are designed not only to acquaint students with the system of government of a nation state or with the items specified in the course titles and descriptions, but also to introduce and to develop skills necessary for a full appreciation of politics. Most courses emphasize discussion or seminar approaches to encourage student participation and debate. While an instructor may hold a particular ideological view, all viewpoints are considered "valid" and their expression is encouraged.

Students planning to major in political science are advised to consult the university to which they intend to transfer to ascertain its requirements.

POL 105 The Canadian Legal System 3 credits

Development of Canadian legal systems, relationship of civil and criminal law, legislative bodies and courts, and court officers.

Prerequisite: Nil

Lecture: 4 and field experience

Transferability:

UBC 1½ units unassigned credit in Political Science
SFU 3 general-elective credits

POL 110 Ideology and Politics 3 credits

An examination of major ideologies, including conservatism, liberalism, socialism, and forms of totalitarianism.

Prerequisite: Nil

Lecture: 2 Seminar: 2

Transferability:

UBC Political Science 202 1½ units unassigned
SFU Political Science 212 (3)

POL 120 Canadian Government 3 credits

A study of the problems of federal, provincial, and municipal government with emphasis on Canada's federal nature and its future as a nation.

Prerequisite: Nil

Seminar: 2 x 2

Transferability:

UBC Political Science 200 1½ units unassigned
SFU Political Science 221 (3)

POL 122 Municipal Government 1½ credits

An examination of municipal government, the government level closest to the people, and of the environment in which it operates. Special emphasis on the practical aspects of municipal government, particularly as it relates to the role of alderman.

Prerequisite: Nil

Lecture: 2 Seminar: 2

No transfer credit

POL 125 Introduction to Political Science 3 credits

An overview of basic political concepts and theories, and an examination of the structures and processes involved in politics and policy-making.

Prerequisite: None

Lecture: 2 Tutorial: 2

Transferability:

UBC 1½ units unassigned credit in Political Science
SFU Political Science 131 (3)

POL 130 Soviet Government: Theory and Practice 3 credits

Presents various descriptions and analyses of the Soviet government in theory and practice. An introduction to the study of Soviet government and politics, followed by: Marxism and Russian Bolsheviks; revolution of 1917 and establishment of the Soviet regime; constitutional evolution of the Soviet system; Communist Party of the Soviet Union; Soviet government and administration; Soviet federalism and nationality problem; Soviet economy and society; Soviet foreign policy; and international communism.

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC 1½ units unassigned credit in Political Science
SFU 3 general-elective credits

POL 140 Chinese Government and Politics 3 credits

Explores a number of topics relating to origin and development of the Chinese communist revolutionary movement, ideology and organization in China, and China's international relations since 1949.

Prerequisite: None

Lecture: 2 Tutorial: 2

Transferability:

UBC 1½ units unassigned credit in Political Science
SFU 3 general-elective credits

POL 150 Introduction to International Relations 3 credits

A critical examination of the nature of the international system of states. Analyzes the political, military, cultural, psychological, economic, and ideological factors affecting the behavior of states in their mutual relations, and the impact of international organizations and technological developments on world politics.

Prerequisite: None

Lecture: 2 Tutorial: 2

Transferability:

UBC with PSC 150 Political Science 204 (3)
SFU Political Science 141 (3)

POL 155 Contemporary International Conflict 3 credits

A study of the nature and causes of international conflict, with an examination of contributions derived from research in disciplines in history, political science, economics, sociology, and psychology. An integration of these methods of analysis is attempted.

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:
 UBC with POL 150 Political Science 204 (3)
 SFU Political Science 141 (3)

PSYCHOLOGY

It is often believed that psychology is the course to take to learn all about people, or how to solve all your problems, or what's wrong with you. No one has all those answers at the present time. Psychology is the study of behavior and is working toward prediction of behavior. It being a relatively new science, progress in understanding and predicting behavior is coming in gradual steps, not by leaps and bounds. There is no magic behind psychology, and there is more use of the scientific method than most students are prepared for. What is known now can be used in your everyday life or in whatever career you choose, but that is not readily apparent in the first semester of the course. Be patient, because you have to learn a lot of basic vocabulary and tools of investigation before you can make any applications. The second semester becomes more exciting, and the second year even more so.

Note: For UBC:

- 1) The maximum advance credit permitted in psychology is 9 units credit at UBC.
- 2) Any two of PSY 320, 321, 322, 330, 350, 430, 450 may be transferred to UBC as assigned credit in Psychology, equivalent to Psychology 206 (3 units).

Note: For SFU and UBC:

Students interested in honoring or majoring in psychology are advised to enrol in PSY 100, 200, and 400 at Douglas. At SFU, students must also take 220 Learning, 230 Perception, and 240 Motivation, for a major or honors; and 30 of their last 60 hours in their third and fourth years must be in psychology courses.

Note: PSY 100 and 200 can be taken in sequence in one semester, rather than two, by doubling the number of classes taken each week. This special introductory package is offered. The transferability of this form is exactly the same as for PSY 100 and 200 if taken separately. Students may take either 100 or 200 or both in this form, but in either case should register at the beginning of a semester. Remember, this course package represents the load of two courses, so do not register in four others unless you want six courses. courses.

PSY 100 Foundations of Contemporary Psychology 3 credits

An introduction to selected major areas in the scientific treatment of behavior: their current status and historical antecedents. This one-semester course develops an integrated view of many areas of psychology, including psychology as a natural and social science, treatment of data, and biological and developmental foundations of psychology.

Spring, summer, and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC with PSY 200 Psychology 100
 SFU: Psychology 101

PSY 110 Social Issues [Psychology of Women] 3 credits

A psychological study of woman's experience in nature. It examines early female development (cognitive, interpersonal, and self-concept development). It explores both the psychological origins and psychological effects of sex roles in an attempt to clarify what the roles are, how they are acquired, and how they are maintained. It then examines adult female development, focusing on the impact of marriage, family, work, and aging. It also covers personality development and mechanisms of change for developing full human potential.

Spring and fall semesters

Prerequisite: None

Lecture: 3 Seminar: 1

Transferability:

UBC: 1½ units Women's Studies
 SFU: 3 credits unassigned in Psychology

PSY 200* Foundations of Contemporary Psychology 3 credits

Focuses on basic psychological processes. Personality, and abnormal and social behavior, examined in relation to basic processes already studied. Relates data of psychology to applied areas such as psychological testing, group processes, personal adjustment, child-rearing practices, personnel and administrative practices, and modification of disordered behaviors.

Spring, summer, and fall semesters

Prerequisite: PSY 100

Lecture: 2 Seminar: 2

Transferability:

UBC with PSY 100 Psychology 100
 SFU: 3 unassigned credits in Psychology

Note: Where there are too few students to constitute a regular class for the 300-level and 400-level courses in the psychology curriculum, arrangements may be made to take these on a guided-studies basis with regularly scheduled weekly meeting times. Refer to the semester class schedule for details of offerings.

PSY 300* Experimental Psychology 3 credits

First of a two-semester experimental sequence which initially considers the philosophy of science, especially as it relates to empirical approaches to psychology. Concentrates on analysis of results of experiments to

enable the students to analyze results of their experiments and to intelligently criticize analyses of other investigators.

Fall semester

Prerequisite: PSY 200

Lecture: 2 Laboratory: 3

Transferability:

UBC with PSY 400 Psychology 200
 SFU: Psychology 210

PSY 320* Developmental Psychology — Child Behavior and Development 3 credits

An introduction to the process of development, focusing on major principles of development; descriptive changes in child growth and behavior; contemporary research and theory on origins and changes in areas such as perception, learning, personality, and social behavior of children.

Spring and fall semesters

Prerequisite: PSY 200

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 301 for credit
 SFU: Psychology 351

PSY 321* Adolescent Psychology 3 credits

A directed investigation in selected areas of developmental psychology. Problem areas are presented and students are encouraged to make in-depth investigations, using contemporary theory and research methodology. Encourages learning through personal experience such as role-playing, field work, and discussion groups.

Spring and fall semesters

Prerequisite: PSY 200

Seminar: 2 Lecture: 2

Transferability:

UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 301 for credit
 SFU: Psychology 355

PSY 322* Developmental Psychology — Aging 3 credits

A detailed examination of the aging process in the context of basic content areas of psychology: motivation, sensation, perception, learning. Considers social implications of aging and seeks solutions to problems. Special treatment procedures in geriatrics are examined, also psychological effects of the concept of death.

Spring and fall semesters

Prerequisite: PSY 222

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Psychology
 SFU: 3 unassigned credits in Psychology

PSY 330* An Introduction to Social Psychology 3 credits

A study of the individual's behavior within his social context, focusing on problems and methods of social psychology at three levels: intrapersonal, interpersonal, and group behavior. Topics include interpersonal attraction, perception, social learning and social influence, social roles and status, and group processes.

Spring and fall semesters

Prerequisite: PSY 200

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 308 for credit
 SFU: Psychology 360

PSY 340 Psychology of Organizations 3 credits

An introduction to the nature of organizations and an examination of the factors influencing individual functioning in organizational settings. The course emphasizes theories and techniques of psychologists and other behavioral scientists in studying behavior in organizations, and in dealing with organizational problems.

Spring and fall semesters

Prerequisites: PSY 100 and 200

Lecture: 1 Laboratory: 2 Seminar: 1

Transferability:

UBC: 1½ units unassigned in Psychology. Psychology 415 can not be taken at UBC for credit
 SFU: 3 credits unassigned in Psychology

PSY 350* Conceptual Frameworks of Abnormal Behavior 3 credits

A theoretical and experimental consideration of personality dynamics and behavior as they relate to a normal-abnormal continuum. A perspective on the concept of abnormality as currently used is sought by considering:

- a) Effects on major psychological processes;
- b) Conceptual frameworks from personality theory;
- c) Cornerstone symptoms related to personal adjustment.

Spring and fall semesters

Prerequisite: PSY 200

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 400 for credit
SFU: 3 unassigned credits in Psychology

PSY 380* Student Proctoring in Psychology 2 credits

Provides experience in the administration and analysis of objective quizzes in psychology. Quizzes are handled in an interview situation. The students may also work in small groups, engaging in discussion concerning the understanding of general psychological principles.

Spring and fall semesters
Prerequisite: PSY 200
Tutorial: 1 Proctoring: 5
No transfer credit

PSY 400* Experimental Psychology 3 credits

The second of a two-semester course on the main content areas of general experimental psychology: physiological psychology, sensation, perception, learning, motivation, social behavior.

Spring semester
Prerequisite: PSY 300
Lecture: 2 Laboratory: 3
Transferability:
UBC with PSY 300 Psychology 200
SFU: Psychology 201

PSY 430* Social Psychology: Theory and Research 3 credits

A sequel to An Introduction to Social Psychology, this course consists of directed investigation in one area of social psychology, enabling the student to learn more fully the theoretical explanations of that area. Contemporary social-psychological research methods are utilized in projects investigating the student's area of interest.

Spring semester
Prerequisite: PSY 330
Seminar: 2 Laboratory: 2
Transferability:
UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 308 for credit
SFU: 3 unassigned credits in Psychology

PSY 450* Theories and Principles of Behavior Modification 3 credits

A consideration of neurotic and severely-disturbed adult behavior, with emphasis on modes of intervention and modification. Includes traditional classification models, experimental data in psycho-pathology, and the full range of therapeutic techniques and environments. Emphasis is on potential usefulness of the material for non-psychological personnel and sub-professional psychology students in relating to behaviorally disordered samples of the population.

Spring and fall semesters
Prerequisite: PSY 350
Lecture: 2 Seminar: 2
Transferability:
UBC: 1½ units unassigned credit in Psychology; enrolment precludes student taking Psychology 401 for credit
SFU: 3 unassigned credits in Psychology

SKILL DEVELOPMENT (Reading and Writing Study Skills)

COM 140 English as a Second Language — See English and Communications**SD 100 Reading Skills 1½ credits**

An eight-week course emphasizing increase in reading rate and comprehension: previewing; skimming and scanning; information analysis; critical reading skills; flexibility of reading rate; reading skills in special-interest areas (academic, business, technical).

Prerequisite: None
Laboratory: 1 Seminar: 2
No transfer credit

SD 101 The Student and Successful Library Research 3 credits

Acquaints the student with methods of research and library materials available to aid in research. Provides practical knowledge of research tools and illustrates how proper use of the library can lead to more efficient employment of time and to better academic performance.

Prerequisite: None
Seminar: 1 Tutorial: 1 Field experience: 1
No transfer credit

SD 110 Study Skills for College 1½ credits

An eight-week course in which useful study skills are demonstrated: listening skills, exam preparation, taking lecture and text notes, time utilization, concentrating and remembering, information analysis, general approaches to study, study techniques for specific subjects, and the writing of themes and course papers.

Prerequisite: None
Lecture: 2 Student-directed learning: 1
No transfer credit

SD 111 How to Write College Research 1 credit

An eight-week course in methods of essay organization and the skill needed to do efficient research. Students are encouraged to bring specific research problems to the tutorial.

Prerequisite: None
Lecture: 2
No transfer credit

SD 120 Writing Skills — See English and Communications**SD 200* Advanced Reading 1 credit**

An opportunity to further develop the skills introduced in 93-100.

Prerequisite: SD 100
Laboratory: 2 Student-directed learning: 1
No transfer credit

RELIGIOUS STUDIES — SEE PHILOSOPHY

RUSSIAN — SEE MODERN LANGUAGES

SOCIAL SCIENCES

SSC 100 Elementary Computer Applications for Social Sciences 3 credits

A practical course on the application of the S.P.S.S. (Statistical Package for the Social Sciences) computer program to quantitative and qualitative data in the social sciences. Experience with computers or mathematical background not required. Emphasis is on using computer facilities, writing and running elementary programs, and analyzing social science data.

Fall and spring semesters
Prerequisite: None
Lecture: 1 Laboratory: 3
Transferability:
UBC: To be determined
SFU: To be determined

SSC 140 Human Relations and Organizational Behavior 3 credits

An introduction to theory and research in the social sciences as they apply to interpersonal relationships, behavior in organizations, and the management of human resources. The course provides an opportunity to develop self-awareness and interpersonal skills that contribute to effective functioning in group settings.

Spring and fall semesters
Prerequisite: None
Lecture: 1 Laboratory: 1 Seminar: 1
Student-directed learning: 1
Transferability:
UBC: To be determined
SFU: To be determined

SSC 200 Social Sciences Perspectives: Idol or Tool or Lie 3 credits

An exploration of the historical and philosophical traditions of the social and behavioral sciences. After a perspective has been gained concerning the assumptions inherent in various social theories, social problems such as mental health, criminology, education, and urbanization, to which social and behavioral scientists address themselves, are re-examined.

Offered on sufficient demand
Prerequisite: Any 100-level course in Social Sciences, or permission of the instructor
Lecture: 2 Seminar: 2
Transferability:
UBC: To be determined
SFU: 3 units unassigned — Interdisciplinary Studies

SOCIOLOGY

As one of the social sciences, sociology is a disciplined, intellectual quest for fundamental knowledge of the nature of things. It specifically deals with social groups, their internal forms or modes of organization, the processes that tend to maintain or change these forms of organization, and the relationships between groups.

The value of a science of social groups should need little emphasis. Each of us is born into a family group, and most of our actions thereafter are performed in our capacity as a member of one group or another.

In SOC 125, the student becomes acquainted with the sociological approach as well as with the major areas of interest in sociology. In SOC 135, the student is concerned with the main thinkers in sociology and their relevance to modern life. Above the 100 level, the student is able to take courses of specific interest.

Those continuing their studies at SFU should take two courses at the 100 level in sociology or anthropology, and three courses above the 100 level in sociology and anthropology.

Students who are not interested in obtaining university-transfer credit for courses above the 100 level can take these courses without the prerequisite. (The prerequisite is necessary if university-transfer credit is desired.) Students may audit any sociology course that interests them.

Note: Since UBC operates on a yearly and not a semester basis, students planning to attend UBC are strongly advised to take both SOC 125 and 135 before proceeding to the 200 level. (This does not apply to students planning to attend SFU.)

SOC 125 Social Processes 3 credits

An investigation of social causes and consequences of stability and change as they affect class, status, and power relationships in contemporary societies.

Spring, summer, and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC with SOC 135 Sociology 200, 250, or 260

SFU: PSA 121

SOC 135 Introduction to Social Theory 3 credits

An examination of the development of sociological theory and its relevance to the present, both within the confines of the discipline and in life. Presents main theories, concepts, and models of sociology.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC with SOC 125 Sociology 200, 250, or 260

SFU: PSA 101

SOC 225* Canadian Social Institutions 3 credits

An examination of the social structure of Canadian society. Involves delineation of the prevailing system of social stratification in Canada and analysis of the dominant lifestyles of Canadians by region and cultural heritage.

Fall and spring semesters

Prerequisite: SOC 125 for transfer to SFU, Sociology 124; for transfer to UBC Sociology 125 and Sociology 135

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ unassigned credits in Sociology

SFU: 3 200-level unassigned PSA credits

SOC 240* The Role of Women in Society 3 credits

A study of women in society with emphasis on the relationship between changes in their roles and changes in the social structure. Possible future trends analyzed.

Fall semester, or on sufficient demand

Prerequisite or corequisite: SOC 125 or 135, or permission of instructor

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Sociology

SFU: 3 unassigned credits in PSA

SOC 250* The Role of the Family in Society 3 credits

A discussion of theories concerning origins of the family as well as an analysis of the family in different cultures. Particularly concerned with family life in Canada and influence of the social structure on the family.

Spring semester, or on sufficient demand

Prerequisite: SOC 125 or 135, or permission of instructor

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Sociology

SFU: 3 unassigned credits in PSA

SOC 260* Sociological Inquiry 3 credits

An investigation of the empirical method employed by sociologists in the collection and validation of data. Includes sampling procedures, quantitative and qualitative analysis, critical analysis of participant and non-participant observations. Model and paradigm construction introduced.

Fall semester

Prerequisite: SOC 125 or 135, or permission of instructor

Seminar: 2 Tutorial: 2

Transferability:

UBC: 1½ units unassigned credit in Sociology

SFU: PSA 231

SOC 280 Sociology of Health and Illness 3 credits

An examination of the sociological and social psychological factors pertaining to health and illness, and their relationship to medicine and the health professions.

Spring and fall semesters

Prerequisite: SOC 125 or 135, or permission of instructor

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned in Sociology at first-year level, or

1½ units unassigned in Sociology at second-year level with prerequisite Sociology SOC 135 Introduction to Social Theory

SFU: 3 credits unassigned in PSA* 200 level

SOC 290* Urbanization and Industrialization 3 credits

An examination of variables involved in the phenomena of urbanization, urban organization, and industrial development. The viewpoint is cross-disciplinary in that social, cultural, and economic variables are brought together in historical context.

Spring and fall semesters

Prerequisite: SOC 135 Introduction to Social Theory

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ units unassigned credit in Sociology

SFU: PSA 221

SOC 360* Sociological Inquiry 3 credits

An in-depth analysis of sociological methods, centred on quantitative analysis including computer application of data, paradigm construction, and questionnaire construction. Practical applications required.

Spring semester

Prerequisite: SOC 125 or 135, or permission of instructor

Tutorial: 4

Transferability:

UBC: 1½ units unassigned credit in Sociology

SFU: PSA 232

**SPANISH — SEE MODERN LANGUAGES
SPEECH — SEE ENGLISH AND
ORAL COMMUNICATIONS**

THEATRE

**THEA 100 A Prism of Man and the Drama:
Insights and Happenings 3 credits**

The dilemma of man and his complexity as revealed in representative plays. Private versus social conscience. Is tragedy an anachronism in the 70's? Forms of drama examined. A chance to be critical. Emphasis is on perception and participation in seminar discussion and playreading, increasing one's awareness of theatre as a reflection of man as a cultural force. Acquaints the student with major movements in modern drama.

Spring and fall semesters

Prerequisite: None

Lecture: 2 Seminar: 2

THEA 105 A Panorama of World Drama to 1642 3 credits

First of a two-semester sequence in the history of the theatre from the Greeks to the close of the English playhouses in 1642. Extensive reading of representative dramatic literature, with attention given to the development of the stage.

Fall semester

Prerequisite: None

Lecture: 2 Seminar: 2

Transferability:

UBC: 1½ unassigned credits in Theatre

SFU: 3 semester hours unassigned in English

**THEA 106 Panorama of World Drama — From 1642
to the Beginning of Naturalism 3 credits**

THEA 110 Acting and Creating 3 credits

An exploration of the actor's inner resources. Students participate in scenes and dramatic exercises with emphasis on sense awareness, improvisation, speech, and movement.

Fall semester

Laboratory: 3 x 2

Transferability:

UBC: 1½ units unassigned credit in Theatre

THEA 111 Speech for the Stage 2 credits

A practical workshop in speech techniques — voice projection, diction, breath control, expressiveness — to equip beginning actors with effective stage voices.

Fall semester

Prerequisite: None

Laboratory: 2 x 2

Transferability:

UBC: 1½ units unassigned credit in Theatre

THEA 120 Developmental Drama Workshop 3 credits

Use of drama such as improvisation, movement, dance, music, film, and various media, to help in developing the whole person: helping the individual to release his creativity; discovery and control of emotion; development of imagination, sensitivity, intellect. For actors and others wishing intensive work in personal development.

Spring and fall semesters

Prerequisite: None

Laboratory: 6

Transferability:

SFU: 3 credits Theatre general elective

UBC: No transfer credit

THEA 140 Stage Design and Scenery Construction 3 credits

A theatre-production course in basic theories and practices of design and construction of stage scenery. Involves students in building scenery for an actual production.

Spring and fall semesters

Prerequisite: None

Laboratory: 5

Transferability:

UBC: 1½ units unassigned credit in Theatre

UVic: Theatre 105 1½ credits

SFU: No transfer credit

THEA 161 Stage Direction 3 credits

A practical introduction to directing for the stage. Through working with scenes and other plays, students gain experience in solving problems concerning the director's responsibility to playwright, actor, audience, and production personnel.

Spring and fall semesters

Prerequisite: None

Lecture: 1 Laboratory: 2 x 3 Tutorial: 1

Transferability:

UBC: 1½ units unassigned credit in Theatre

THEA 171 Creative Movement 2 credits

Provides training in movement techniques designed to develop flexibility, control, and rhythm. Essential for the actor in making his body an expressive instrument.

Fall semester

Prerequisite: None

Laboratory: 2 x 2

THEA 180 Play Production 2 credits

A practical course in acting for the stage, and an introduction to theatre production. Offers active involvement as actor or technician in a major College production performed before a live audience. This course is mandatory for students in the fourth semester of the program.

Prerequisite: None

No transfer credit

Laboratory: 3 x 3

THEA 181 Creative Dance Workshop 2 credits

Practical dance workshop in basic contemporary and jazz, using technique developed from ballet. Emphasis on both creative dance and dance as a form of expression. A broad, general look at the development of dance through practice and participation.

Prerequisite: None

Laboratory: 2 x 2

Transferability:

UBC: 1 unit unassigned credit in Theatre

THEA 210 The Actor and His Style 3 credits

Advanced course in techniques of acting, reading, interpretation, and enactment of selected scenes from major works and short plays. Various styles in acting. Techniques of playing comedy, with participation in a major production. Emphasis is on development of character and ensemble playing.

Spring and fall semesters

Prerequisite: THEA 110

Laboratory: 2 x 3

Transferability:

UBC 1½ units unassigned credit in Theatre

SFU no transfer credit

THEA 211 Advanced Speech 2 credits

A practical workshop in advanced speech techniques: phonetic transcription; use of dialects; reading and expression of prose and poetry, with stress on oral interpretation of Shakespeare; breath control; resonance; tone; articulation; word stress and phrasing.

Spring semester

Prerequisite: THEA 111

Laboratory: 2 x 2

Transferability:

UBC 1½ units unassigned credit in Theatre

THEA 220 Dramatic Theory: The Tragi-Comic Vision 3 credits

Reading and discussion of four major works of dramatic criticism, plus selected plays, showing development of the tragi-comic vision in modern drama.

Spring and fall semesters

Prerequisite: THEA 100

Lecture: 2 Seminar: 2

Transferability:

UBC no transfer credit

SFU 2 semester hours unassigned credit in English

THEA 261 Advanced Directing 3 credits

An advanced course in directing for the stage. Through working with

scenes and directing short plays, students gain additional experience in dealing with the practical problems of transferring printed script to the stage. Particular emphasis on the development of style.

Prerequisite: THEA 161

Laboratory: 2 x 3

Transferability:

UBC 1½ units unassigned credit in Theatre

THEA 310 Advanced Acting 3 credits

An advanced course in styles of acting; reading, interpretation, and enactment of selected scenes from major works and short plays. Emphasis is on development of presentation style in acting.

Fall semester

Prerequisite: THEA 210

Laboratory: 2 x 3

Transferability:

UBC 1½ units unassigned credit in Theatre

VISUAL ART**Transfer Information**

Students intending to continue studies in fine arts at UBC will be asked to submit folios showing the type of background acquired. They will then be fitted into UBC's program on an individual basis. Such students should be aware of the extremely limited intake at the UBC department. Transfer depends on acceptance of student's portfolio and successful completion of the following courses at Douglas:

Douglas College Courses

ART 100, 110, 130, 131, 140, 141,

142, 263 (any two)

ART 120, 121

ART 200, 210, 230, 164, 310, 330,

400, 410, 411, 430 (any four)

ART 300 and 400;

ART 122

ART 333

UBC Courses

Fine Arts 181 (3 units)

Fine Arts 125 (3 units)

Fine Arts 281 (6 units)

Fine Arts 201

Fine Arts (1½ units) unassigned

To be determined

The following courses are transferable to SFU as unassigned credit: ART 120, 121, 122, 222.

Douglas College Courses

ART 100, 161

ART 120, 121

ART 200, 300

ART 210, 310

ART 131, 231

ART 140, 141, 142

ART 122, 222

University of Victoria Courses

Art 100 (3 units)

History in Art 120 (3 units)

Art 200 (3 units)

Art 210 (3 units)

Art 220 (3 units)

Art 230 (3 units)

History in Art 100 level (3 units)

ART 100 Fundamental Drawing 3 credits

An introduction to drawing in all common media, both wet and dry. Includes still-life drawing and basic human anatomy, and is a requirement of all first-year students in the art transfer and painting or craft diploma programs. It is a prerequisite for other courses in drawing and painting. May be taken as an elective.

Spring and fall semesters

Prerequisite: None

Laboratory: 6

Transferability: See detailed transfer information above

ART 110 Fundamental Painting 3 credits

An introduction to basic media and methods, including water color, gouache, oil and acrylic paint; and various grounds such as canvas, board, paper, etc. Also introduces pictorial composition. Required of all first-year students in art transfer and painting or craft diploma programs, and is a prerequisite for sequential painting courses.

Fall semester, or on sufficient demand

Prerequisite: or corequisite: ART 100

Laboratory: 6

Transferability: See detailed transfer information above

ART 120 History of Western Art to 16th Century 3 credits

Provides broad general knowledge and understanding of the history of man as seen through his artistic production from cave art to the Renaissance.

Fall semester

Prerequisite: None

Lecture: 4

Transferability:

UBC with ART 121 Fine Arts 125 (3 units)

SFU 3 unassigned credits

ART 121 History of Western Art: 16th to 20th Centuries 3 credits

Provides broad general knowledge and understanding of the history of man as seen through his artistic production.

Spring semester

Prerequisite: None

Lecture: 4
 Transferability:
 UBC with ART 120 Fine Arts 125 (3 units)
 SFU 3 unassigned credits

ART 122 History of Western Art: 1900 to 1915 **3 credits**
 [formerly ART 320]

A look at some rapidly changing 20th-century art forms, with special reference to principal movements and their exponents.

Fall semester
 Prerequisite: None
 Lecture: 4
 Transferability:
 UBC 1½ unassigned units in Art
 SFU 3 unassigned credits

ART 130 Ceramics and Ceramic Sculpture **2 credits**

Clay explored as an expressive medium for utilitarian and decorative ends. Familiarization with studio tools and equipment, their use and care. Covers techniques of hand construction and wheel-work applicable to sculpture and pottery, as well as various glazing and decorating methods. Assignments directed to individual and class needs. Philosophic enquiries made into the inter-relationship of esthetics and function, and the implication of this art experience in terms of our contemporary world. Some assigned reading.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Lecture: ½ Laboratory: 2½
 Transferability: See detailed transfer information above

ART 131 Figure Sculpture **3 credits**

The use of various sculpture media (including clay and plaster) explored to provide the student with skills and insights in the conception and creation of three-dimensional art.

Fall semester
 Prerequisite: None
 Laboratory: 5 Lecture: 1
 Transferability: See detailed transfer information above

ART 134 Glaze Calculation **2 credits**

Explores the use of empirical atomic theory in the calculation of ceramic glazes. Many types of glazes developed at a variety of temperature ranges.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Laboratory: 2 Lecture: 1
 No transfer credit

ART 140 Relief Printmaking **2 credits**

Printmaking explored as an expressive medium, commencing with an introduction to materials, studio, tools, and equipment. Some techniques of relief printing. Assignments directed to individual and class needs.

Fall semester
 Prerequisite: None
 Laboratory: 3 x 1
 Transferability: See detailed transfer information above

ART 141 Art Silk Screen Techniques **2 credits**

Silk screen explored as an expressive medium, commencing with tools and equipment. Basic and intermediate techniques covered by assignments directed to individual and class needs.

Fall semester
 Prerequisite: None
 Laboratory: 3 x 1
 Transferability: See detailed transfer information above

ART 142 Intaglio Printmaking **2 credits**

Explores the area of metal plate printing and techniques in drypoint, engraving, etching. Use of specialized equipment covered throughout the term. Assignments directed to individual and class needs.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Laboratory: 3
 Transferability: See detailed transfer information above

ART 163 Fundamental Design Theory **2 credits**

Familiarization with fundamental principles of design, with emphasis on their controlled application. Materials introduced as elements of design. Assignments made according to individual and class needs. Some assigned reading.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Lecture: ½ Laboratory: 2½
 Transferability: See detailed transfer information above

ART 164 Fundamental Color Design Theory **2 credits**

Students learn common and useful color theories by emphasizing controlled application, color identification, and color characteristics.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Lecture: ½ hr. Laboratory: 2½ hrs.
 Transferability: See detailed transfer information above

ART 170 Introduction to Weaving **2 credits**

Fundamental forms of weaving, with a combination of traditional and contemporary forms of the craft. The student pursues projects and techniques using a variety of simple and basic looms.

Spring and fall semesters, or on sufficient demand
 Prerequisite: None
 Laboratory: 2 Lecture: 1
 No transfer credit

ART 171 Introduction to Fabric Arts **2 credits**

Introduces structural techniques such as knotting and felting, and non-structural or enriching methods such as printing, batik, tie-dyeing, and applique. Emphasis on technique and proper use of equipment.

Offered on sufficient demand
 Prerequisite: None
 Laboratory: 2 Lecture: 1
 No transfer credit

ART 172 Fabric Art **2 credits**

Includes certain batik techniques, e.g. paste resist, tie and stitch dyeing, dye spraying using paper stencils, fabric collage, and stitchery techniques.

Offered on sufficient demand
 Prerequisite: None
 Laboratory: 3
 No transfer credit

ART 200* Basic Drawing **3 credits**

Provides an opportunity for further experiments in drawing in all common media, both wet and dry. Includes object drawing, life drawing, and a further study of basic human anatomy.

Spring semester, or on sufficient demand
 Prerequisite: ART 100
 Laboratory: 6
 Transferability: See detailed transfer information above

ART 210* Basic Drawing **3 credits**

Further exploration of all common media, including gouache, and oil and acrylic paint on various grounds. The students are enabled to expand their knowledge of pictorial composition.

Spring semester, or on sufficient demand
 Prerequisite: ART 110
 Laboratory: 6
 Transferability: See detailed transfer information above

ART 222 History of Western Art: 1945 to Present **3 credits**
 [formerly ART 420]

Twentieth-century art forms are examined, with special reference to principal movements and their exponents.

Spring semester
 Prerequisite: ART 122
 Lecture: 4
 Transferability: See detailed transfer information above

ART 230* Ceramics **2 credits**

Clay is further explored as an expressive medium for utilitarian and decorative ends. More defined techniques of hand construction and wheel-work covered as applicable. Glazing and decorating procedures are also discussed.

Spring and fall semesters, or on sufficient demand
 Prerequisite: ART 130
 Laboratory: 3
 Transferability: See detailed transfer information above

ART 231* Figure Sculpture **3 credits**

A course in clay modelling, principally from the human figure. Casting techniques included to provide the student with skills and insights in the conception and creation of three-dimensional art.

Spring semester
 Prerequisite: ART 131
 Laboratory: 2 x 3
 Transferability: See detailed transfer information above

ART 263 Foundation of Design **3 credits**

Basic instruction in techniques of composition, using principles of design such as balance, harmony, and basic color use. Designs and projects are related to natural forms and shapes. Students relate their work to themselves and to their present experience and environment.

Fall semester

Prerequisite: ART 163 or 164

Laboratory: 6

Transferability: See detailed transfer information above

ART 300* Intermediate Drawing **3 credits**

Further exploration of drawing in all common media, both wet and dry. Course includes object drawing, life drawing, and continued study of basic human anatomy.

Fall semester, or on sufficient demand

Prerequisite: ART 200

Laboratory: 2 x 3

Transferability: See detailed transfer information above

ART 310* Intermediate Painting **3 credits**

A further exploration of all common media, including gouache and oil and acrylic paint on various grounds. Enables the students to expand their knowledge of pictorial composition.

Fall semester, or on sufficient demand

Prerequisite: ART 210

Laboratory: 6

Transferability: See detailed transfer information above

ART 311* Exploration in Contemporary Media **3 credits**

Creative media in use today, with an examination of two-dimensional and three-dimensional forms through use of materials.

Offered on sufficient demand

Prerequisite: ART 231 or 263

Laboratory: 6

Transferability: See detailed transfer information above

ART 330* Intermediate Ceramic Techniques **2 credits**

A continuation of the exploration of ceramic techniques, materials, and design in greater depth.

Spring and fall semesters, or on sufficient demand

Prerequisite: ART 230

Lecture: ½ Laboratory: 2½

Transferability: See detailed transfer information above

ART 363 Design **3 credits**

This course is concerned with further rediscovery and development of capacities for constant lively perception through study and use of the visual structure of objects and materials, and the application of design principles applied to them.

Spring and fall semesters, or on sufficient demand

Prerequisite: ART 263

Laboratory: 5 Lecture: 1

No transfer credit

ART 400* Advanced Drawing **3 credits**

Further exploration in drawing in all common media, both wet and dry. Includes object drawing, life drawing, and continued study of basic human anatomy.

Spring semester, or on sufficient demand

Prerequisite: ART 300

Laboratory: 6

Transferability: See detailed transfer information above

ART 410* Advanced Painting **3 credits**

Further exploration of all common media, including gouache and oil and acrylic paint on various grounds. Enables students to expand their knowledge of pictorial composition.

Spring semester, or on sufficient demand

Prerequisite: ART 310

Laboratory: 6

Transferability: See detailed transfer information above

ART 411* Contemporary Media **3 credits**

Creative media in use today, with an examination of two-dimensional and three-dimensional forms through use of these materials.

Spring and fall semesters, or on sufficient demand

Prerequisite: ART 311

Laboratory: 6

ART 430* Advanced Ceramics **2 credits**

A continuation of the exploration of ceramic techniques, materials, and design in greater depth.

Spring and fall semesters, or on sufficient demand

Prerequisite: ART 330

Lecture: ½ Laboratory: 2½

Transferability: See detailed transfer information above

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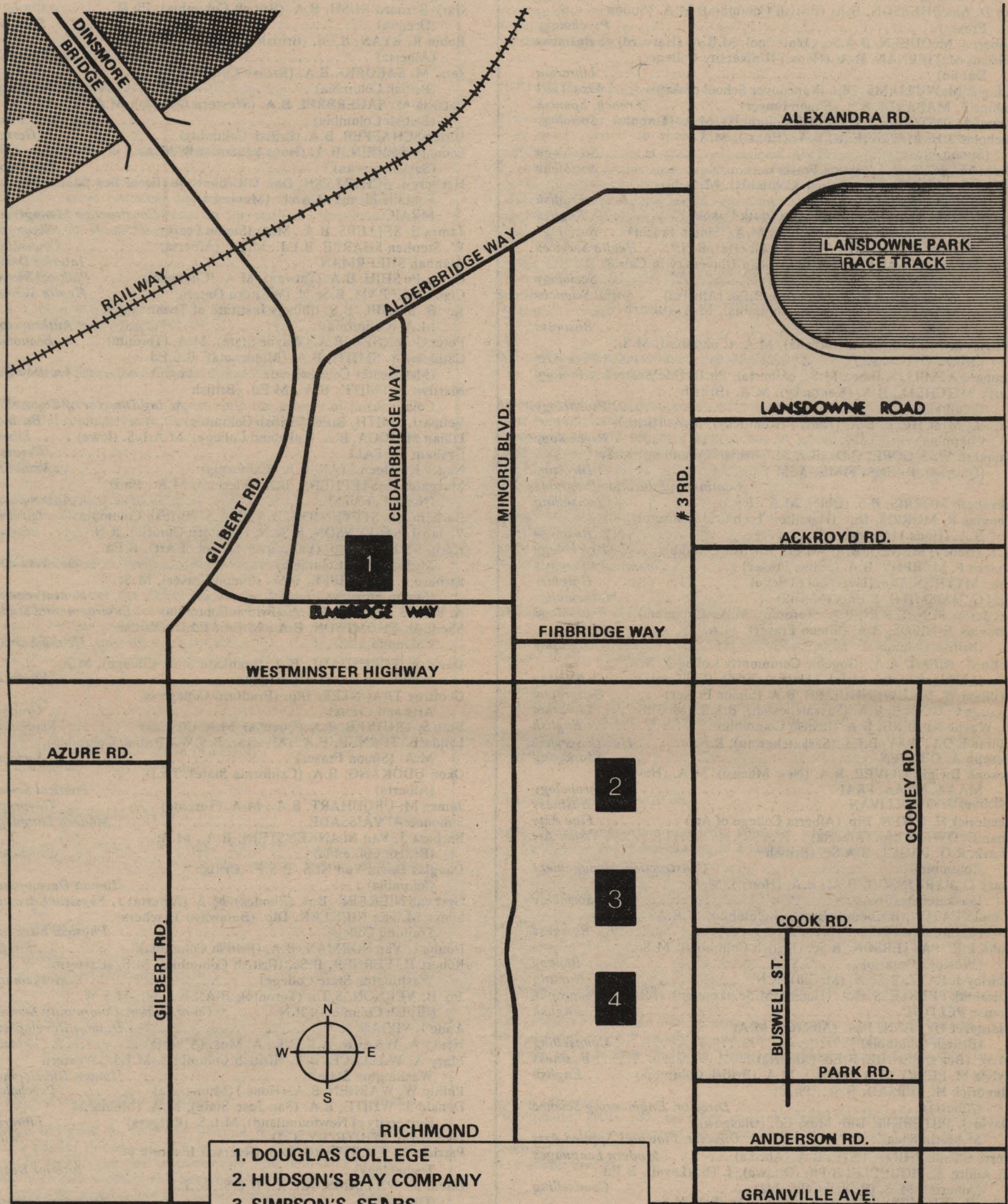
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 Columbia), P.Eng. *Principal*
 Keith WORRELL, B.Sc. (London), M.Sc. (London) *Business*
 William W. ZARCHIKOFF, B.A. (Simon Fraser) *Community Services*
 Lillian ZIMMERMAN, B.A. (Simon Fraser) *Humanities*
 Helen A. ZOELLMER *Modern Languages*

ASSOCIATE FACULTY

Doris M. PATTERSON, B.S. (Oregon State) *Counselling*

FACULTY EMERITUS

Hartley McL. HUBBS *Communications*



- 1. DOUGLAS COLLEGE
- 2. HUDSON'S BAY COMPANY
- 3. SIMPSON'S SEARS
- 4. RICHMOND SQUARE SHOPPING CENTRE

CAMPUS PARKING; SPECIAL NOTICE

Growth in student population has resulted in serious overcrowding of campus parking lots. Despite repeated appeals, many people continue to park illegally.

Fire regulations must now be rigidly enforced. Cars parked in other than designated spaces will be towed away at the owner's expense. There is no reserved parking space at any campus except for students who require the use of a wheelchair. These areas are specifically marked as such, and you are requested to respect them.

Some relief is available at New Westminster in the adjacent Canda Games Pool parking area. Those unable to legally park in parking lots are urged to find alternative legal parking space on roadsides.