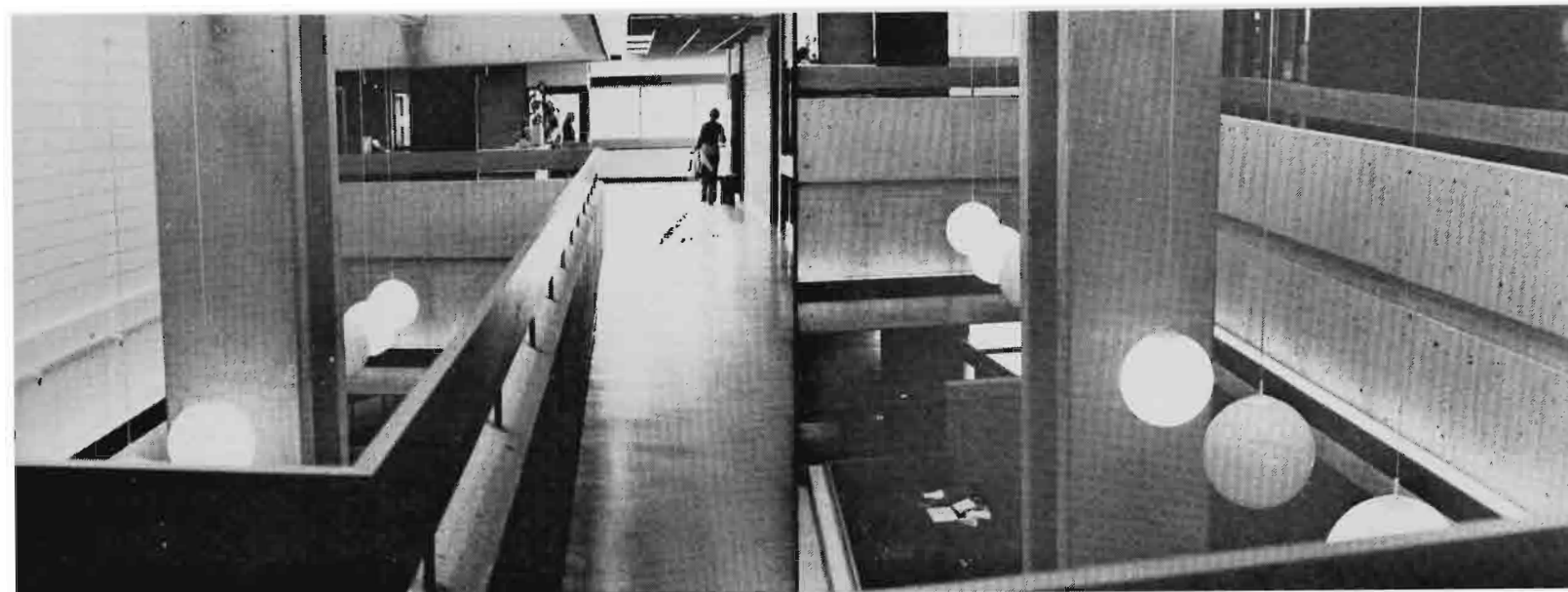


COLLEGE OF NEW CALEDONIA

COLLEGE, TECHNICAL AND VOCATIONAL INSTITUTE

**CALENDAR
1979-80**



COLLEGE CALENDAR

August 1979 - July 1980

Aug. 6	B.C. Day College closed
Aug. 13-17	Registration and interviews for first-year Forest Resource Technology students.
Aug. 15-17	Registration for second-year students, University Transfer and Diploma programs.
Aug. 20-24	Registration for returning students - first-year status, University Transfer and Diploma programs.
Aug. 27	First day of classes - Forest Resource Technology year 1.
Aug. 28-31	Registration and Orientation week for new students.
Sept. 3	Labour Day - College closed.
Sept. 4	Classes commence - University Transfer, Diploma and Certificate programs.
Oct. 8	Thanksgiving Day - College closed.
Nov. 12	Remembrance Day - College closed.
Dec. 3-7	Advance registration for students in University Transfer and Diploma programs.
Dec. 14	Last day of classes - University Transfer and Diploma programs.
Dec. 21	Last day of classes - Certificate programs
Dec. 25-26	College closed.
Jan. 1, 1980	College closed.
Jan. 2	Classes commence - Certificate programs.
Jan 2-4	Registration for University Transfer and Diploma programs.
Jan 7	Classes commence - University Transfer and remaining Diploma programs.
April 4	Good Friday College closed.
April 6	Easter Monday - College closed.
April 18	Last day of classes for University Transfer and Diploma programs.
April 21	Forest Resource Technology (first-year and second-year students) two week field trip commences.
April 25	Last day of classes - Nursing Semesters 2 and 4.
May 1	During May, students contemplating enrolling at CNC for the 80/81 Academic Year are advised to contact the Registrar's Office to clarify registration procedures and specific course or program prerequisites.
May 5	Classes commence - Nursing Intersession 1 and 2.
May 19	Victoria Day College closed.
May 31	Last day of classes and Nursing (diploma)- Intersession 1 and 2 (Begin 4 week work session after Intersession 1).
July 1	Confederation Day - College closed.

PRINCIPAL'S MESSAGE

The emergence of the community college on the Canadian educational scene is perhaps one of the most important events in the past 25 years of our national social evolution. The B.C. community college is an institution which has made possible high quality university, career, trade and vocational education in communities outside the Metropolitan areas without the prohibitive costs of setting up several distinct, smaller and more specialized institutions. The legislators in Victoria deserve credit for the foresight and courage shown in that decision of a decade ago and for their continual support to the present.

A community college, however, is above all a flexible, multi-faceted entity. The term "community" in the title is no mere passing courtesy. As a community college, CNC requires firm roots in both the needs and the aspirations of the people of its Region. CNC is an active, integral part of the life of Northern B.C. and not simply an outpost of some external influences or agencies.

To a student, CNC must remain a source of excellent adult and post-secondary education while still remaining a close contact with our Region and its concerns. For this to happen, CNC must be an institution which is both delicately and dynamically responsive to student and taxpayers' needs and must be one in which students play a particularly active part in moulding its character and general tone. The students are in a very real way as much as the original legislators the "creators" of the college.

In welcoming students to CNC for the 1979-80 college year I invite you to engage fully and actively in the total life of the college. College education brings with it not only the deep satisfactions of learning and growth but also the responsibility, with all its frustrations, for participating as full citizens in the life of the CNC community. The college needs the active involvement of enriching its activities. Each new generation of students has the opportunity and capacity to contribute to the fullness of college life. We welcome each of you, not only as a student but also a "builder" of CNC and look forward to working in partnership with you in that important task.

CHARLES McCAFFRAY
Principal

A COMPREHENSIVE COMMUNITY COLLEGE

The College of New Caledonia is one of fourteen Community Colleges in B.C. and is part of the provincial system of post-secondary education.

The College region is comprised of 4 school districts including 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George) - a total of some 117,500 square kilometers with a population in excess of 122,000 people.

The College opened on September 15, 1969 using temporary facilities located at the Prince George Senior Secondary School. In July of 1971 the existing College amalgamated with the B.C. Vocational School and the College of New Caledonia, College, Technical and Vocational Institute was created.

Since the time of its portable beginnings, the College has expanded into over a quarter of a million square feet of permanent and temporary building space situated on 12.09 hectares.

A recently completed building program provided additions of a new gymnasium, shop space, permanent library, expanded laboratory facilities, classrooms, office space and food services facility.

The College offers a full range of programs in the areas of pre-employment, pre-apprentice, apprenticeship, technologies, University Transfer and general interest. There are six Divisions including Community and Adult Basic Education, Business and Industrial Technologies, Health Sciences, Liberal Arts and Social Sciences, Natural Sciences and Trades.

CNC is currently undertaking an expansion program in all areas of curriculum development to provide the widest possible range of programs throughout the entire College region.



ADMISSIONS

ADMISSION STATUS – ACADEMIC

All students are assigned an academic status. This status is normally determined by the student's previous level of success.

- (i) Adequate Status assigned to new students who have completed all formal prerequisites for admission to the College and to continuing students with a current grade point average of 1.5 or higher.
- (ii) Conditional Status - assigned to new students who have not submitted transcripts of previous education, or who are required to complete one or two secondary school courses. Students will not normally receive an official transcript until the condition for admission has been satisfied.
- (iii) Probationary Status assigned in each of the following situations:
 - to mature students who have not completed secondary school.
 - to students whose previous academic achievement cannot be accurately assessed.
 - to students whose current grade point average is between 1.00 and 1.49. Such students may be required to enroll in a reduced course load, and if this is the second consecutive semester when the student's grade point average was between 1.00 and 1.49, the student may be required to withdraw.
 - to students admitted as "Early Admission" students.
 - to students who are not performing at a satisfactory level during a semester.

NOTE: Students assigned probationary status will be required to attend CNC 154-0 Directed Studies.

NOTE: CNC students with a grade point average of 0.99 or lower will not be permitted to continue in the following semester.

- (iv) Audit Status assigned to students taking a course for interest only. Audit students do not receive grades or credit for courses taken. Priority for admission is given to 'credit' students.

ADMISSION STATUS – GEOGRAPHIC

Residents of School Districts 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George) are classified as in-region students and are normally given priority for admission over other applicants.

To qualify as an in-region resident, students must satisfy one of the following requirements:

- a) Be 19 years of age or over and have resided within the boundaries of one of the above school districts for at least 3 months prior to the commencement of the program to which admission is sought, or
- b) Be under 19 years of age at the commencement of the program to which admission is sought and a dependent of parents or legal guardians who reside within the boundaries of the above school districts, or
- c) Be the owner of real property within the boundaries of the above school districts.

Students who satisfy the residence requirements for any other B.C. College region are classified as other region students.

Students not able to qualify as in-region or other region students as defined above are classified as out-of-region students and may be required to pay higher tuition fees.

The responsibility for registering as an in-region, other region, or out-of-region student rests with the applicant. A student who falsifies resident status may be required to withdraw from the College.

ADVANCE STANDING

Students who have completed post-secondary courses in other institutions may be given credit for these courses at CNC. Such

students who plan to transfer to another institution following the completion of a program at CNC are advised to request an equivalent evaluation of these courses from this other institution prior to enrolling at CNC. Following this procedure will avoid complications at the time of transfer. Students with questions on advance standing should consult with a CNC Counsellor well before the beginning of the semester in which they will be registering.

ADMISSION REQUIREMENTS

Students eligible for admission are those who satisfy specific course or program prerequisites. Where Grade 12 is listed as a requirement for admission, students may be admitted who have graduated from a B.C. Secondary school or equivalent or

- a) are deficient in no more than two courses for B.C. Secondary School graduation (which may be required to be completed while attending College), or
- b) are over 19 years of age on the first day of the semester for which admission is sought and have been out of the regular school system for at least one year and whose maturity and experience demonstrate they will be able to succeed in College courses, or
- c) will complete Grade 11 in the year in which they are applying for admission, and wish to be considered as "Early Admission" candidates. Admission in this category will only be granted to students with an outstanding record.

STUDENTS FROM OTHER COUNTRIES

Persons from outside Canada must provide proof of landed immigrant status. Applicants from countries where English is not the common language will be required to provide proof of a knowledge of English sufficient to pursue a program of study at the College prior to being admitted.

Students attending C.N.C. must be Canadian citizens or landed immigrant.

ENGLISH PLACEMENT TEST

All students making application to CNC diploma programs must present English Placement Test scores to the Registrar's Office prior to registration. If students have not written the English Placement Test they should contact the Registrar's Office for the information regarding this exam.

The English Placement Test is designed to establish in which College English course a student should enroll; the test is not an entrance examination.

ADMISSION PROCEDURES

NEW STUDENTS:

- (i) Write to the Registrar's Office for an application form. Complete and return the application attaching a copy of your Secondary School or post-secondary transcript.

NOTE: All applicants are urged to apply for admission as early as possible. Secondary School students may complete a statement of Secondary School subjects. This statement will be accepted in lieu of a transcript and students will be admitted on a conditional basis. The conditional status will be removed when the College receives the official transcript of secondary school grades which should be forwarded as soon as possible.

- (ii) The completed application form, and transcript should be submitted to the College at least two months before the beginning of the semester to which admission is sought. Transcripts must be submitted before admission can be granted.
- (iii) Applications will be processed and students will be notified by mail of their admission to the College. Detailed registration information including the date and time for registration will be included with the notice of admission.

FORMER STUDENTS RETURNING TO COLLEGE:

- (i) At least one month prior to the beginning of the semester in which you wish to enroll contact the Registrar and request a Notice of Admission and Permission to Register.
- (ii) Consult a Counsellor about appropriate courses. Detailed registration information will be sent to you with the notice of admission.

REGISTRATION

REGISTRATION

Students should register at the time indicated on their Notice of Admission.

Students will not be admitted to the registration area at times earlier than those indicated on their Notice of Admission. Registration is not complete until all fees have been paid.

LATE REGISTRATION

Students who are unable to register at the specified time may register up to two weeks after the first day of classes.

CANADA EMPLOYMENT AND IMMIGRATION COMMISSION SPONSORSHIP

Canada Employment and Immigration Commission purchases spaces in some programs. Before applying for admission as a fee paying student, you may wish to check with your local CEIC Office to determine your eligibility for sponsorship by CEIC.

For information on those programs which are eligible for sponsorship by CEIC, call the CNC Counselling Centre or your local CEIC Office.

SPONSORED STUDENTS

Students whose fees will be paid by sponsoring agencies may be required to present a letter to this effect from the agency concerned at the time of registration.





GENERAL INFORMATION

IDENTIFICATION CARDS

Student identification cards are provided following full payment of fees. In the event of the loss of an identification card a duplicate may be obtained from the Registrar's Office (main floor, Vanderhoof Building). Fee: \$1.00.

CHANGE OF NAME OR ADDRESS

It is the responsibility of the student to advise the Registrar's Office (main floor, Vanderhoof Building) of any change of name, address, or telephone number. Unless the student requests otherwise all College correspondence will be sent to the student's permanent home address.

CHANGE OF COURSE OR SECTION

Students contemplating changing courses should consult with a counsellor to avoid enrolling in courses that do not satisfy the requirements for the program they are pursuing. All course and section changes require College approval and will only be permitted during the periods specified in the College Calendar.

WITHDRAWAL

Students may withdraw from a course or program within five weeks of commencement of the course or program without penalty and receive a "W" grade. After that date students may withdraw and receive a "W" grade if they are passing the course at the time of withdrawal. Students withdrawing after five weeks of the commencement of a course or program and who are failing at the time of withdrawal will receive an "F" (Fail) grade. Any dispute arising from this grade assignment will be treated as a Grade Appeal.

To withdraw from a course students must complete the withdrawal form available at the Registrar's office.

SUSPENSION

Students who are performing at an unsatisfactory level will have their performance reviewed by a committee which includes the instructor(s), the Director of the division, and the Dean of Student Services.

If it is the opinion of this committee that the student is not meeting the requirements of the course or program the student will be placed on probation for a specified probationary period. If at the end of this period the committee still considers the student's performance to be unsatisfactory the student will be suspended.

STUDENT GRIEVANCE PROCEDURE

The College has a student Grievance Procedure covering grade appeals and complaints about the ethical conduct and competence of College faculty, staff and administration. Copies of the College's statement on student Grievance Procedure may be obtained from the Dean of Student Services.

SAFETY REGULATIONS

WCB safety regulations must be adhered to as applicable to each particular program. Special requirements for the student is noted in each program.

TRANSCRIPTS AND GRADES

EVALUATION AND GRADING

To ensure maximum involvement of the student in the learning process, CNC follows a policy of continuous evaluation in determining the grades. There is no single final examination.

GRADES

Alphabetic symbols are used to report academic success. Each grade is assigned a numerical weight or grade point, that is used to determine the grade point average.

LETTER GRADE	GRADE POINTS
A Outstanding achievement	4.0
B+	3.5
B Good achievement	3.0
C+	2.5
C Satisfactory achievement. The lowest standing on which to base further study in a discipline.	
P Standing below that required for further study in a discipline. The student is granted college credit for the course but cannot be granted credit for the course in another institution. Permission is required to continue in a sequential course.	1.0
F Fail. No credit granted.	0
I Incomplete. Grade and credit withheld until all requirements of the course have been met. Will require completion of all required work within 4 weeks of the last day of classes or an "F" grade will be assigned.	*
S Credit granted. Course requirements have been satisfactorily completed. This grade is assigned where a course is successfully challenged. NOTE: Some institutions will not accept for transfer those courses that have been awarded College credit on the basis of challenge credit.	*
T Advance Standing. Credit granted on the basis of work completed elsewhere.	*
W A "W" grade will be assigned to those students completing the Withdrawal procedure outlined, and within the time limits specified in the College Calendar.	*
X Audit Status. No credit granted.	*

Not included in the calculation of the grade point average.

GRADE POINT AVERAGE (G.P.A.)

Grade point averages are reported on each Statement of Grades. The transcript includes the cumulative grade point average.

The G.P.A. is the sum of the grade points earned multiplied by the number of credits and divided by the number of credit hours taken.

Example:

Course	Credit Hours	Letter Grade	Grade Points	Grade Points x Credit Hours
1	3	A	4	12
2	3	B	3	9
3	4	C	2	8
4	2	P	1	2
5	3	F	0	0
	15			31

G.P.A. equals $31/15$ equals 2.07.

STATEMENT OF GRADES

At the end of each semester or at the end of a program a Statement of Grades is mailed to each student enrolled in a course for credit.

All obligations relating to fees, library, books or fines, rentals, loans, etc., must be met before any Statement of Grades, transcript, certificate or diploma will be released.

REPEATING A COURSE

Courses may be repeated for the purpose of raising grades. Credit will be granted for the higher grade achieved, but both grades will be recorded on the student's permanent record. Students repeating courses must advise the Registrar's Office to ensure only the highest grade point is included in the calculation of their G.P.A. Other institutions to which a student might transfer may re-calculate the G.P.A. to include both grades obtained.

CREDIT HOURS

One credit hour usually represents one hour per week of classroom lectures. Most courses offered are three credit courses. As such they require three lecture hours per week, together with required study in laboratories, seminars, or tutorials. A full-time student is normally enrolled in 15 or more credit hours of work each semester.

TRANSCRIPTS

The Official Transcript includes a record of the student's grades and is imprinted with the College Seal and signed by the Registrar. One transcript is issued to students upon request, free of charge.

Additional copies may be obtained from the Registrar's Office. Fee: \$5.00 for 3 copies. The College will forward transcripts to other institutions or potential employers, etc., only with the specific permission of the student involved.

TRANSFER TO OTHER INSTITUTIONS

Students contemplating transfer to another institution should consult the Calendar of the institution to which they intend to transfer and ensure that their program of studies at CNC will allow for such transfer.

CNC Counsellors will assist students to select courses that will permit easy transfer to other institutions, but the final responsibility for a selection of courses remains with the student.

COLLEGE DIPLOMA

A CNC Diploma is awarded to students who complete either:

The requirements of a College Diploma program of at least four semesters with a pass grade in each specified course and with a cumulative grade point average of 2.0 or higher.

OR:

A General Studies program of at least four semesters and 60 semester hours of credit with a cumulative grade point average of 2.0 or higher.

OR:

The requirements of a University Transfer program of at least 60 credit hours of work that will permit transfer into third year university in a recognized degree program, and have a cumulative grade point average of 2.0 or higher.

NOTE:

Students who enroll in a CNC Diploma program with advance credit for courses taken elsewhere must complete a minimum of 15 credit hours of work at CNC, to qualify for a CNC Diploma.

Students who expect to complete the requirements for a Certificate or Diploma are required to complete an application for graduation form available from the Registrar's Office. Completed forms should be returned to the Registrar's Office by November 16 for students who expect to graduate at the end of the Fall Semester and by April 1 for those who expect to graduate at the end of the Spring Semester.

COLLEGE CERTIFICATE

A CNC Certificate is awarded to students who satisfactorily complete a College program of at least 16 weeks duration.

FEES AND EXPENSES

FEES

For Diploma and University Transfer (2 year) Programs

1. Full-time Students (Students enrolled in 15 or more credit hours)
 - a) In-region and other region students
Tuition: \$150 per semester
I.D. Card: \$1.00 per year
*Lab Fees: \$15 per lab (maximum \$30)
Student Assn. Fees: \$14 per semester
 - b) Out-of-Province Students
Tuition: \$200 per semester
I.D. Card: \$1 per year
*Lab Fees: \$15 per lab (maximum \$30)
Student Assoc. Fees: \$14 per semester

2. Part-time Students (Students enrolled in 9 credit hours or fewer)
 - a) In-region and other region students
Tuition: \$10 per credit hour
I.D. Card: \$1 per year
*Lab Fees: \$15 per lab (maximum \$30)
Student Assoc. Fees: \$2.50 per course
 - b) Out-of-Province Students
Tuition: \$14 per credit hour
I.D. Card: \$1 per year
*Lab Fees: \$15 per lab (maximum \$30)
Student Assoc. Fees: \$2.50 per course

*Courses with lab fees are identified in the course description by the letter L following the number in parenthesis.

NOTE: No fees will be charged to Senior Citizens. Audit students will be charged full fees as outlined above.

PAYMENT OF FEES

Tuition, lab fees and Student Assoc. fees are collected each semester at the time of registration. Students who are unable to pay their fees at the time of registration and who are unable to obtain financial assistance from the Financial Aid Officer will not be permitted to register.

MISCELLANEOUS FEES

Grade Appeal	\$5
Duplicate Transcript	5
Duplicate Diploma	5
Reinstatement Fee	20
I.D. Card Duplicate	1
Locker Rental	2
Duplicate Permission to Register	1
Duplicate Grade Statement	1
Duplicate income tax receipt	1

NOTE: Some courses may require an assessment for supplies and activities required as part of the course.

ESTIMATED EXPENSES

Full-time students should be aware of the expenses they will incur each semester. Costs can be estimated as follows:

Tuition Fees	\$150
Lab Fees (where applicable) (maximum \$30)	15
Books and supplies	100
Local transportation	75
Miscellaneous	225
Student Association	14
	\$579

HOUSING AND MAINTENANCE EXPENSES

The average cost for room and board in Prince George is \$150 per month.

REFUNDS

A complete refund of fees is made only when a course or program is cancelled.

SCALE OF WITHDRAWAL REFUNDS:

- a) A 80% refund of fees will be made if the student withdraws within two weeks after commencement of classes or prior to completion of 15% of the course in courses/programs less than 4 months in length.
- b) A 50% refund of fees will be made if the student withdraws within the third or fourth week after commencement of classes or prior to completion of 25% of the course in courses/programs less than 4 months in length.
- c) No refund will be made if the student withdraws more than four weeks after commencement of classes, or after 25% of the course has been completed in courses/programs less than 4 months in length.

FINANCIAL ASSISTANCE

SCHOLARSHIPS, BURSARIES AND AWARDS

A brochure containing full information on the various sources of financial assistance available to students may be obtained from the Financial Aid Office. In addition to the scholarships, bursaries, and awards donated by various individuals and organizations, the following financial assistance is available to students:

BRITISH COLUMBIA STUDENT FINANCIAL ASSISTANCE PROGRAM

CANADA STUDENT LOAN – PROVINCIAL GRANT

Students requiring financial assistance should obtain and submit the British Columbia Student Financial Assistance application to the Financial Aid Officer at the post-secondary institution they plan to attend, if studying in British Columbia. If funds are required by the beginning of the fall term, applications should be submitted by July 2nd. Applications submitted four weeks after the beginning of classes will be subject to a prorated assessment. Final deadline for submission of applications is 8 weeks prior to the last day of classes.

A detailed booklet describing the program in full is available from the Financial Aid Officer at your institution. The following describes the basic elements of the program.

1. PROGRAM

A comprehensive program of assistance for post-secondary students has been introduced by the Federal Government in conjunction with the B.C. Provincial Government to ensure that students are not denied the opportunity to reach their educational objectives due to financial barriers. The purpose of this program is to assist students whose resources are insufficient to provide for the cost of full-time studies at the post-secondary level of education. Funds under the program are therefore granted only where the financial resources available to students from parents, summer work, or other sources are insufficient to meet their estimated educational costs.

The funds awarded under this program will normally be disbursed through a combination of funds drawn from the Provincial Grant Fund and the Federal Canada Student Loan Plan.

2. ELIGIBILITY

Funds will be provided to eligible students undertaking a minimum of 60 per cent of a full program of study leading to a certificate, diploma, or first degree. The amount of assistance awarded will be based on Assessed Need as determined by the Provincial Authority.

3. CANADA STUDENT LOAN

Interest on your loan is paid by the Federal Government as long as you are registered as a full-time student and for six months thereafter. You should discuss the interest rates with your lending institution (bank, credit union, etc.) since rates vary from year to year. Students who have received Canada Student Loans, but who do not negotiate one for their immediate period of study, should submit a schedule II to their lending institution in order to retain interest free status. A copy of this form may be obtained from your lending institution.

SPECIAL ASSISTANCE PROGRAM

This program is to provide financial assistance to students who do not qualify under the regular British Columbia Student Financial Assistance Program. This program is not intended to provide funds to cover normal maintenance but rather to cover expenses which are of a direct result of the applicant taking a course of studies, such as tuition and books. The maximum assistance available will be \$250 per educational year (\$125 per semester) and will be in the form of a grant.

Students enrolled in the following courses are eligible to apply:

- A Less than 60% of a full-time program of credit courses leading to a certificate, diploma or first degree;
- B Technical/Vocational courses at public post-secondary institutions of less than 26 weeks in duration;
- C B.T.S.D.

Further information and application forms may be obtained from the Financial Aid Officer.

B.C. YOUTH FOUNDATION LOANS

Interest free loans are made by the B.C. Youth Foundation to bona-fide B.C. young people to a maximum age of thirty. Loans may be for fees, books, and/or monthly allowance to assist with living expenses where the applicant is not living at home. Students who are unable to qualify for a Canada Student Loan may apply for a loan from the B.C. Youth Foundation. A suitable adult guarantor is required.

Further information may be obtained from the Financial Aid Officer.

FINANCIAL ASSISTANCE FOR STUDENTS IN HEALTH CARE PROGRAMS

The Ministry of Health has established a bursary program to assist students enrolled in health care programs such as Medical Laboratory and Nursing Programs. The bursary totals \$150 per month for every month the student is in training. Students are not eligible for the bursary, however, if they are already sponsored by Canada Employment and Immigration Commission or if they are being paid as an employee of a hospital during a practicum spent in that hospital.

In order to receive this bursary, students at CNC must obtain the Student Subsidy Verification form at the Registrar's Office at the end of each month, have it signed by their instructor, and return it to the Registrar's Office.

TRAINING ALLOWANCES FOR THE PHYSICALLY, PSYCHOLOGICALLY, OR SOCIALLY HANDICAPPED

Financial assistance is available through the Division for Aid to Handicapped in the Ministry of Health. The assistance is made available under the Vocational Rehabilitation of Disabled Persons Act to any individual who is incapable of pursuing regularly an occupation which meets his basic economic needs.

Assistance is not limited to people in vocational training only; academic and technological course work is also endorsed when there is firm evidence that this level of training is required to assist the individual to become employable.

It should be noted that such assistance must be part of a rehabilitation plan approved by the Division. Please address enquiries to:

Director,
Division of Aid to Handicapped
Box 4020
Postal Station "D"
Vancouver, B.C.

CANADA EMPLOYMENT AND IMMIGRATION COMMISSION (CANADA MANPOWER)

CEIC will sponsor students in certain approved Vocational programs which lead directly to employment. To be eligible, a person must be at least 17 years of age and have been out of school for at least one year. If approved for training, CEIC will pay tuition fees and a maintenance allowance. Apply at your local CEIC Office.

CNC SUBSIDY

The College Council has established an accommodation subsidy for in-region students whose permanent residence is more than 30 km from the College and who are enrolled in 9 or more credit hours of College work, or a specified full-time program of at least 16 weeks duration. Students receiving assistance from a government agency such as Canada Employment and Immigration Commission, Ministry of Labour, or Department of Indian Affairs are not eligible for the CNC subsidy.

The subsidy is paid to qualifying students at the end of each month they are in regular attendance at the following rates:

Students enrolled in 9 credit hours - \$50 per month.

Students enrolled in more than 9 credit hours and in full-time Vocational programs - \$75 per month.

To receive the CNC Subsidy, a student must:

- a) Apply to the Financial Aid Officer for the CNC Subsidy.
- b) Prove his permanent residence is in-region and more than 30km from the College if requested to do so.
- c) Be formally enrolled in the College.
- d) Regularly attend classes.
- e) Obtain the Student Subsidy Verification form from the Registrar's Office at the end of each month, have it signed by the instructor(s) and return it to the Registrar's Office in order to receive the subsidy cheque.

ROTARY EMERGENCY LOAN FUND

The Prince George Rotary Club has donated a sum of money from which students may be granted emergency short term loans of up to \$50.00.

Applications will only be accepted from students who have exhausted all other avenues of financial assistance, but require a small loan for emergency purposes and can give specific assurance that the loan will be repaid within the time specified on the application.

Application should be made at the Counselling Centre or Financial Aid Office.

SERVICES AVAILABLE TO STUDENTS

ATHLETICS

CNC is a member of the Totem Conference Athletic Association which is the governing body for College athletics in B.C. CNC competes in a league schedule in Men's and Women's Basketball playing Vancouver Community College, B.C.I.T., Malaspina, Douglas, Cariboo, Selkirk, Okanagan, Capilano, and Royal Roads. The CNC Volleyball teams compete in tournament play with Selkirk College, Okanagan College, and Cariboo College. The CNC Soccer team competes in league play with Cariboo College, Okanagan College, and Selkirk College. The Men's Mixed, and Ladies' Curling teams compete in the Totem Conference Championship Bonspiel with representatives from all B.C. Colleges.

The athletic teams for the season 1979-1980 will be raising funds for travel to play exhibition matches in Hawaii in March. Other competitions include tournaments in Grande Prairie and Edmonton.

The CNC teams over the last few years have proved to be very competitive in the strong B.C. Conference with championship representatives from CNC going to the 4-West Championships in the sports of Volleyball and Curling. The 4-West winners proceed to the Canadian Colleges Athletic Association Championships, in which CNC is a member.

The team name is Carriers and the team colors are blue and orange. All students are encouraged to participate either as representative players or supporters for our teams.

BOOKSTORE

A bookstore is located in Smithers Lab. A. In addition to supplying text books the store also sells sundry supplies and miscellaneous items. A bulletin board in the bookstore is provided for notices of second hand books for sale.

Bookstore hours:

Monday through Thursday	8 a.m. to 7:30 p.m.
Friday	8 a.m. to 5 p.m.

During registration bookstore hours are:

Monday through Thursday	8 a.m. to 4 p.m. 5 p.m. to 9 p.m.
Friday	8 a.m. to 5 p.m.

CAFETERIA

A recently opened Food Services facility is located on Level One in the new Vanderhoof Wing.

Cafeteria hours:

Monday through Thursday	8 a.m. to 9 p.m.
Friday	8 a.m. to 3 p.m.

CNC TODAY

CNC Today is a weekly CNC bulletin and serves as a newsletter for the total College community. Students, faculty and staff are invited to use CNC Today for notices of meetings, coming events, general news, and any other items of interest they wish to have published. CNC Today is normally published every Wednesday throughout the school year and the deadline for submission is 4:30 p.m. Monday at the Registrar's Office.

COUNSELLING

The Counselling Centre is located on Level Two of the Vanderhoof Building. Three counsellors are available to assist students with personal, academic, or vocational concerns. A wide variety of material is available in the centre to assist in career selection, or selection of suitable institutions for specific programs. Individual tests may be administered if the counsellor and student agree they will be of value.

Counselling Centre hours:

Monday to Friday 8:30 a.m. to 4:30 p.m.

HEALTH SERVICES

The Health Service facility provides professional care for students who do not have a regular physician in Prince George. A medical doctor operates the Health Services Centre and office hours are on a regular basis. We recommend that students planning to enter CNC have the following:

- Medical coverage (more information on this is available at Student Services).
- A recent chest X-ray and hemoglobin level test.
- A complete medical record if you suffer from any chronic condition (diabetes, thyroid disorder, etc.).

Students wishing an appointment should contact the Registrar's Office, Vanderhoof Building.

HOUSING LISTS

Prior to the Fall and Spring semesters, the Registrar's Office compiles a list of private residences which are available for student accommodation. This list is made available to all students through the Registrar's Office.

INFORMATION

For information on any aspect of the College inquire at the Registrar's Office, main floor, Vanderhoof Building. If they don't have the answer they can direct you to someone who does.

PLACEMENT

CNC annually prepares a brochure listing graduates of each program and invites potential employers of these graduates to review the brochures and interview on campus for permanent positions.

The Financial Aid Officer also maintains an up to date list of part-time jobs available to students. Jobs are posted on the bulletin board at the Registrar's Office, main floor, Vanderhoof Building.



RECREATION

During 1976-77, CNC opened its new gymnasium containing a main gym area with two basketball, three volleyball, and eight badminton courts as well as a climbing wall for mountain climbing training techniques. The gym complex also contains two racquetball-handball courts and an ancillary gym which is used for weight-training, archery and table-tennis.

There are many recreational activities available for the student.

Open recreational time is available for:

- Badminton
- Floor Hockey
- Basketball
- Volleyball
- Table-Tennis
- Handball or Racquetball
- Gymnastics
- Weight and Circuit Training

Additional equipment and games that are available are:

- Cross-Country Skis (rental basis)
- Snowshoes (rental basis)
- Chess and Checkers
- Cards

Structured intra-mural activities include:

- Floor Hockey (competitive and fun leagues)
- Curling
- Racquetball
- Volleyball
- Table-Tennis
- Badminton
- Paper Airplane Race
- Bowling
- Tennis
- Century Club (jogging, cycling, skating)
- Basketball
- Skiing
- Chess
- Snooker
- Turkey Shoots

Students interested in assisting with any recreational activities (volleyball nights, racquetball tournaments) or interested in starting any other recreational activity are invited to contact the Athletic Recreation Coordinator.

Lockers are available for \$2.00 per year, with an additional cost of \$8.00 per semester for towel service, (towel service is optional). Day use lockers are available free of charge, and gym users are asked to lock all valuables. Users of day lockers must provide their own locks.

CNC jackets, T-shirts, and other sports items are sold at the equipment check-out counter.

Equipment check-out hours:

Monday to Thursday:	8:30 a.m. - 10:00 p.m.
Friday:	8:30 a.m. - 4:00 p.m.
Saturday and Sunday:	9:00 a.m. - 4:30 p.m.

REGISTRAR'S OFFICE

The Registrar's Office is responsible for admissions, registration, student records, changes to records, timetable, withdrawal, etc. Any inquiries regarding these procedures should be directed to the Registrar's Office.

RESOURCE CENTRE

The Library and Audio-Visual Services are located on Level Two of the Vanderhoof Building (2-302). The Library contains an expanding collection of resources including books, periodicals, newspapers, federal and provincial government documents, pamphlets and audio-visual materials. Assistance in finding information and using library resources is available from the Reader Services Librarian at the Information Desk.

There are carrels for individual study, small group study areas, informal lounge reading corners, and a seminar room for group use. A coin-operated photocopy machine is also available.

A variety of audio-visual equipment for viewing and listening is housed in A/V carrels located near the Circulation Desk. This equipment includes videotape players, stereo audio cassettes and record players, slide and filmstrip projectors, 8mm and 16mm film projectors, and calculators. Similar equipment is available for use outside the Library. The darkroom and production equipment such as 35mm,



video and super 8mm movie cameras are available for use with student projects.

During the Fall and Spring semesters, the Library hours are as follows:

Monday through Thursday	8 a.m. to 10:30 p.m.
Friday	8 a.m. to 5 p.m.
Saturday	12 noon to 5 p.m.
Sunday	12 noon to 5 p.m.

Summer hours are:

Monday through Friday	8:30 a.m. to 5 p.m.
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STUDENT ASSOCIATION

The CNC Student Association represents all students enrolled at CNC and has an executive elected from the total student body.

Student Association fees are used to fund various social and recreational events as well as to provide funding for specific student groups.

All CNC students are encouraged to attend the Student Association meetings. Student groups who wish to receive Student Association funding are asked to submit budgets and proposals to the Student Association.

The Student Association executive is elected in the spring of the year and commences office in September.

STUDY SKILLS

The Study Skills Centre is located on Level Two of the Vanderhoof Building. Professional help is available to assist the student through individual programs. Students encountering difficulties with reading, studying, taking notes, or writing papers are invited to drop in. Throughout the year the Study Skills Centre offers courses which cover the following topics:

Study Management

- Scheduling
- Personal aspects
- Task orientation
- Study environment

Major Course Related Skills

- Study Reading
- Taking notes from books
- Taking notes from lectures
- Writing classroom tests

Auxiliary Course Skills

- Library research
- Vocabulary development and spelling
- Writing skill, grammar, and mechanics

Attitudes, Interests, and Habits

- Reading habits and interest
- Concentration and memory
- School attitudes and motivation

These courses are available to the community on a standard fee schedule and will be offered to CNC students at no extra cost.

The schedule of these Study Skills programs will be published well in advance in CNC Today.

Study Skills Centre hours:

Monday to Friday	8:30 a.m. to 4:30 p.m.
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COMMUNITY AND ADULT BASIC EDUCATION SERVICES (CABES)

CABES is a flexible arm of the College responsible for Adult Basic Education Programs and programming throughout the College region. Course offerings vary from General Interest (non-credit), Technical (credit), Vocational (credit), and Academic (College Credit/University Transfer). Special workshops, seminars, and short courses can also be arranged if interest and numbers warrant. Enquiries or suggestions for courses are invited from prospective students and instructors, organized groups, and all interested members of the public.

Enquiries and suggestions should be directed to:

Dean, Community and Adult Basic Education
Services
The College of New Caledonia
3330 22nd Avenue
Prince George, B.C.
V2N 1P8
562-2131

OR
Area Director
College of New Caledonia
Community and Adult Basic Education Services
Box 129
Vanderhoof, B.C.
V0J 3A0
567-2284

OR
Area Director
College of New Caledonia
Community and Adult Basic Education Services
Box 5000
Burns Lake, B.C.
V0J 1E0
692-3175

CABES students enrolling in sequential courses (e.g. Engl 201-3 and Engl 202-3) are required to pay tuition fees for both semesters at the time of initial registration. Refunds where applicable will be based on the total fee paid.

PROGRAMS

ADULT BASIC EDUCATION PROGRAMS

These College programs are designed for persons who have not completed a secondary school education or who do not have the basic skills necessary to compete in the labour force. Successful completion of the programs will enable students to enroll in specific College programs or actively seek employment. All of the following components of the ABE program are offered on CNC's Prince George campus and many are offered at various centres in the College region through the College's Community Adult Basic Education Services Division.

1. High School completion or College preparatory — academic preparation for university transfer, general education, technologies, or other career programs.
2. Basic Training for Skill Development now called Canada Employment and Immigration Commission Training Program designed to prepare students for vocational, trades, and industrial training courses.
3. English as a Second Language — a course of study for those learning English as a second language.
4. Basic Job Readiness Training — a Canada Employment and Immigration Commission Training Program designed to provide the basic skills necessary to compete in the labour force. The Basic Job Readiness Training Program includes Basic Employment Skills Training, Employment Orientation for Women, Occupational Orientation, Pre-Technical Training, Work Assessment Training, and Work Adjustment Training.

The academic upgrading program has three main areas of study: Communications (English), Applied Mathematics, and Science.

Level 1 (Grades 1-5)	English 010 Mathematics 010
Level 2 (Grades 6-8)	English 020 Mathematics 020
Level 3 (Grades 9-10)	English 030 Mathematics 030 Science 030
Level 4 (Grades 11-12)	English 040 Mathematics 040 any two of: Biology 040 Chemistry 040 Physics 040 English 041 Science 041

ADMISSION REQUIREMENTS: Applicants must have a functional ability in English reading or writing except those who are applying for Basic Literacy (010) or English as a Second Language (009). There are no such requirements for those enrolled in Basic Job Readiness Training Programs. Applicants must have been away from the public school system for a period of at least one year and must be capable of concentrated, independent study.

Placement Testing: Students entering the ABE program may be required to write placement tests so that they may be placed at the appropriate level of study.

COMMENCEMENT DATES: Monthly as space permits for most courses.

LENGTH OF COURSES: Usually varies to suit individual needs, but generally the 010 and 020 courses require up to 5 months, the 030 up to 4 months and the 040 courses up to 5 months. BJRT courses require from 4 weeks to 5 months depending on individual course requirements.

COLLEGE CREDIT: These programs do not carry credit towards a college diploma.

NOTE: Students who are lacking certain prerequisites for CNC Vocational, Technical, or University Transfer programs may enroll in the ABE academic upgrading programs on a full or part-time basis. Advancement in the courses is dependent on the ability of the individual.

APPRENTICESHIP AND PRE-APPRENTICESHIP TRAINING

The College of New Caledonia, in conjunction with the Ministry of Labour, conducts courses in Pre-Apprenticeship and Apprenticeship training.

Pre-Apprenticeship courses include:

- Automotive Mechanical Repair (Jan. to June)
- Heavy Duty Mechanics
- Millwright

Apprenticeship training presently offered are:

- Automotive Mechanical Repair (Sept. to Dec.)
- Electrical
- Millwright

Persons interested in any of these trades are advised to contact the Ministry of Labour, Apprenticeship and Industrial Training Branch, Room 222, 1488 4th Avenue, Prince George, B.C. V2L 4Y2. Telephone 562-8131, local 227/228.

ASSOCIATE OF ARTS DIPLOMA

Completion of 60 semester hours of Arts and Science course credit leads to the Associate of Arts Diploma.

For specific courses see University Transfer courses, page 20. In addition, any course offered in any discipline listed under the University Transfer section counts for credit towards the Associate of Arts Diploma.

ADMISSION REQUIREMENTS: Grade 12 graduation, GED or BTSD IV.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September or January.

FEE: See page 5.

AUTOMOTIVE MECHANICAL REPAIR

Certificate

Automotive Mechanical Repair is a Pre-Apprenticeship program in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Ministry of Labour.

The program is intended to prepare young people for employment as apprentices in the Automotive Mechanical Repair Trade.

The employment situation is normally indoors and may be anywhere from a small repair shop or service station doing general mechanical repairs, to the complex service department of a large automobile or trade dealership.

In many cases the work involves direct contact with the public where courtesy, cooperation and at times the ability to accept criticism is important.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Minimum Grade 10 or a suitable level to meet the requirements of this program. Applicants must be 16 years of age or older and be in good health; non-allergenic to solvents and lubricants; have a good mechanical aptitude.

LENGTH OF PROGRAM: 5½ months.

COMMENCEMENT DATE: January

COLLEGE CREDIT: 22 Semester hours.

FEES: Tuition: Paid by Ministry of Labour
Student Association - \$12.50
Registration fee - \$1.00

THE PROGRAM: General shop practice
Automotive fundamentals
Engines - air and liquid cooled
Basic test equipment
Electrical systems
Running gear, clutches
Transmissions, anti-spin and conventional rear axles
Steering systems and braking systems
Emission control systems
Safety education

BUSINESS ADMINISTRATION

Diploma

Two year Diploma Programs in Electronic Data Processing, Accounting and Business Administration.

These three programs will prepare students for entry into management trainee and specialist positions in a wide range of businesses and institutions. Government, retailing and wholesaling, banking and finance, manufacturing, and service businesses represent some of the major career avenues in which the graduate will be able to seek employment. Job opportunities are excellent, and a number of employers recruit on campus.

One of the most important criteria applied in selecting courses for the two year programs is their relevance to the student seeking access to a specialist and/or management career in the business field. Advisory committees made up of community people from a wide variety of companies and professions are constantly reviewing the programs and making recommendations as the field changes, to ensure that CNC programs keep in touch with the latest developments and community needs in business education.

The orientation in the program is thus on a combination of technical and management skills plus technical and management theory which the student can apply to his or her business career. Throughout the program, considerable attention is paid to bringing the student into contact with the business world through such activities as field projects, guest lectures, field trips and through contact in the classroom with students with experience in the business community.

"Three professional accounting bodies recognize CNC courses in accounting, data processing, and business administration as being equivalent to many courses in their own programs of study. These exemptions are granted by the Institute of Chartered Accountants, the Society of Management Accountants and the Certified General Accountants Association.

Any student considering a career in the accounting profession should discuss his or her plans with an instructor so that he or she can be provided with complete details on these programs."

While the program can be completed in four semesters, it is also worthwhile to consider spreading the 22 courses over 5 or 6 semesters, for instance to allow for part-time employment. Many first and second year courses are offered in the evening to allow students who work during the day to attend classes.

Students may challenge any course in which they feel they have adequate background. A successful challenge will result in the student being granted CNC credit for that course.

RECOMMENDED SECONDARY SCHOOL COURSES: Book-keeping 11, Consumer Math 11 or Algebra 11.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATES: September or January.

FEES: See page 5.

THE PROGRAM

The first two semesters of the program are designed to provide the student with introductory courses in Business Management, Accounting and Electronic Data Processing as well as develop essential background skills in Math and English.

The first year is designed also to provide students with an overview of the entire career field of business, so that they may find it easier to make an informed career choice. There are three major options open in the 3rd and 4th semesters of the program. Electronic Data Processing, Accounting and Finance, and Business Administration. The first year course requirements are the same for all three options, and the student is not asked to make a choice until the end of the second semester.

FIRST YEAR

SEMESTER I

Fundamentals of Accounting I	BUS 151-3
Business Fundamentals I	BUS 153-3
Effective Communication I	ENGL 151-3
Mathematics of Finance	MATH 154-3
Data Processing Fundamentals	EDP 151-3

SEMESTER 2

Fundamentals of Accounting II	BUS 152-3
Business Fundamentals II	BUS 154-3
Effective Communication II	ENGL 152-3
Introduction to Business Statistics	MATH 157-3
Computer Programming I	EDP 152-3

First year requirements 30 semester/hours credit

SECOND YEAR

There are three options open to students entering the second year:

Electronic Data Processing
Accounting and Finance
Business Administration

Students must select their second year program in consultation with a faculty member from EDP, Accounting or Business Administration. It is recommended that this be done before leaving the College at the end of the first year.

ACCOUNTING AND FINANCE OPTION

This option is provided for those who wish to prepare themselves for a career in the field of accounting and finance. Excellent career paths are accessible to students who choose this route. As mentioned before, many of these courses are accepted by the professional accounting associations, and a graduate of the program may continue his or her education through progress towards professional certification. Employment opportunities are numerous in the accounting field in many companies — small and large, both as a public accountant and as a specialist within the company. At a later stage, the graduate may wish to branch out into other areas of business, and accounting experience and training is a fine preparation for this.

SEMESTER 3

Organizational Behaviour	BUS 274-3
Introduction to Economics	ECON 101-3
Intermediate Accounting I	BUS 251-3
Cost Accounting I	BUS 253-3
Financial Management I	BUS 257-3
Business or EDP elective	(3 semester hours)

SEMESTER 4

Business Law	BUS 293-3
Human Relations in Business	BUS 268-3
Intermediate Accounting II	BUS 252-3
Cost Accounting II	BUS 254-3
Financial Management II	BUS 258-3
Credit and Collections	BUS 261-3

BUSINESS ADMINISTRATION OPTION

This option prepares students for junior or trainee management positions in a wide range of businesses and governmental agencies. Banking, retailing, manufacturing and service businesses represent a few of the main fields of business where a student may follow a career. The courses in this option do not favour a concentration in specialized course work but rather provide students with a broad spectrum of content in such fields as marketing, finance, law, organizational behaviour, human relations and economics. There are a number of courses also which will give the student an opportunity to acquire skills and experience in such management areas as credit and collections, small business management, and purchasing.

SEMESTER 3

Financial Management I	BUS 257-3 (3.0)
Small Business Management	BUS 266-3 (3.0)
Marketing I	BUS 271-3 (3.0)
Organizational Behaviour	BUS 274-3 (3.0)
Introduction to Economics	ECON 151-3 (3.0)

Plus: One elective from:
Business or EDP (3 semester hours)

SEMESTER 4

Financial Management II	BUS 258-3 (3.0)
Credit and Collections	BUS 261-3 (3.0)
Purchasing	BUS 262-3 (3.0)
Business Policy	BUS 265-3 (3.0)
Human Relations in Business	BUS 268-3 (3.0)
Retail Merchandising	BUS 278-1 (1½.0)
Business Law	BUS 293-3 (3.0)

CERTIFICATE PROGRAM IN BUSINESS ADMINISTRATION

This program is designed primarily for those students who have had considerable experience in the business community, and who wish to supplement their background with courses in business administration. Most of these courses are offered at the College on a regular evening basis almost every year.

Those people completing the Certificate Program must accumulate 30 semester/hours of credit, though upon application CNC is prepared to grant credit towards the certificate for course work in Business Administration completed at other institutions.

Where the business experience of the student overlaps course work, an exemption from the course may be granted by CNC. In that case, the student is free to select other course work to count in the 30 semester hours. Students are free to challenge any CNC courses, and a successful challenge will result in the student being granted the appropriate CNC credit.

In terms of credit for courses taken elsewhere, in terms of exemptions for experience, and the policy on challenges, then, the program is as flexible as possible to allow those on the program to select course work which they feel is most relevant to their needs.

The selection of courses is large, and most people will be able to put together a tailor-made program most appropriate to their needs.

Many courses are transferable for credit in programs of study set out by the Institute of Chartered Accountants, the Society of Industrial Accountants, and the Certified General Accountants Association.

REQUIRED COURSES

(Must be taken, have credit for, or be granted an exemption for on all programs of study.) All courses are one semester long and carry 3 semester/hours of credit. Each course is 45 hours in the lecture room, evening courses meet 3 hours once a week for 15 weeks.

Fundamentals of Accounting I	BUS 151-3
Fundamentals of Accounting II	BUS 152-3
Business Communication I	ENGL 151-3
Principals of Management	BUS 255-3
Financial Management I	BUS 257-3
Marketing I	BUS 271-3
Organizational Behaviour	BUS 274-3





ELECTRONIC DATA PROCESSING OPTION

The increasing need to assemble and interpret vast amounts of information has resulted in tremendous expansion in the field of data processing. The electronic computer is now being used in virtually every area of business and industry. The computer is also being used extensively in scientific engineering and research projects.

The application of the computer to business problems requires a great deal of human planning and preparation. Information processing must be both timely and accurate. The computer is a versatile and useful calculating facility but it must be given careful and detailed instructions. This requires analyzing the situation and defining the problem, formulating a solution and expressing the solution in terms the computer can understand.

The Data Processing option is designed to prepare the individual for employment as a computer programmer, or systems analyst.

The College has recently installed a very sophisticated modern new computer for the use of students and faculty. The new computer will facilitate the teaching of sophisticated processing techniques.

SEMESTER 3

Organizational Behaviour	BUS 274-3
Cost Accounting I	BUS 253-3
Computer Programming II	EDP 251-3
Systems Analysis	EDP 253-3
Business Uses of the Computer	EDP 255-3
Management Information Systems	EDP 257-3

SEMESTER 4

Human Relations in Business	BUS 268-3
Cost Accounting II	BUS 254-3
Computer Programming III	EDP 252-3
Systems Design	EDP 254-3
Managerial Computer Applications	EDP 256-3
Business Elective	(3 semester hours)

ELECTIVES

Intermediate Accounting I	BUS 251-3
Intermediate Accounting II	BUS 252-3
Cost Accounting I	BUS 253-3
Cost Accounting II	BUS 254-3
Financial Management II	BUS 258-3
Credit and Collections	BUS 261-3
Purchasing	BUS 262-3
Business Policy	BUS 265-3
Small Business Management	BUS 266-3
Marketing II	BUS 272-3
Retail Merchandising	BUS 278-1
Personnel Administration	BUS 275-5
Interviewing and Counselling	BUS 276-3
Industrial Relations	BUS 277-3
Human Relations in Business	BUS 268-3
Business Law	BUS 293-3
Data Processing Fundamentals	EDP 151-3
Computer Programming I	EDP 152-3
Computer Programming II	EDP 251-3
Computer Programming III	EDP 252-3
Systems Analysis	EDP 253-3
Systems Design	EDP 254-3
Business Uses of the Computer	EDP 255-3
Managerial Computer Applications	EDP 256-3
Management Information Systems	EDP 257-3
Principles of Economics - Macroeconomics	ECON 201-3
Principles of Economics - Microeconomics	ECON 202-3
Introduction to Economics	ECON 151-3 or 101-3
Canadian Economic Issues	ECON 102-3

BUSINESS CAREERS

Certificate

The Business Careers program offers a variety of options which lead to certificates in:

Clerical Skills
Stenography
Secretarial Skills
Junior Bookkeeping
Intermediate Bookkeeping

ADMISSION REQUIREMENTS: Applicants must be 17 years of age or older with a minimum Grade 10 education or BTSD III.

LENGTH OF PROGRAM: 4 to 6 months.

COMMENCEMENT DATES: Every second month, commencing in September as space permits.

COLLEGE CREDIT: 18 semester hours awarded for 4 months of study; additional credit granted on a prorated basis.

FEES: Tuition - \$60.00/4 months

STUDENT Association \$10.00/4 months

Registration - \$1.00

Minimum standards and course requirements for completion of a certificate are indicated in the chart below.

BUSINESS CAREERS

Typing	40 WPM	50 WPM	55 WPM	30 WPM
English	*	*	*	*
Office Practice	*	*	*	*
Business Arithmetic	*	*	*	*
Introductory Bookkeeping	*	*	*	*
Business Machines	*	*	*	*
Dicta Typing	*	*	*	OP
Record Typing	*	*	*	
Shorthand		80 WPM	100 WPM	
Bookkeeping				*
Posting Machines				*
Accounting Machines				*
OP — OPTION				
* — COMPULSORY				

Information regarding transfer credit for courses in the Business Administration program may be obtained from the College Counselling Centre

COACHING SCIENCE

Diploma

The College of New Caledonia expects to provide a program of study towards a Coaching Science Diploma.

The purposes of the program are to familiarize and expand the coach's knowledge in the sport sciences, and to improve theoretical knowledge and practical coaching ability in sport.

Upon completion of the Diploma program the coach will receive academic recognition and certification in the National Coaching Certification Program via the Ministry of Recreation and Conservation of the Government of British Columbia.

Detailed information about this program will be available in August, 1979.



CONSTRUCTION TECHNOLOGY Diploma

Graduates of this program should expect to enter the construction industry in a junior capacity such as assistant to an estimator or to a project supervisor. Promotion to supervisory positions will require considerable work experience. Opportunities may be available for graduates to work as building inspectors or as surveyors.

The course of study includes: construction materials (soils, concrete, wood, steel, plastics), drafting and blueprint reading, effective communication, surveying, estimating, construction law, and management operations. Relevant building regulations and building codes will be covered throughout the course.

Students are encouraged to find employment in the construction industry between the second and third semesters for on-the-job experience. This will assist the student in finding permanent employment after graduation.

The Construction Technology program was designed with the assistance and cooperation of the Prince George branch of The Construction Association of British Columbia and members of the Construction Technology Advisory Committee. The program is constantly being reviewed to ensure that course content relates directly to contemporary construction techniques.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. It would be to the student's advantage to have completed Secondary School courses in Construction Technology, Math or Science.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: See page 5.

THE PROGRAM

SEMESTER 1

Introduction to the Construction Industry
Materials and Applications I
Drafting Fundamentals
Effective Communication I
Basic Mathematics
Surveying I
Business Fundamentals I

CONS 150-2
CONS 151-3
DRAF 153-3
ENGL 151-3
MATH 150-3
SURV 151-3
BUS 153-3

SEMESTER 2

Drafting and Interpretation
Materials and Applications II
Construction Science I
Effective Communication II
Surveying II
Technical Mathematics

DRAF 154-3
CONS 152-3
CONS 161-3
ENGL 152-3
SURV 152-3
MATH 151-3

SEMESTER 3

Summer Essay
Construction Strength and Design I
Estimating and Bidding I
Construction Science II
Construction and Law
Roads and Excavations
Construction Project I
Plus: One elective from:
Industrial Relations
Data Processing Fundamentals
Organizational Behaviour
Or any other suitable elective from the Business Program

CONS 290-1
CONS 271-3
CONS 261-3
CONS 263-3
CONS 265-3
CONS 266-3
CONS 291-2

BUS 277-3
EDP 151-3
BUS 274-3

SEMESTER 4

Estimating and Bidding II
Project Operations
Management Operations
Building Services
Construction Equipment
Plus: One elective from:
Construction Strength and Design II
Construction Project II
Business Law
Computer Programming I
Same as above

CONS 262-3
CONS 282-3
CONS 274-3
CONS 284-3
CONS 283-3

CONS 281-3
CONS 292-2
BUS 293-3
EDP 152-3

DENTAL ASSISTING

Certificate

The dental assistant program consists of co-ordinated lectures, clinical and dental office experience. The area of studies includes instruction in dental anatomy, physiology, pharmacology, and bacteriology. Emphasis is placed on operative, laboratory and radiographic principles and techniques. A First Aid Program is included.

Students successfully completing this program may apply to the College of Dental Surgeons of B.C. to write the Dental Assistant Certification examination.

Students with initiative and a sense of responsibility will find a satisfying career as a dental assistant.

Graduates may find employment in dental practices, public health services, dental clinics and related services.

Successful applicants must have a medical examination prior to commencement of the program.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV, Biology 11 or Biology 040 required. Chemistry 11 or Chemistry 040 preferred. Applicants are reminded that due to the high academic requirements and large number of applicants to the Dental Assisting program, students with better than average high school grades will receive admission priority.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATES: September. Application deadline June 1.

COLLEGE CREDIT: 45 semester hours.

FEES: Tuition - \$150.00

Student Association - \$25.00

Registration Fee - \$1.00

EXPENSES: Textbooks, etc. \$300.00

DRAFTING

Certificate

The purpose of this program is to prepare persons for employment with companies engaged in architectural, structural, civil or mechanical drafting.

The students are taught basic drafting techniques, applied mathematics and technology, mechanical drafting, and architectural and structural drafting.

The draftsman is the link between the engineer or designer, who works out ideas, and the construction trades which do the fabricating or building. When preliminary plans are approved they are passed to the draftsman for development of working drawings.

Graduates of this course normally commence employment at a junior level. On the job experience will eventually lead to more responsible work, and the extensive technical knowledge gained in drafting may, with additional training, lead to positions in engineering, designing, sales or administration.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Drafting 11 preferred. Applicants must have good eyesight and hand-eye coordination, an analytical mind, creative ability and patience to give undivided attention to detail.

LENGTH OF COURSE: 9 months.

COMMENCEMENT DATE: September

COLLEGE CREDIT: 45 semester hours

FEES: Tuition - \$135.00

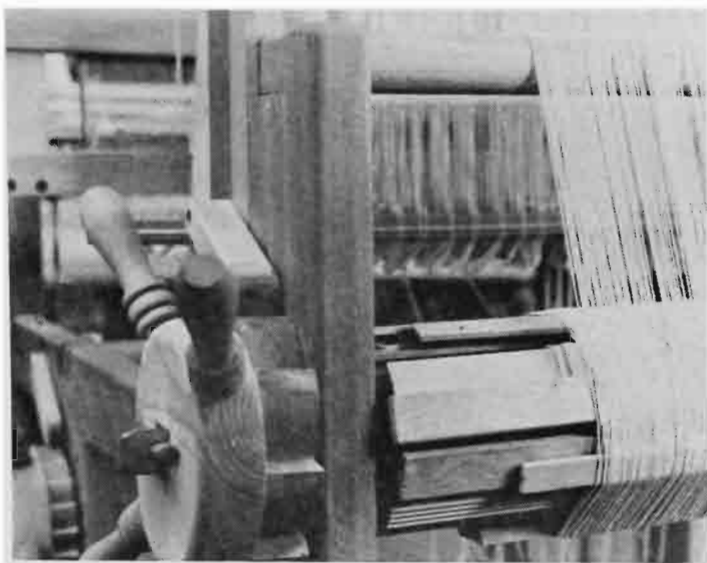
Student Association - \$22.50

Registration \$1.00

EARLY CHILDHOOD EDUCATION Diploma

The need for qualified adults to work with young children has increased significantly in the past few years. The changing role of women, the growing number of single parent families and the economic pressures of our society have created a need for quality daycare for young children. Moreover recent research in developmental psychology has led to a greater awareness of the significance of the first five years of life. Much of a person's personality development and learning occur before age five. The experiences young children have in and out of the home during these early, formative years can have a profound effect on their development.

The Early Childhood Education program is designed to train men and women to be skilled, sensitive teachers of young children in Day Care Centres, Nursery Schools and private kindergartens.



In order to teach in these facilities in B.C., individuals must be licensed by the Community Care Facilities Licensing Board of British Columbia. Those who successfully complete this program will be recommended for B.C. Licensure.

The ECE program is a 9 month program. The College of New Caledonia offers a series of upgrading courses. These courses are not required for licensing and are offered to expand the knowledge and teaching skills of licensed day care workers.

Theory and practice are closely related throughout the program. Students are assigned to observe and/or participate in preschool centres throughout the full training period. The last month of training is an intensive full-time practicum experience.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Applicants should have a stable, cheerful personality as well as the ability to establish supportive relationships with children and adults. Applicants should be able to work in an emotionally, physically and intellectually demanding environment. A medical examination including T.B. test and up to date immunization. Applicants must send in two letters of reference from non-relatives. All volunteer work, employment, previous coursework and other relevant experience should be noted on application. Priority is given to early applicants and to those with demonstrated interest. Interviews may be required.

N.B.: It is strongly recommended that interested persons acquire some experience in working with young children or working in a related, people-orientated field.

LENGTH OF PROGRAM: 2 semesters

COMMENCEMENT DATE: September

FEES: Tuition - \$135.00

Student Association \$22.50

Registration - \$1.00

THE PROGRAM

Child Growth and Development	ECE 151
Philosophy of Early Childhood Education	ECE 154
The Child in Society	ECE 153
Program Development	ECE 165
Observing and Recording Behaviour	ECE 170
Health, Safety and Nutrition in the Preschool	ECE 172
Practicum I	ECE 190
Practicum II	ECE 199
Effective Communications I	ENGL 151
Effective Communications II	ENGL 152
General Psychology I	PSYC 101
General Psychology II	PSYC 102

FALLING AND BUCKING

Certificate

This four-week program is designed to provide entry level training for persons seeking employment in the Central Interior Logging industry.

Instruction will be given at a logging training site and will include woods safety related to felling and landing work, power saw operation and maintenance, timber quality control, and WBC Survival First Aid.

ADMISSION REQUIREMENTS: Applicants must be 16 years of age or older and physically capable of rigorous outdoor work, with a sincere interest in the logging industry.

Industrial experience and a valid driver's licence are important.

LENGTH OF PROGRAM: Four weeks.

COMMENCEMENT DATES: Classes begin weekly as space permits.

FEES: Tuition \$15.00

Registration \$1.00

DRESS: WCB safety standards are adhered to. Students must provide their own safety work boots and clothing suitable for outdoor work and the weather conditions during the training period. Safety hat with ear protectors and safety pants are available on a loan basis but applicants should be prepared to purchase their own prior to seeking employment.

FINE ARTS DIPLOMA

The Fine Arts Diploma program is designed to provide the student with comprehensive instruction in the major areas of art. The program's combination of required and elective courses enables the student both to master a core of knowledge and skills and to pursue areas of personal or special interest.

The program takes a liberal arts approach in order to facilitate high quality education in Art without any unnecessary limiting specializations.

Students may enroll in the Fine Arts Diploma program on a full-time or part-time basis. However, it is recommended that, in order to maintain continuity of the learning process, students should enroll in Fine Arts courses on a regular basis.

The order in which the student should take specific courses in the program may be governed by the prerequisite requirements specified in the course descriptions. The Fine Arts Diploma requires a total of 60 credit hours distributed as follows:

ADMISSION REQUIREMENTS: Grade 12, GED, BTSD IV.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September or January.

FEE: See page 5.

REQUIRED COURSES*

Design Fundamentals I	ART 101-3
Design Fundamentals II	ART 102-3
History of Art I	ART 103-3
History of Art II	ART 104-3
Drawing I	ART 165-3
Drawing II	ART 166-3
Independent Study I	ART 281-3
Independent Study II	ART 282-3
Literature and Composition I	ENGL 101-3
Literature and Composition II	ENGL 102-3
and one of the following pairs of courses:	
Painting I	ART 264-3
Painting II	ART 265-3
or	
Weaving I	ART 271-3
Weaving II	ART 272-3

ELECTIVE COURSES*

A minimum of 6 and a maximum of 12 credit hours selected from the following list:

Spinning and Dyeing	ART 161-3
Ceramics I	ART 163-3
Ceramics II	ART 164-3
Basic Design in Off-Loom Techniques I	ART 167-3
Basic Design in Off-Loom Techniques II	ART 168-3
Sculpture I	ART 171-3
Sculpture II	ART 172-3
Creative Photography I	ART 173-3
Creative Photography II	ART 174-3
Printmaking I	ART 177-3
Printmaking II	ART 178-3
Advanced Weaving III	ART 273-3
Advanced Weaving IV	ART 274-3

A minimum of 12 other credit hours of Arts and Science courses.

*Courses in this program are offered subject to demand and availability of resources. Should one of the courses listed above not be offered during a student's period of attendance at the College, then additional electives from the list of Art courses may be substituted.

FOREST RESOURCE TECHNOLOGY

Diploma

The Forest Resource Technology is divided into two options, Forestry and Harvesting. The emphasis of the Forestry option is forest management whereas the emphasis of the Harvesting option is log manufacturing and transport to the manufacturing plants. The first year is common to both options. Upon completing first year, students must decide in which option they wish to enroll in second year.

Students seeking careers in either Forest Technology option should realize that the work is primarily out-of-doors most of the year and that all conditions of weather will be encountered.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV Math 11 or Algebra 11 required. Students will benefit if they have studied Biology 11, Biology 12, Math 12, Geography 12, Forestry 11, Chemistry 11, and Physics 11. Mature students who have not completed Grade 12 but have two or more years experience in a forestry occupation may be admitted.

LENGTH OF PROGRAM: 4 semesters and 2 week field schools.

COMMENCEMENT DATE: September.

FEE: See Page 5.

THE PROGRAM

Common First Year, Forestry and Harvesting Options

SEMESTER 1

Forestry Orientation	FOR 150-3
Forest Science I	FOR 155-3
Forest Soils and Ecology	FOR 157-3
Forest Measurements I	FOR 161-3
Fire Control I	FOR 165-3
Photogrammetry I	FOR 171-3
Forest Drafting I	FOR 173-2
Effective Communication I	ENGL 151-3
Basic Mathematics	MATH 150-3
Industrial Psychology and Human Relations I	PSYC 157-1

SEMESTER 2

Forest Products and Wood Technology	FOR 154-3
Forest Science II	FOR 156-3
Forest Measurements II	FOR 162-3
Fire Control II	FOR 166-3
Photo Interpretation	FOR 172-3
Forest Drafting II	FOR 174-2
Field School	FOR 199-3
Effective Communication II	ENGL 152-3
Technical Mathematics	MATH 151-3
*Industrial Psychology and Human Relations II	PSYC 158-1

*May be run concurrently with PSYC 157-1

FORESTRY OPTION

The management of the forest resource requires highly qualified technologists for both private and public sectors, requiring basic skills and theory in ecology, reforestation, forest economics, protection from pests, forest surveying, and engineering. Land management for the best use of all the resources is stressed in the program.

Specific job opportunities for graduates of this option in the forest industry include timber appraisers, road foremen, forest engineering technicians, silvicultural technicians, and research assistants. Positions in the Ministry of Forests include assistant rangers, silvicultural technicians, nursery technicians, and fire protection officers.

SECOND YEAR FORESTRY OPTION

SEMESTER 3

Forest Management I	FOR 251-3
Silviculture I	FOR 253-3
Forest Entomology	FOR 255-3
Applied Sampling - Special Field Project	FOR 291-1
Applied Sampling - Compilations	FOR 261-3
Human and Public Relations in Forestry	FOR 267-1
Summer Technical Report	FOR 290-1
Forest Finance I	FOR 281-3
Roads and Transportation I	FOR 285-3
Logging I	FOR 287-3



SEMESTER 4

Forest Management II	FOR 252-3
Silviculture II	FOR 254-3
Forest Pathology	FOR 256-3
Interior Log Scaling	FOR 262-3
Industrial Relations in Forestry	FOR 268-1
Forest Finance II	FOR 282-3
Roads and Transportation II	FOR 286-3
Logging II	FOR 288-3
Spring Field School	FOR 299-3

NOTE: Students are responsible for the examination fees associated with the B.C. Interior Log Scaler's Licence and Pesticide Applicator's Certificate in the 4th Semester. (\$25.00 and \$10.00 in 1979, respectively).

HARVESTING OPTION

The Harvesting option provides Harvesting Technologists with enriched technical training in the logging phase of forest operations. It emphasizes specific skills in log manufacturing and hauling, machinery management, personnel and industrial relations, cost accounting, and forest finance. Approximately one third of the course time will be spent on logging procedures and equipment operation.

Employment opportunities for graduates are basically with forest products companies or logging contractors. Generally, positions in logging production command higher salaries than other fields of forestry.

Specific jobs for graduates are road foreman, logging foreman, forest engineering technician, logging research technicians, and various positions in the Engineering Division of the Ministry of Forests.

SECOND YEAR HARVESTING OPTION

SEMESTER 3

Silviculture I	FOR 253-3
Applied Sampling - Special Field Project	FOR 291-1
Applied Sampling - Compilations	FOR 261-3
Forest Finance I	FOR 281-3
Roads and Transportation I	FOR 285-3
Logging I	FOR 287-3
Harvesting Management I	FOR 271-3
Industrial Management I	FOR 283-3
Summer Technical Report	FOR 290-1

SEMESTER 4

Interior Log Scaling	FOR 262-3
Forest Finance II	FOR 282-3
Roads and Transportation II	FOR 286-3
Harvesting Management II	FOR 272-3
Industrial Management II	FOR 284-3
Harvesting Methods	FOR 279-6
Spring Field School	FOR 299-3

GENERAL STUDIES

Students may design a unique "GENERAL STUDIES" program and obtain a COLLEGE DIPLOMA upon completion of the required number of credits. Students requiring further information concerning a General Studies Diploma program are asked to consult with a College Counsellor prior to enrollment.

HEAVY DUTY MECHANICS

Certificate

A pre-apprentice course in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Ministry of Labour.

This program is intended to prepare students for employment as apprentices in the Heavy Duty Mechanics Trade.

The training covers repair and maintenance on heavy equipment of both the wheeled and track variety and large trucks.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Minimum Grade 10 or BTSD III. Applicants must be 16 years of age or older and be in good health; non-allergic to solvents or lubricants; good mechanical aptitude.

LENGTH OF PROGRAM: 6 months.

COMMENCEMENT DATES: September and April.

COLLEGE CREDIT: 22 semester hours.

FEES: Tuition paid by Ministry of Labour

Student Association - \$15.00

Registration - \$1.00

THE PROGRAM:

- Fundamentals of gas and diesel engines
- Fuel systems
- Lubrication systems
- Cooling systems
- Electrical systems
- Brake systems
- Clutches
- Transmission and drive mechanisms
- Running gear
- Engine disassembly and inspection
- Overhaul procedures
- Rebuilding of machinery components



Diploma

HEAVY EQUIPMENT OPERATOR

Certificate

This training program has two options:

- Training for employment in the road construction industry.
- Training for employment in the logging and woods industry.

The initial training period will be devoted to operating safety, machine servicing and maintenance, as well as basic equipment operating techniques.

Students will receive instruction on crawler tractor, front end wheel loader, small backhoe, grader, and dump truck.

Optional courses for Class II drivers licence, Air Brake Theory, and W.C.B. Survival First Aid will be offered.

During the final phase of this program students will elect to take the Construction Equipment option which includes additional instruction on road construction.

OR

The Logging Equipment Option which includes skidder and rubber-tired log loader operating and maintenance, woods safety, identification and sorting of tree species, quality control of logs, and decking.

ADMISSION REQUIREMENTS: This course requires no special educational standing as a prerequisite. However, it would be to the applicant's advantage both on course and in securing employment to have completed Grade 12, GED or BTSD IV. Applicants must be 17 years of age or older, physically suited to this type of work and able to adapt to rugged working conditions. Previous industrial experience, and a valid driver's licence preferred.

LENGTH OF COURSE: 17 weeks.

COMMENCEMENT DATES: Classes begin every month.

DRESS: WCB safety standards are adhered to and students must have safety footwear and clothing suitable for the work involved and weather conditions at the time of training. Coveralls and safety hat with ear protectors are available on a loan basis.

COLLEGE CREDIT: 18 semester hours.

FEES: Tuition - \$60.00

Student Association \$10.00

Registration - \$1.00

HUMANITIES PROGRAM

Diploma

Humanities is a non-disciplinary University Transfer program based on a reading list of significant works of literature, philosophy, history, etc. The program and reading list are organized around a general theme, but within the program there are no barriers between subject areas. The program is designed to provide the first-year student with comprehensive practice in reading major works intelligently and in thinking, talking, and writing about these works. Considerable emphasis is placed on essay writing: five major essays per semester are required.

Humanities is team-taught by two or more instructors of different academic specialization. The instructors use both lecture and seminar formats and meet frequently with students on an individual basis to assess progress and help with difficulties.

A limited number of students will be accepted into the Humanities program. The program carries credit for three courses per semester and demands a proportionate amount of student's time. In order to receive credit for a full first year, the student must take two additional regular courses each semester.

Students interested in this program should obtain a more detailed outline from either the counsellors or one of the Humanities instructors.

NOTE: The Humanities program is most beneficial to the student who remains in the program for both semesters (i.e. HUM 101-9 and 102-9). Students who enter the program in the Fall semester are strongly encouraged to commit themselves to remaining in the Humanities program for both Fall and Spring semesters.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: See page 5.

MEDICAL LABORATORY TECHNOLOGY

Diploma

Students in the Medical Laboratory Technology program will, after successfully completing their year at CNC, transfer to BCIT or Cariboo Community College for their second year. A third year must be spent in a hospital approved as a training establishment by the Canadian Medical Association. Students must then write the Examination of the Canadian Society of Laboratory Technologists.

Successful graduates of the Medical Laboratory Technology program will have a large variety of positions available to them, in research laboratories, clinical laboratories, hospitals, and government agencies.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV, including Mathematics 12, Chemistry 11, Biology 11. Students with Chemistry 12 and Biology 12 will be given admission priority. Applicants should have demonstrated interest in lab science studies. A medical and eye examination. Interviews may be required.

LENGTH OF PROGRAM: 2 semesters at CNC then transfer to complete program.

COMMENCEMENT DATE: September.

FEES: See page 5.

THE PROGRAM

SEMESTER 1

Effective Communication I

ENGL 151-3, 101-3,
102-3 or 103-3
MATH 161-3
MATH 104-3
CHEM 103-3
PHYS 105-3
BIO 161-3
MLT 151-3

Medical Lab Technology Mathematics I
Introduction to Statistics
Introduction to Chemistry I
General Physics I
Human Anatomy and Physiology I
Medical Laboratory Orientation I

SEMESTER 2

Effective Communication II

ENGL 152-3, 101-3,
102-3 or 103-3
(if credit has already
been granted for one of
101-3, 102-3, or 103-3
then option is limited to
the remaining two
courses)
MATH 162-3
CHEM 154-3
PHYS 106-3
BIO 162-3
MLT 152-3

Medical Lab Technology Mathematics II
Chemistry for Medical Lab Technologists
General Physics II
Human Anatomy and Physiology II
Medical Laboratory Orientation II

INTERSESSION (May-June)

Introduction to Data Processing for
Medical Lab Technologists
Fundamentals of Immunology

EDP 157-3
BIO 163-3



MILLWRIGHT

Certificate

A Pre-Apprentice course in a Designated Trade sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour. This course is designed to prepare students for employment as apprentices in the Millwright Trade. Millwrights are skilled in the installation, repair and maintenance of industrial machinery such as conveyors, pumps, compressors, cranes, paper-making machines and similar industrial equipment. The principal fields of employment include pulp and paper mills, saw-mills and related wood products factories, mines, iron, steel and aluminum plants, refineries and chemical plants, and smaller manufacturing plants.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Minimum education level: a suitable level to meet the requirements for this occupation. Applicants must be 16 years of age or over and be in good health with a mechanical aptitude.

LENGTH OF PROGRAM: 6 months.

COMMENCEMENT DATES: April and September.

FEES: Tuition paid by Ministry of Labour
Students Association - \$15.00
Registration - \$1.00

THE PROGRAM:

Blueprint reading and sketching
Basic oxy-acetylene and arc welding
Ladders and scaffolding
Hand and power tools of the trade
Benchwork
Lubrication techniques
Applied electricity
Applied mathematics
Safety education

NURSING (Practical Nurse)

Certificate

The PN program prepares persons for a career in Practical Nursing. The Practical Nurse assists other members of the health team in promoting health and in providing health care.

The PN program is ten months in length. Students' time is divided between classroom instruction and clinical experience at the Prince George Regional Hospital. Nursing theory and practice are integrated throughout this program.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Bio 11 preferred. Interviews may be required. Applicants must be at least 17 years of age at the time they commence the program. Successful applicants must submit their medical examination report, have the required immunization completed, and have all necessary dental work completed prior to commencing the Practical Nursing program.

Qualifying students in regular attendance in this program receive the British Columbia Hospital Service Subsidy of \$150 per month.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATES: September, January, April.

COLLEGE CREDIT: 45 semester hours.

FEES: Tuition - \$150.00
Student Association \$25.00
Registration \$1.00

DRESS AND RELATED EXPENSES: Uniforms are supplied. Students are responsible for their own white nursing shoes, sweep second hand watch, scissors, textbooks and supplies: \$175.00 minimum.



NURSING

Diploma

The Nursing program is designed to meet the requirements of the Registered Nurses Association of British Columbia in preparation for nurse registration (R.N.).

The graduates are members of the health team providing comprehensive nursing care in general medical-surgical, paediatric, post partum, normal newborn nursery and psychiatric areas. The graduate will have the potential to function in intensive or critical care areas following additional experience, ongoing education and supervision.

The program extends over 2½ years and provides integrated theory and practical experience.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV including Biology 11 or Bio 040 and Chemistry 11 or Chem 040. Biology 12 and Chemistry 12 are recommended. General academic standing will be considered when selecting students for admission. Personal interviews may be required. A medical examination report must be submitted before final acceptance into the program. A chest X-ray and immunization will be required following final acceptance. The health status of the applicant is considered when selecting students for admission.

N.B.: Students entering the Nursing program will write an English Proficiency test. Students whose level indicates they require College level English instruction will enroll in Engl 151-3. All other students will enroll in the following two components of Engl 151-3:

- a) Library Orientation
- b) Letters of Application and Resume Writing

LENGTH OF PROGRAM: 5 semesters

COMMENCEMENT DATE: September

FEES: See page 5.

THE PROGRAM

SEMESTER 1

Orientation to Nursing
Human Anatomy and Physiology I
Health - Its Maintenance and Promotion
Introductory Psychology for Nursing

NURS 150-1
BIO 161-3
NURS 151-8
PSYC 161-3

SEMESTER 2

Human Anatomy and Physiology II
The Adult with Common Interferences
Nursing, Past and Present
Developmental Psychology for Nurses

BIO 162-3
NURS 152-12
NURS 160-1
PSYC 162-3

INTERSESSION I

Adult with
Common Interferences (continued)
WORK SESSION

NURS 152-12
NURS 199-1

SEMESTER 3

The Expanding Family
The Child in Health and Illness
Moral Philosophy
Canadian Society I

NURS 261-8
NURS 263-8
PHIL 101-3
SOC 203-3

SEMESTER 4

The Professional Nurse
Individual Experiencing
Psychosocial Interferences
The Adult with Critical Interferences
Canadian Society II

NURS 250-2
NURS 262-8
NURS 264-8
SOC 204-3

INTERSESSION II

The Individual Requiring
Intensive Nursing

NURS 290-5

SEMESTER 5

The Nurse - A Health Team Member

NURS 299-15



POWER ENGINEERING

Certificate

A pre-employment program intended to prepare persons for a career in Power Plant operation and maintenance. This course includes maintenance of powerhouse equipment, instrumentation, electricity, engineering sciences and water conditioning. While emphasis will be upon the practical application of the basic principles, sufficient theory will be covered to prepare students to write the Fourth Class Power Engineer's Examinations.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Related experience in industry will be considered in lieu of formal education. Recommended high school courses include: Math 11, Physics, Drafting and Chemistry.

Applicants should have a good command of communicative English, written and oral; good health, eyesight and hearing; good mechanical aptitude.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATE: September.

COLLEGE CREDIT: 45 semester hours.

FEES: Tuition - \$150.00
Student Association - \$25.00
Registration - \$1.00

THE PROGRAM:

Mathematics and Applied Science
Instrumentation
Workshop
Sketching and blueprint reading
Steamplant training
Boiler operation
Electricity
Report writing



POWER ENGINEERING UPGRADE

SEPTEMBER TO JUNE:

Correspondence courses in all levels of Power Engineering are available from CNC. They include marking assignments and providing on site tutorial sessions on a full time day or part time evening schedule.

Inquiries should be directed to Student Services.

FEES:	4th Class	3rd Class	2nd Class	1st Class
Tuition	\$25.00	\$40.00	\$60.00	\$90.00
Student Association	—	—	—	—
Registration	1.00	1.00	1.00	1.00

BOILER OPERATORS: Class A and Class B are \$15.00 each.

PRE-ENROLLMENT COUNSELLING:

Due to the complexities of Provincial and inter-Provincial legislation governing acceptable qualifying time served in industry, prospective students may wish to discuss their acceptability for certification prior to enrollment. The College faculty offer their assistance to students seeking advice regarding the prerequisites for compliance with legislation and mandatory regulations.

PROFESSIONAL SECRETARY **Diploma**

This Diploma program combines components from the College of New Caledonia Business Careers and Business Administration programs to provide a sound and practical educational background for the career oriented secretary.

Completion of the following courses will prepare persons for certification with the Canadian Division of the National Secretaries Association.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEE: See page 5.

SEMESTER 1

Typewriting
Shorthand
Office Practice and Business Machines
English
Accounting

SEMESTER 2

Typewriting - 55 Wpm and Dictaphone
Shorthand - 100 Wpm
Effective Communications II
General Business Law
Accounting II

ENGL 152-3
BUS 293-3
BUS 152-3

SEMESTER 3

Introduction to Economics
Organizational Behaviour
General Psychology I
Data Processing Fundamentals
One Elective from list below

ECON 153-3
BUS 274-3
PSYC 151-3
EDP 151-3

SEMESTER 4

Personnel Administration
Four Electives from list below

BUS 275-3

ELECTIVES TO BE CHOSEN FROM THE FOLLOWING:

Business Fundamentals I
Business Fundamentals II
Intermediate Accounting I
Intermediate Accounting II
Computer Programming I
Mathematics of Finance
General Psychology II
Human Relations in Business
Introduction to Business Statistics
Credit and Collections
Cost Accounting I
Cost Accounting II
Or any two University Transfer courses.

BUS 153-3
BUS 154-3
BUS 251-3
BUS 252-3
EDP 152-3
MATH 154-3
PSYC 152-3
BUS 268-3
MATH 157-3
BUS 261-3
BUS 253-3
BUS 254-3

All assignments must be typewritten to be credited.

SMALL ENGINE REPAIR

Certificate

This program teaches the mechanical knowledge required, and the techniques employed, to repair small air and liquid cooled engines which are used to power boats, lawn mowers, chainsaws, motor-cycles, and snowmobiles.

Instruction is given in all mechanical aspects of 2 and 4 cycle engines, trouble-shooting techniques, and repair methods. Skill is developed through practical training. A graduate of this program will have gained sufficient knowledge and mechanical training to overhaul and repair small engines, with emphasis on safe working methods and accident prevention. A portion of the course is devoted to business management, bookkeeping and customer relations.

Employment opportunities may be found with businesses which sell and service recreational vehicles such as snowmobiles, and motor-cycles, small horse-powered equipment such as snowblowers, lawnmowers, outboard motors. Business and logging companies employ mechanics to repair chain saws, water pumps and other similar equipment.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV with Industrial and Mechanical courses preferred. Grade 10 or BTSD III minimum.

FEES: Tuition \$75.00
Student Association \$12.50
Registration - \$1.00

THE PROGRAM:

Repair tools
Electricity
Carburetion
Cooling Systems
Clutch and transmission
Starters
Business management

UNIVERSITY TRANSFER PROGRAM

Diploma

The College of New Caledonia offers a wide variety of courses in the area of Arts and Sciences.

Students may elect a program of studies that will transfer to third year University and will lead to a degree in:

Agricultural Sciences
Arts
Applied Science (Engineering)
Architecture
Dental Hygiene
Dentistry
Education
Forestry
Home Economics
Law
Librarianship
Medicine
Pharmaceutical Sciences
Physical Education
Recreation
Rehabilitation Medicine
Science
Social Work

To help students in program planning for University Transfer a transfer equivalency guide appears in this calendar on page 20.

Students are urged to discuss their program with a CNC Counsellor to ensure that the proper courses have been selected to satisfy the requirements of the degree they are seeking.

ADMISSION REQUIREMENTS: See page 3.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATES: September or January.

FEES: See page 5.

C.N.C. and B.C. UNIVERSITY TRANSFER EQUIVALENCIES

C.N.C.	S.F.U.	U.B.C.	U.VIC	C.N.C.	S.F.U.	U.B.C.	U.VIC
101 and 202 Anth 101 S.A.(3) S.A.270(3) S.A.(3) } Anth 100 (3) Anth 102 Arc(3) } Anth 100 (3) Anth 201 S.A. 170(3) } Anth 200 level (1½) Anth 202 S.A. (3) } Anth 200 level (1½) Anth 200 (1½) } Anth 200(3) Art 101 Visual Art(3) Studio } Art 102 Visual Art (3) Studio } Art 103 Art History (3) } Fine Arts 125 (3) Art 104 Art History (3) } Art 163 Visual Art(3) Studio - Art 164 Visual Art(3) Studio - Art 165 Visual Art(3) Studio } Art 166 Visual Art(3) Studio } Any Two Art 171 Visual Art(3) Studio } Fine Arts Art 172 Visual Art(3) Studio } 181 (3) Art 173 Visual Art(3) Studio } Art 174 Visual Art(3) Studio } Art 177 Visual Art(3) Studio } Fine Arts 181 (3) Art 178 Visual Art(3) Studio } Art 264 Visual Art(3) Studio } Art 265 Visual Art(3) Studio } Bio 101 BiSc 101 (3) } Biol 101 (3) OR Bio 102 BiSc 102 (3) } Biol 102 (3) Bio 103 BiSc 101 (3) } Biol (1½) } Biol (3) Bio 104 BiSc 102 (3) } Biol (1½) } Bio 201 BiSc 201 (3) } Biol 200 (1½) Bio 202 BiSc (3) } Biol 201 (1½) Bio 203 BiSc 204 (3) } Biol 321 (1½) Bio 204 BiSc 202 (3) } Biol 334 (1½) Bio 205 BiSc (3) } BiSc 303(3) } Micr 200 (3) Bio 206 BiSc (3) } BiSc (3) } Bio 207 BiSc (3) } Zool 203 (1½) Bio 208 BiSc 203 (3) } Zool (1½) Bio 209 BiSc 326 (3) } Botany 209 (1½) Chem 101 Chem 105 (3) } Chem 120 (3) Chem 102 Chem 104 (3) } Chem 103 Chem (3) } Chem 110 (3) Chem 104 Chem (3) } Chem 201 Chem 261 (3) } Chem 205 (3) OR Chem 202 Chem 232 (3) } Chem 210 (3) Chem 203 Chem 251 (3) } Chem 203 (3) OR Chem 204 Chem 252 (3) } Chem 230 (3) Clas 101 Clas Studies (3) } Clas 100 (3) Clas 102 Clas Studies (3) } Com 201 Comm 222 (3) } Comm 151 (1½) Com 203 Comm (3) } Comm (1½) Com 207 Math (3) } Math (1½) } Comm 210(3) Com 208 Math (3) } Math (1½) } Econ 101 Econ 100(3) } Econ (1½) Econ 102 Econ 101 (3) } Econ (1½) Econ 111 Econ 150 (3) } Econ (1½) Econ 112 Econ 152 (3) } Econ (1½) Econ 201 Econ 205 (3) } Econ (1½) } Econ 100(3) Econ 202 Econ 200 (3) } Econ (1½) } EDP 151 } Cmpmt 105 (3) EDP 152 } Cmpmt (1) EDP 155 - Assessed upon applic. EDP 251 - Assessed upon applic. EDP 252 Cmpmt 103 (3) Assessed upon applic. EDP 253 } Cmpmt 121, 171 (2) EDP 254 } Cmpmt (4) EDP 255 Cmpmt (3) } EDP 256 Cmpmt (3) } Comm 191 (1½) Engl 101 Engl (3) } Engl 102 Engl (3) } Any two Engl 103 Engl (3) } Engl 100 (3) Engl 201 Engl (3) } Engl 201 (3) Engl 202 Engl 206 (3) } Engl 203 Engl 221 (3) } Engl 202 (3) Engl 204 Engl 221 (3) OR Eng (3) if 221 otherwise obtained }				Engl 205 Engl (3) } CW 202 (3) } CW 100 (3) Engl 206 Engl (3) } Engl 209 Engl 222(3) } Engl Lit (3) } Engl 203 (3) Engl 210 Engl 222 (3) OR Engl (3) if 222 otherwise obtained } Engl 211 Engl (3) } Engl (1½) Engl 212 Engl (3) } Engl (1½) Engl 213 Engl (3) } Engl (3) Engl 214 Engl (3) } Fren 101 } See S.F.U. Calendar for information on the transferability of Language courses } Fren 120 (3) } Fren 180 (3) Fren 102 } Fren 103 } Fren 110 (3) } Fren 160 (3) Fren 104 } Fren 131 Fren (3) } Fren (1½) Fren 132 Fren (3) } Fren (1½) Fren 201 } See S.F.U. Calendar for information on the transferability of Language courses. } Fren 220 (3) } Fren 285 (3) Fren 202 } Geog 101 Geog 101 (3) } Geog (1½) } Geog 101 (1½) (Partial credit) Geog 103 Geog 262 (3) } Geog 103 (1½) } Geog 100 level (1½) Geog 201 Geog (3) } Geog 111(3) } Geog 101 (3) } Geog 203 (3) Geog 202 Geog (3) } Geog (3) } Geog 203 Geog 121 (3) } Geog 201 (1½) } Geog 201 (1½) (Partial credit) Geog 205 Geog 141 (3) } Geog 200 (1½) } Geog 205 (1½) (partial credit) Geol 101 Geog 112 (3) } Geol Sci 105 (3) } Geol 200 (3) Geol 102 Geol (3) } Geol 201 Geol (3) } Geol Sci 312 (1) } Geol 200 level (1½) Ger 101 } See S.F.U. Calendar for information on the transferability of Language courses. } Germ 100 (3) } Germ 100 (3) Ger 102 } } "C" or above Hist 101 Hist (3) } Hist 125 (3) } Hist 242 (3) Hist 102 Hist (3) } Hist 103 Hist 101 (3) } Hist (3) } Hist 230 (3) Hist 104 Hist 102 (3) } Hist 201 Hist 224 (3) } Hist (1½) } Hist 200 level (1½) Hist 202 Hist 225 (3) } Hist (1½) } Hist 200 level (1½) Hist 211 Hist 110 (3) } Hist (1½) } Hist 200 level (1½) Hum 101 Engl 101 (3), Gen. Elect - Hum. (6). If 101 otherwise obtained credit will be Engl (3). Gen. Elect - Hum. (6). } Arts (9) } Engl 115 (1½) HUM 102 } Both 101 and 102: Engl 101(3), Engl(3), Gen. Elect - Hum.(12). If Engl 101 otherwise obtained: Engl(6), Gen. Elect - Hum (12). } Hum 100 level (6) Math 100 Math 100 (3) } - } Math 012 (0) Math 101 Math 151(3) } Math 100 (1½) } Math 130(3) OR Math 100 (1½) and Math 101 (1½) Math 102 Math 152 (3) } Math 101 (1½) } Math 151 (1½) Math 103 Math (3) } Both=Math 130 (3) Math 104 Math 101 (3) } Math 203 (1½) } Math 100 level (1½) Math 109 Cmpmt 105 (3) } C.Sc. 200 (1½) } C.Sc. 170(1½) Math 110 Cmpmt 103 (3) } Both=C.Sc. 115 (3) } C.Sc. 171(1½) Math 201 Math (3) } Math 253(4) } Math 200 (1½) } Math 200 level (1½) Math 202 Math (3) } Math (2) } Math 201 (1½) } Both=Math 230 (3) Math 203 Math 242 (3) } Math 220 (1½) } Math 200 level (1½) Math 204 Math 232 (3) } Math 221 (1½) } Math 110 (1½) Math 215 Math 310 (3) } Math 315 (1½) } Math 200 level (1½) Mus 103 Mus History (3) } Mus 120 (3) } Mus 110 (3) Mus 104 Mus History (3) } Phil 101 Phil 120 (3) } Phil 100 (3) } Phil 100 (3) Phil 102 Phil 100 (3) } Phil 204 Phil 210 (3) } Phil (1½) } Phil 202 (3) Phil 205 Phil (3) } Phil (1½) }			

C.N.C. and B.C. UNIVERSITY TRANSFER EQUIVALENCIES (continued)

C.N.C.	S.F.U.	U.B.C.	U.VIC.	C.N.C.	S.F.U.	U.B.C.	U.VIC
P.E. 101	—	P.E. 210 (1)	P.E. 120 (1/2)	Posc 101	Pol 100 (3)	Arts (1 1/2)	Poli 100 level (1 1/2)
P.E. 102	—	P.E. 222 (1)	P.E. 100 level (1/2)	Posc 102	Pol 211 (3)	Arts(1 1/2)	Poli 100 level (1 1/2)
P.E. 103	—	P.E. 203 (1)	P.E. 115 (1/2)	Posc 201	Pol 221 (3)	P.S. 200 (1 1/2)	} Poli 100 (3)
P.E. 104	—	—	P.E. 100 level (1/2)	Posc 202	Pol 222 (3)	P.S. (1 1/2)	
P.E. 105	—	P.E. 219 (1)	P.E. 122 (1/2)	Posc 203	Pol 212 (3)	P.S. 202 (1 1/2)	Poli 201 (1 1/2)
P.E. 106	—	P.E. 220 (1)	P.E. 116 (1/2)	Posc 204	Pol (3)	P.S. 203 (1 1/2)	Poli 230 (1 1/2)
P.E. 107	—	P.E. 216 (1)	P.E. 121 (1/2)	Psyc 101	Psyc (3) } Psyc 101(3)	Psyc 100 (3)	Psyc 100 level (1 1/2)
P.E. 108	—	P.E. 218 (1)	—	Psyc 102	Psyc (3) } Psyc (3)		Psyc 100 level (1 1/2)
P.E. 110	—	P.E. 226 (1)	P.E. 117 (1/2)	Psyc 103	Psyc (3)	Psyc (1 1/2)	Hum 100 level (1 1/2)
P.E. 111	—	Credit applied for	Credit applied for	Psyc 201	Psyc 210 (3)	} Psyc 200 (3)	Psyc 200 level (1 1/2)
P.E. 112	—	Credit applied for	Credit applied for	Psyc 202	Psyc 201 (3)		Psyc 200 level (1 1/2)
P.E. 113	—	Credit applied for	Credit applied for	Psyc 203	Psyc (3)	} Psyc 206 (3)	Psyc 200 level (1 1/2)
P.E. 114	—	Credit applied for	Credit applied for	Psyc 204	Psyc (3)		Both: Psyc 220 (3)
P.E. 115	—	Credit applied for	Credit applied for	Psyc 205	Psyc 351 (3)	Psyc (1 1/2)	Psyc 200 level (1 1/2)
P.E. 116	—	Credit applied for	Credit applied for	Psyc 206	Psyc 355 (3)	Psyc (1 1/2)	Psyc 200 level (1 1/2)
P.E. 201	—	P.E. 260 (1 1/2)	P.E. 143 (1 1/2)	Psyc 207	Psyc 340 (3)	Psyc (1 1/2)	Psyc 200 level (1 1/2)
Phys 101	Phys 120 (3) } Phys 131	} Phys 115 (3)	} Phys 101 (3)	Sowk 201	—	—	} Sowk 200 (3)
Phys 102	Phys 121 (3) } (2)			Sowk 202	—	—	
Phys 105	Phys 101 (3) } Phys 131	} Phys 110 (3)	} Phys 103 (3) OR	Soc 101	S.A. (3) } S.A. 150(3)	Soci 2nd year (1 1/2)	} Soci 100 (3)
Phys 106	Phys 102 (3) } (2)			Soc 102	S.A. (3) } S.A. (3)	Soci 2nd year (1 1/2)	
		} Phys 145 (3)	} Phys 102 (3) with "B" or better	Soc 201	S.A. 202 (3)	Soci 2nd year (1 1/2)	Soci 200 level (1 1/2)
				Soc. 202	S.A. 200 level (3)	Soci 2nd year (1 1/2)	Soci 200 level (1 1/2)
Phys 131	Phys (3)	—	—	Soc 203	S.A. 100 (3)	Soci 210 (1 1/2)	} Soci 200 (3)
Phys 201	Phys (3)	} Phys 214 (3)	} Phys 200 level (1 1/2) (with 203 Completed)	Soc 204	S.A. 200 level (3)	Soci 210 (1 1/2)	
Phys 202	Phys 221 (3)			Span 101	} See S.F.U. Calendar for information on the transferability Language courses	} Span 100 (3)	} Span 100 (3)
Phys 203	Phys 234 (2)	Phys 219(1) OR 239(1)	} Phys 200 level (1 1/2)	Span 102			
Phys 204	Phys 211 (3)	Phys (1 1/2)		Span 201		} Span 200 (3)	} Span 240 (3)
				Span 202			

WELDING

Certificate

Welding is an industrial art in a highly competitive field and requires a high level of physical co-ordination.

Basic metallurgy, heat treatment, blueprint reading, plate and pipe layout, applied mathematics and principles of safety are taught. Various welding procedures are applied to different types of metal.

A graduate of this program will have gained sufficient practical experience and related theory to take a welding test under the A.S.M.E Sec. IX, C.S.A.-W-47, or A.W.S. Codes. These are recognized standards of qualification acceptable to industry.

Employment opportunities occur in practically every mechanical or metal trade. Construction welders find themselves in a variety of working locations while others may remain in industrial centres.

Due to technological developments, welding equipment and techniques are constantly changing, a welder, even though employed, should constantly strive to update his skills.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV with Industrial and Mechanical courses preferred. Grade 10 or BTSD III minimum. Applicants must have good eyesight (contact lenses may not be worn while electronic welding) and hearing, be free of respiratory ailments, and be physically suited to the trade.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATE: September and October.

FEES: Tuition \$150.00
Student Association - \$25.00
Registration \$1.00

DRESS: The student must supply gloves and safety shoes.

COLLEGE CREDIT: 45 semester hours.

THE PROGRAM:

- Safety
- Types of welds
- Blueprint reading
- Pipe layout
- Testing
- Alloys
- Electricity

WELDING UPGRADING

The primary purpose of this program is to prepare students for certification in the following categories:

ASME Sec. IX, CSA-W-47, or AWS Codes.

Special courses may also be arranged in the following areas:

Downhill Pipeline

Tungsten Inert Gas (TIG) Semi-automatic Gas Metal Arc.

ADMISSION REQUIREMENTS: Welding upgrading training is confined to persons presently or recently employed in welding, who wish to improve their techniques or become proficient in special processes, or who are approved for the following certification: ASME Sec. IX, CSA-W-47, or AWS Codes.

Persons requiring Provincial Government Certification are required to apply to the Welding Inspector, Department of Public Works, for assessment of their credentials. The Inspector may stipulate a certain length of time for instruction before taking the test. The testing appointment will be arranged by the Chief Welding Instructor at the College.

LENGTH OF PROGRAM: Upgrading runs continuously and may be taken as space becomes available. Length of training time will be variable for each trainee. Maximum training period, 5 months.

FEES: Test materials and one day training \$21.00
Test Fee 3.00
Additional Training - per day 3.00
Additional Training - per week 12.00
Additional Training - per month 40.00

DRESS: Students must supply their own gloves.

THE COURSES

Each course is identified by a four digit number, for example ANTH 101-3. The first three digits identify the courses, last digit (3 above) indicates the number of credit hours the course carries.

The number in parenthesis at the end of the description indicates the number of lecture hours and lab or seminar hours per week. Thus (3,2) - 3 hours lecture and 2 hours lab or seminar per week. The letter "L" following the parenthesis indicates a lab fee.

Students may register only in those courses for which they have the specific prerequisite.

All students interested in University Transfer courses should check the transfer guide to ensure courses they are taking at CNC satisfy the requirements of the institution to which they wish to transfer.

NOTE: Detailed course descriptions, including instructor, method of evaluation, text, and the purpose of the courses are available from the Student Services Office.

ANTHROPOLOGY

ANTH 101-3 Cultural and Social Anthropology

A comparative study of cultural institutions and cultural behaviour, including such topics as social structure, folklore, language, art, religion, economics, marriage and family, and politics.

(3,0)

ANTH 102-3 Evolution of Man and Culture

An introductory survey of physical anthropology and archaeology, including such topics as the origins of man and culture, nature of race, and development of culture.

(3,0)

ANTH 201-3 Social Structure I - Ethnography

Review of structural functional theory and method. Survey of structural functional ethnographies and the examination of societies of various subsistence bases, geographical milieux, kinship organization, and political structures.

Prerequisites: Anth 101-3, 102-3, or equivalent.

(3,0)

ANTH 202-3 Social Structure II - Theory and Method

Examination of major concepts used in structural anthropology (role, social structure, institution, etc.) Use of concepts in comparative work. Examination of research techniques and research problems.

Prerequisite: Anth 201-3.

(3,0)

ART

ART 101-3 Design Fundamentals I

An introductory course in which the student is introduced to various techniques, skills and theory of design. Composition, basic design elements and development from nature are major areas covered. Applies mainly to work in two dimensions.

(2,4)L

ART 102-3 Design Fundamentals II

A continuation of Art 101-3. The course progresses with preparation for sculptural form. Use of major sculptural media are combined with technical, conceptual information.

Prerequisites: Art 101-3 or by permission of instructor.

(2,4)L

ART 103-3 History of Art I

The course is designed to familiarize the non-professional as well as the serious art students with the historical concepts that have shaped the current art situation. This introductory course examines the major developments in art from prehistoric to the Gothic.

(3,0)

ART 104-3 History of Art II

A continued survey of major art developments from neoclassical to the present day. Throughout their studies students consider the implications of world condition, social factors, etc. as they relate to the history of art.

Prerequisite: Art 103-3.

(3,0)

ART 161-3 Spinning and Dyeing

Course includes: carding on hand and drum carder, spinning on spindles and traditional and Indian-style spinning wheels, experimentation with natural and commercial dyes, study and comparison of different spinning fibres, and experiments in blending and spinning novelty fibres.

Sequential Courses: Art 176 or 168.

(1,2)L

ART 163-3 Ceramics I

A general introduction to ceramics. Each student will complete slab built and wheel thrown objects. The emphasis is on the encouragement of creative honest self-expression and good craftsmanship.

(2,4)L

ART 164-3 Ceramics II

A continuation of Art 163-3.

Prerequisites: Art 163-3 or by instructor's permission.

(2,4)L

ART 165-3 Drawing I

This course covers all abrasive and absorbant media building on gesture, line, shape, value, volume, perspective, and conceptual thought.

(2,4)L

ART 166-3 Drawing II

A continued progression of basic drawing through figured anatomical, multiple media, and all major advanced drawing approaches.

Prerequisites: Art 165-3 or by instructor's permission.

(2,4)L

ART 167-3 Basic Design in Off-Loom Techniques I

A design course structured around non-loom and primitive fibre manipulation in which students will study design fundamentals and colour theory as applied to textile design. Some areas covered will be finger weaves, knotting, macrame, primitive looms, inkle and basketry forms.

Prerequisites: Art 161-3 or permission of instructor.

(2,4)L

ART 168-3 Basic Design in Off-Loom Weaving Techniques II

A basic design course structured around primitive off-loom techniques. Students will study design fundamentals and colour theory in relation to textiles. They will receive aid and instruction in building and weaving on simple looms. Included will be an historical survey of ancient looms and weaving techniques.

Prerequisites: Art 161-3 or instructor's permission.

(2,4)L

ART 171-3 Sculpture I

A first year course exploring three-dimensional concepts, experiencing new materials and helping students develop their own means of expression.

(0,3)L

ART 172-3 Sculpture II

A continuation of Art 171-3.

Prerequisite: Art 171-3.

(0,3)L

ART 173-3 Creative Photography I

This introductory course will cover the theory and practical aspects of the black and white medium. Subject matter will include: camera handling, the use of interchangeable lenses, filters, flash, etc., basic darkroom procedures such as film processing, contact printing, enlarging, finishing, and display of prints.

(2,4)L

ART 174-3 Creative Photography II

Negative and print quality control, leading to more advanced techniques, pictorial composition, the paper negative, reduction and intensification, toning, the high contrast negative, and solarization.

Prerequisite: Art 173-3

(2,4)L

ART 177-3 Printmaking I

This course explores the various print media in a working situation. Techniques in relief and stencil-method printing are taught. Assignments are given with a view towards technical proficiency, aesthetic completeness of imagery, and contemporary and historical methods and concepts in the media.

(2,4)L

ART 178-3 Printmaking II

A continuation of Art 177-3.

Prerequisite: Art 177-3.

(2,4)L

ART 264-3 Painting I

This course covers all recognized painting preparations and processes. Both water color and oil with some acrylic medium are explored. All available contact to painting is made through use of lectures, movies, slides, and critiques.

Prerequisites: Art 166-3 or by permission of instructor.

(2,4)L

ART 265-3 Painting II

A continued development from painting basics to an advanced set

of constructions and finished paintings.
Prerequisites: Art 264-3 or by instructor's permission.

(2,4)L

ART 271-3 Weaving I

Weaving on a multi-harness loom. Basic techniques in weaving, designing, and drafting.

Prerequisites: Art 167-3 or Art 168-3.

(2,4)L

ART 272-3 Weaving II

A continuation of Art 271-3, proceeding beyond the fundamentals to a creative exploration of the potential of the multi-harness loom.

Prerequisite: Art 271-3.

(2,4)L

ART 273-3 Advanced Weaving III

This course is designed for the experienced weaver who wishes to consolidate skills and experiment with new techniques. The option is available within the course to work towards a Canadian Master's Weaving Certificate or an H.G.A. Certificate of Excellence.

Prerequisite: Art 272-3.

(2,1)L

ART 274-3 Advanced Weaving IV

This is a course designed for the experienced weaver who wishes to explore further the complexities of multi-harness weaving. This course is a continuation of ART 273-3 and explores the possibilities of texture, yarn analysis, and Summer and Winter, Crackle, Huck, Bronson and Swedish Lace, Rep, and A Warp weaves.

Prerequisite: Art 273-3.

(2,1)L

ART 281-3 Independent Study I

In cooperation with the instructor the student will plan and execute a major artistic production.

Prerequisite: Completion of all other requirements for the Fine Arts diploma, or the instructor's permission.

(0,6)L

ART 282-3 Independent Study II

A continuation of Art 281-3 that will terminate in an Exhibition.

Prerequisites: Art 281-3 and permission of the instructor.

(0,6)L

BIOLOGY

BIO 040 Advanced Preparatory Biology

A lab-oriented course dealing with the basic elements of biology. It includes study of the microscope and other research tools, the cell, classification genetics, photosynthesis and respiration, ecology evolution, human biology or, botany or zoology.

Prerequisites: Science 030 or Grade 10.

BIO 101-3 Biology for Science Majors I

This course examines the properties of atoms and molecules, cellular respiration, photosynthesis, embryonic development, hormones and physiological mechanisms.

Prerequisites: Biology 11 or Biology 040 and Chemistry 11.

(3,3)L

BIO 102-3 Biology for Science Majors II

Topics in this course include the role of science in society, the geological history of the earth in relation to life, the development of evolutionary theory and genetics. Further, taxonomy, the diversity of organisms and various aspects of social organizations are studied.

Prerequisites: Biology 11 or Biology 040 and Chemistry 11.

(3,3)L

BIO 103-3 Biology for Non-Majors I

A general biology course, less rigorous than Bio 101-3, and intended for those students not majoring in sciences. Topics studied are classical and modern genetics, origin of life and evolutionary theory, taxonomy, ecological relationships, and animal behaviour.

(3,3)L

BIO 104-3 Biology for Non-Majors II

Similar in intent to Bio 103-3. Topics covered are ecology, diversity among plants and animals, and economic biology.

(3,3)L

BIO 111-3 Human Anatomy and Physiology for Nursing I

An introductory survey of the structure and functions of the systems of man. Lecture topics include cellular biology and the skeletal, muscular, nervous and cardiovascular systems. Laboratory exercises involve histology and anatomy. This is an appropriate course for Nursing students and others who require introductory coverage of the field.

Prerequisites: Biology 11 and Chemistry 11.

(3,3)L

BIO 112-3 Human Anatomy and Physiology for Nursing II

A continuation of Biology 111-3. This course deals with the respiratory, urinary, gastrointestinal, endocrine and reproductive systems. Laboratory exercises involve the development of various physiological principles utilizing modern instrumentation.

Prerequisite: Biology 111-3.

(3,3)L

BIO 121-3 Human Anatomy and Physiology for Medical Laboratory Technology I

This course presents a broad and thorough coverage of the systems of anatomy and physiology. Lecture course emphasis is on physiological principles at both the cellular and systems level. Cellular biology and the skeletal, muscular, nervous and cardiovascular systems are covered. This course is open to students outside the Medical Laboratory Technology program, who may find an introductory course appropriate.

Prerequisites: Bio 11 and Chem 11. Bio 12 and Chem 12 are recommended.

(3,3)L

BIO 122-3 Human Anatomy and Physiology for Medical Laboratory Technology II

A continuation of Biology 121-3. Topics to be covered include the respiratory, urinary, gastrointestinal, endocrine and reproductive systems and metabolism. Laboratory exercises deal with physiological principles utilizing modern equipment and a variety of laboratory animals, both cold and warm blooded.

Prerequisite: Bio 121-3.

(3,3)L

BIO 123-3 Fundamentals of Immunology

Basic principles of Immunology are given with emphasis on medical laboratory application. The topics covered include molecular aspects of antigen and antibody, serological reactions, hypersensitive states, autoimmune diseases, tissue and tumor immunity, and immunologic deficiency diseases.

Prerequisites: Bio 11, Chem 103 and 154, or permission of instructor.

(2½, ½)L

BIO 180-2 Aquatic Biology for Anglers

Topics to be discussed include physical aspects of lakes and streams, gamefish biology, the biology of important insects and invertebrates. Instruction in basics through advanced techniques for fly-tying and basic flyfishing methods is included.

(1,2)L

BIO 201-3 Cell Structure

Beginning with experimental techniques, this course covers physical and chemical aspects of biological structure in procaryote and eucaryote cells as well as in virus particles. Additional topics include cell events (mitosis, meiosis and movement) and correlations of structural diversity with functional specialization.

Prerequisites: Bio 101-3 and 102-3; Chem 101-3 and 102-3 or 103-3 and 104-3.

Corequisite: Chem 203-3.

(3,0)

BIO 202-3 Cell Chemistry

An introductory course dealing with the chemical basis of life. This course emphasizes basic life processes; energy conversion, transfer, and storage. Cell structures are discussed from the standpoint of their roles in all aspects of energetics.

Prerequisite: Bio 201-3.

Corequisite: Chem 204-3.

(3,0)

BIO 203-3 Introduction to Ecology

The organism and its abiotic and biotic environment will be introduced followed by a more complete analysis of energy flow and the cycles of various organic and inorganic materials. Intraspecific and interspecific relationships of organisms will be developed. An introduction to the biome concept and the influence of man on his environment will be considered.

Prerequisites: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 and first year College Chemistry.

(3,0)

BIO 204-3 Introduction to Genetics

This introductory course will cover classical genetics, molecular genetics, genetics of populations and human genetics. The use of statistics in genetics will be introduced where applicable.

Prerequisites: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 and first year College Chemistry.

(3,0)

BIO 205-3 Introduction to Microbiology I

A historical perspective of microbiology, followed by topics which

will include bacterial cell structure and its relation to function, bacterial growth kinetics and a survey of the lower protists. An introduction to virology and bacterial metabolism, including environmental factors which affect microbial growth and survival will also be presented.

Prerequisites: Bio 101-3 and 102-3.

Corequisite: Chem 203-3.

(3,3)L

BIO 206-3 Introduction to Microbiology II

This course will include an introduction to the genetics of bacteria and viruses; sporulation as a form of bacterial differentiation; immunology, including both antibody and cellular responses to antigen and an analysis of host-parasite relationships.

Prerequisite: Bio 205-3.

Corequisite: Chem 204-3.

(3,3)L

BIO 207-3 Comparative Anatomy of Vertebrates

A systematic approach to the comparative anatomy of the vertebrates. Organisms exhibiting a variety of morphological advances will be dissected in the laboratory.

Prerequisites: Bio 101-3 and 102-3.

(3,3)L

BIO 208-3 Developmental Biology

A brief introduction to the principles of embryology and a survey of developmental anatomy and physiology of the vertebrates.

Prerequisites: Bio 101-3 and 102-3.

(3,3)L

BIO 209-3 A Survey of Non-Vascular Plants

A survey of algae, fungi, lichens and bryophytes. The approach of the course is to study evolutionary trends in form and function of non-vascular plants as they relate to adaptation to the environment.

Prerequisites: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 with permission of instructor.

(3,3)L

BUSINESS

BUS 151-3 Accounting I

A study of the fundamental concepts and techniques of the accounting process in proprietorships and corporations. Emphasis is placed upon the flow of information through the business and its relation to various functional areas. All material is integrated with case studies.

(3,3)

BUS 152-3 Accounting II

An introduction to basic business accounting procedures in payroll, accounts receivable, accounts payable. Paper flow analysis and work simplification. One write practice sets and paper flow chart problems are used to teach procedures and methods. A concentration on the analysis of the major balance sheet accounts—assets, liabilities, equity accounts and their relationship to the income statement. All material is integrated in a major case study. The topics covered include: cash, investments, accounts receivable, notes receivable, inventories, fixed assets, notes payable, long term liabilities, equity capital stock, and equity retained earnings.

Prerequisites: Bus 151-3 or equivalent with permission of instructor.

(3,0)

BUS 153-3 Business Fundamentals I

An introduction to Business Management. The course takes a functional overview of business, and discusses finance, marketing and production, as well as areas related to personnel. There is a brief discussion of management and general management concepts, as well as a brief overview of the legal forms of business organizations and bankruptcy law. Basic techniques for problem definition and analysis will be introduced in the course, and the student will start to apply these ideas through the preparation of business cases.

Students are introduced to an ongoing business computer-based decision-making game which requires application of ideas learned in the course.

(2,2)

BUS 154-3 Business Fundamentals II

There are three main parts to this course, all of which will bring the student into direct contact with the business community or a decision making situation. All three will require that the student apply theory and techniques from Bus 153-3. Part I of this course is a Market Research project and an Industry Analysis Project, both carried out in the field. Part II involves weekly participation in decisions in a computer simulation of companies in competition with each other (Introductory Business Management Simulation). Both Part I and Part II are carried out in teams. Part III will be a series of weekly guest speakers in a Career Information Program designed to give the student additional insight into careers in business.

Prerequisites: Bus 153-3 or instructor's permission.

(2,2)

BUS 156-3 Office Systems and Procedures II

An introduction to basic business accounting procedures in payroll, accounts receivable, accounts payable. Paper flow analysis and work simplification. One write practice sets and paper flow chart problems are used to teach procedures and methods.

Prerequisites: Completion of high school courses: Bookkeeping 11 and 12.

(3,0)

BUS 251-3 Intermediate Accounting I

A sound knowledge of fundamental accounting principles is essential to deal with the concepts presented in this course. The emphasis is on solving problems related to financial statements, cash, marketable securities, accounts receivable, current liabilities, inventories, plant and equipment, and intangible assets.

Prerequisites: Bus 152-3 or equivalent with permission of instructor.

(3,0)

BUS 252-3 Intermediate Accounting II

The analysis of the balance sheets accounts, which was started in Bus 251-3, is concluded with coverage of shareholders' equity, long-term liabilities, and long-term investments. Other topics include: accounting for income taxes, accounting changes, statement analysis and price-level and fair-value accounting.

Prerequisites: Bus 251-3 or equivalent with permission of instructor.

(3,0)

BUS 253-3 Cost Accounting I

An introduction to managerial accounting. Emphasis is placed on cost for planning and control and includes the following topics of prime managerial significance: Conceptual framework of management accounting, Cost-Volume-Profit relationships, Job-order costing, process costing, labour costs; control and accounting, Standard costs: direct material and direct labour, flexible budgets, and managerial cost reports.

Prerequisite: Bus 152-3.

(3,0)

BUS 254-3 Cost Accounting II

A continuation of Bus 253-3, Cost Accounting I. Topics covered include: accounting systems, standard cost analysis of overhead variances, responsibility accounting, Budgeting/profit planning, inventory planning, control, valuation, joint-product costs and by-product costs, direct costing and the contribution approach, decentralization, including the measurement of performance transfer pricing, sales mix, production mix, and yield variances.

Prerequisites: Bus 253-3 or permission of instructor.

(3,0)

BUS 255-3 Principles of Management

An analysis of management functions including planning, organizing, staffing, directing, coordinating and controlling. Through classroom discussions and case analysis the student is able to integrate the principles of management with organizational situations. The process of decision making is also covered in this course as well as management by objectives and other techniques of management.

Prerequisites: Second year enrollment or permission of instructor.

(3,0)

BUS 257-3 Financial Management I

An introduction to the application of financial tools to analyse the internal operations of the business enterprise with the objective of measuring performance and assisting management decision-making. The topics covered include: Ratio analysis, break-even analysis, financial forecasting, cash budgeting, management of cash and marketable securities, investment in accounts receivable - credit management, investment in inventories, capital budgeting, term loans and leases.

Prerequisites: Second year standing or permission of instructor.

(3,0)

BUS 258-3 Financial Management II

Sources and forms of short-term financing for both large and small businesses are studied. The topics covered: Trade credit and current asset financing, bank financing, term loans, cost of capital, long term securities market, long term debt, financial leverage, warrants and convertibles, preferred stock, common stock, and dividend policy.

Prerequisite: Bus 157-3.

(3,0)

BUS 261-3 Credit and Collections

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

(3,0)

BUS 262-3 Purchasing

A comprehensive course covering all phases of the purchasing function. Quality, specifications, standardization, the right source of

supply, the right price, negotiation, receiving, and inventory control methods.

(3,0)

BUS 265-3 Business Policy

An examination of the process of strategy and policy formation in business and organizations of all types, though the emphasis will lie toward the smaller, medium-sized enterprise. This course deals with policy decisions in all areas of business - marketing, personnel, and finance. Extensive use will be made of business cases, with many drawn from the local community. Readings, films, and guest lecturers will be an important part of the course.

Prerequisites: Second year standing, or instructor's permission.

(3,0)

BUS 266-3 Small Business Management

A specialized course dealing with topics of interest to those involved in small businesses. Small business finance, marketing, production, and personnel problems will be discussed, as well as special interest areas such as insurance, time management, purchasing, receivables management, and so on. Extensive use of cases and guest speakers.

Prerequisites: 1st year standing or instructor's permission.

(3,0)

BUS 268-3 Human Relations in Business

This course is designed to develop an awareness of factors and skills in interpersonal relations. Factors in human relations will be explored through a careful examination of selected topics in personality and social psychology: e.g. roles, identity, motivation, attribution, social learning theory, altruism. Human relations skills will be examined through practice in a laboratory setting.

(3,0)

BUS 270-3 Advanced Accounting

Topics covered include: consolidations, changes of price levels and financial reporting, replacement costs and financial reporting, foreign operations, re-organizations and liquidations.

Prerequisites: Bus 252-3 or instructor's permission.

(3,0)

BUS 271-3 Marketing I

An introduction to the marketing function of the firm and basic marketing concepts. The course then examines the following topics: marketing research, consumer motivation and behaviour, product planning, development, and distribution. Throughout the course, emphasis will be placed upon the application of concepts and perspectives to selected marketing cases.

(3,0)

BUS 272-3 Marketing II

An in-depth examination of pricing policy, promotional policy, advertising policy, and the management of personal selling. Following this section, the course then examines the marketing of services and international marketing with an examination of overall marketing policy determination and methods of evaluating marketing programs. The discussion of marketing cases is an integral part of the course.

Prerequisite: Bus 271-3.

(3,0)

BUS 274-3 Organizational Behaviour

A multidimensional approach to understanding the human problems of business organizations. The areas of determinants of behaviour, actual behaviour and the consequences of behaviours are examined in detail with the objective of improving skill at diagnosing behavioural situations. Specific topics include group behaviour, individual behaviour, leadership, communication and introduction of change.

(3,0)

BUS 275-3 Personnel Administration

A detailed examination of the many responsibilities of the personnel practitioner including interviewing, manpower planning and development, salary and wage administration, organizational development, personnel placement and selection, administration of employee benefits, safety and labor/management relations. The emerging role of the personnel department in relationship to employee productivity is also emphasized.

Prerequisites: Second year standing or permission of instructor.

(3,0)

BUS 276-3 Interviewing and Counselling

This course will be of particular interest to personnel people and those in supervisory positions, but will also be of help to those engaged in counselling. The varied techniques of counselling will be studied including group counselling and non-directive interviewing. The participants will be exposed to role playing and other practical exercises in order to practice the varied techniques.

Prerequisites: Second year standing or business experience and instructor's permission.

(3,0)

BUS 277-3 Industrial Relations

A review of the history and current status of Industrial Relations in Canada with particular emphasis on the roles assumed by labour unions, management, and government bodies in the collective bargaining process. Grievance procedures, administration of collective agreement, arbitration, mediation, strikes, lockouts, and provincial labour codes are discussed in detail along with anti-inflation and the resolution of conflict.

(3,0)

BUS 278-1 Retail Merchandising

A study of merchandising principles, practices and processes in Canadian marketing. The course studies the consumer, buying methods, and sources of supply, selling, sales promotion methods and media, inventory control.

(1½,0)

BUS 293-3 Business Law

A general survey of business law with emphasis on contract law, the contract of sale, bailment, principal and agent, the contract of employment, and negotiable instruments.

(3,0)

CHEMISTRY

CHEM 040 Advanced Preparatory Chemistry (11-12)

This course covers such topics as: atomic theory and structure, periodic table, nomenclature, chemical bonding, mole and weight relations, acids, bases and salts, oxidation-reduction, solutions, gas laws, equilibrium, organic and bio chemistry, nuclear chemistry and environmental chemistry. Lab work is a necessary and integral part of the course.

Prerequisites: Chem 030 or Grade 10 Chemistry.

CHEM 101-3 Fundamentals of Chemistry I

This course includes thermodynamics, a quantitative discussion of equilibria and ionic solutions, and reaction kinetics.

Prerequisites: Chemistry 12 or equivalent.

(3,3)L

CHEM 102-3 Fundamentals of Chemistry II

A discussion of modern bonding theories and applications to molecular structure, followed by an introduction to organic chemistry and biochemistry.

Prerequisites: Chemistry 12 or equivalent.

(3,3)L

CHEM 103-3 Introduction to Chemistry I

With Chem 104-3, this course constitutes a first-year course for students without Chemistry 12. The course is primarily intended for students whose major areas such as forestry, home economics, etc., require 1 or 2 years of chemistry. The topics to be discussed include: chemical calculations, pH and equilibrium, and oxidation and reduction.

Prerequisites: Chemistry 11 or permission of instructor.

(3,3)L

CHEM 104-3 Introduction to Chemistry II

With Chem 103-3, this course constitutes a first-year general chemistry course. Topics discussed include bonding, structure and organic chemistry.

Prerequisites: Chemistry 11 or Chem 103-3.

(3,3)L

CHEM 154-3 Chemistry for Medical Lab

Analytical, organic, and biological chemistry for medical lab. technology students.

Prerequisite: Chem 103-3.

(3,3)L

CHEM 201-3 Physical Chemistry

This course comprises a discussion of the laws of thermodynamics followed by a treatment of the equilibrium thermodynamics of gases and solutions.

Prerequisites: Chem 101-3 or 103-3.

(3,3)L

CHEM 202-3 Inorganic and Coordination Chemistry

The chemistry and structure of coordination compounds are discussed in this course. Quantum mechanics methods and results are introduced.

Prerequisites: Chem 102-3 or 104-3.

(3,3)L

CHEM 203-3 Organic Chemistry I

The course provides an introduction to organic chemistry. A survey of structure and reactivity for the major functional groups is followed by an introduction to analysis and structure determination. A major topic on chirality and conformational analysis is included. Laboratory experience includes an introduction to synthetic methods and infrared spectroscopy.

Prerequisites: Chem 102-3 or 104-3.

(3,3)L

CHEM 204-3 Organic Chemistry II

Mechanism and synthesis are discussed as central themes in organic chemistry. This course surveys substitution, addition, elimination, rearrangement and oxidation-reduction reactions for the functional groups introduced in Chemistry 203. Additional topics in carbonyl and carbohydrate chemistry are included, as is an introduction to nuclear magnetic resonance. Laboratory experiments provide experience in contemporary synthetic methods and gas chromatography.

Prerequisite: Chem 203-3.

(3,3)L

CLASSICS

CLAS 101-3 Greek Literature in Translation

A study of some of the major works for classical Greek drama, epics, history, and philosophy.

(3,0)

CLAS 102-3 Latin Literature in Translation

A study of some of the major works of classical Latin poetry, history, drama, and philosophy.

(3,0)

COACHING

COAC 151-2 The Physiological Basis of Sport

This course provides coaches with skills that will allow them to analyze the physiological needs of their athletes, and to plan more effective training sessions that will result in desired change, and ultimately improve performance.

(3,0)

COAC 154-2 Principles of Coaching

The course is designed to offer coaches of all sports and levels the specialized knowledge required to assume a more professional approach to the coaching role. The course will help the inexperienced coach to understand the fundamentals of coaching, and enable the more seasoned coach to improve his/her skills by acquiring the most recent coaching principles.

(3,0)

C.N.C. COURSES (Study Skills)

C.N.C. 151-0 Notetaking

This program aims at developing a systematic habit of reading textbooks and listening to lectures, an organized method of note taking and note review, and a strengthened sense of the structure of communication.

C.N.C. 152-0 Writing Skills (Research and Essay)

This course is designed to meet the needs of students who wish to improve their skills in the essay and research form. The areas covered include methods of essay organization and skills needed to do efficient research. Students are encouraged to bring specific research problems to the tutorial. The desire for clear, concise, factual content in essay writing is stressed. Instructors may refer students to this course and assign topics which may be used to meet the requirements of both this course and their own.

C.N.C. 153-0 Speed Reading

This course enables the student to increase his rate of reading and comprehension. This is a proven College Program that utilizes technical and semi-technical material.

C.N.C. 154-0 Directed Studies

An individual approach enabling students to improve study habits, writing, reading, and all areas of learning. This is achieved through peer contact and counselling involving the study skills and counselling instructors. Attendance in this course is a requirement for all students on probationary status.

C.N.C. 155-0 Study Management

A mini course to be given during orientation and throughout the school year. Areas to be covered either partially or in their entirety are: Study management - Major course related skills - Auxiliary course skills - Attitudes, interests and habits.

COMMERCE

COMM 201-3 Accounting

An introduction to income determination for accounting purposes including a review of various balance sheet accounts and their relationship to the income statement. Financial statement presentation and analysis are also considered. Students planning to transfer to Commerce at U.B.C. must take this course in their second year.

(3,0)

COMM 203-3 Business Fundamentals

An introductory course concerned with Canadian business. The Canadian business system and environment are covered, as are the major functional and decision areas within the firm (i.e. Finance, Marketing, Personnel, Production, and Management). Lectures and discussions. Discussions will be on current articles concerning Canadian business, and current Canadian business cases.

(3,0)

COMM 207-3 Business Statistics I

An introduction to probability and statistical inference with applications to Business, Economics, and Industry.

Prerequisites: Math 102-3 or Math 103-3 and 104-3

(3,0)

COMM 208-3 Business Statistics II

A continuation of Comm 207-3.

Prerequisites: Math 207-3 or Comm 207-3.

COMPUTER SCIENCE

See Math 109-3 and Math 110-3 and also Electronic Data Processing Program.

CONSTRUCTION

CONS 150-2 Introduction to the Construction Industry

This course will be primarily field trips and visits to many types and sizes of construction projects. The purpose is to expose students to the many diversified areas in the construction business so that they can relate their course of studies to the practical application. Students will be required to submit reports on each of these trips which will be graded for material content and grammar construction as part of Engl 151-3 course.

Corequisite: Engl 151-3

(0,2)

CONS 151-3 Materials and Applications I

In order to plan and supervise a construction job, a person must have detailed knowledge of the materials which are used in today's industry, their costs and how they are used. This course examines soils, concrete, masonry and steel. The lab portion enables students to conduct actual soil tests and to cast concrete test cylinders.

Corequisite: Cons 150-3.

(3,2)

CONS 152-3 Materials and Applications II

This course is a continuation of CONS 151-3. The main topics are: wood framing, insulation requirements, drywall, flooring, plastics, painting and roofing. A brief introduction to mechanical and electrical systems will also be included.

Prerequisite: Cons 151-3.

(3,2)

CONS 161-3 Construction Science I

Applications of mechanics to the construction industry. Topics include stress, strain, moments, introduction to design, fluids, work, and energy.

Prerequisite: Math 150-3.

(3,2)

CONS 261-3 Estimating and Bidding I

This course deals with basic fundamentals of building construction estimating; emphasis is on accurate, systematic quantity take-offs. This course will integrate knowledge and understanding gained during the first two semesters of the Construction Program.

Prerequisites: Draf 154-3 or permission of instructor.

(2,2)

CONS 262-3 Estimating and Bidding II

This course applies the techniques learned in Cons 261-3, to prepare a relatively large construction project estimate. The results of this estimate will be used to prepare and submit a bid in accordance with the present practices in the industry.

Prerequisite: Cons 261-3.

(2,2)

CONS 263-3 Construction Science II

Topics include electricity, heat, sound, light, and other topics related to construction practices.

Prerequisite: Cons 161-3.

(3,2)

CONS 265-3 Construction Law

The purpose of the course is to introduce the students to the fundamentals of law, to acquire the basic knowledge of contract law in order to avoid legal problems and to know when advice is necessary. Standard contracts pertaining to the construction industry are also studied.

(3,0)

CONS 266-3 Roads and Excavations

This is a study of the engineering methods used to lay out and build good access roads. The student actually lays out, surveys and designs a road making use of a mass diagram. Proper choice of earthmoving equipment is studied as well as methods used to estimate equipment productivity. The impact of roads on the environment and proper culvert design and installation is emphasized.

(3,3)

CONS 271-3 Construction Strength and Design I

This is an introductory course, utilizing the knowledge gained in Cons 161-3, to design beams, columns and pin type structures for construction in wood and steel.

Prerequisites: Math 151-3 and Cons 161-3.

(2,2)

CONS 274-3 Management Operations

The student will learn the importance of a well organized construction company office. Topics to be discussed include organization, staffing, evaluation, bookkeeping, cost accounting and cost control.

(3,0)

CONS 281-3 Construction Strength and Design II

This is a continuation of Cons 271-3 using the basic design techniques for design work with reinforced concrete, steel and foundation walls in addition the building codes are reviewed to show how design work must conform to the given code.

Prerequisite: Cons 271-3.

(3,0)

CONS 282-3 Project Operations

An overview of the duties of the Superintendent in the role of manager with emphasis on project preplanning, scheduling, and communications. The duties and functions of a superintendent in his role as a manager are stressed. The lab portion of the course consists of weekly 2 hour trips to various job sites and a 1 hour discussion or film relating to construction projects.

(3,3)

CONS 283-3 Construction Equipment

A study of the economics of equipment costs in relationship to rentals, purchases or dispositions of equipment used in the industry are studied with emphasis on the importance of maintenance and components of the equipment.

(3,0)

CONS 284-3 Building Services

This includes the services that the general contractor supplies such as water, sewage and drainage and the building services that are done by the electrical and mechanical trades - electrical heating and air conditioning, plumbing and refrigeration.

Prerequisite: Second year standing in Construction Technology.

(3,0)

CONS 290-1 Summer Essay

A report on the summer's work experience will be required by those entering the third semester. A report outline will be discussed in detail with the students prior to the end of the second semester. This is not a difficult assignment; it is meant to encourage the student to observe and record what happens on a job site. The results of this report will be used later in Cons 282-3.

CONS 291-2 Construction Project I

This course deals with the practical application of the construction technology by having the students undertake a building project. In this project the students learn the correct methods of using the tools of the building trade and the interrelation between the construction trades.

(1,3)

CONS 292-2 Construction Project II

A continuation of Cons 291-2.

Prerequisite: Cons 291-2.

(1,3)

DRAFTING

DRAF 153-3 Drafting Fundamentals

This course includes basic Drafting techniques, as well as the use of the relevant equipment. It is designed to provide a good base for preparation of simple plans and details.

(1,3)L

DRAF 154-3 Drafting and Interpretation

A continuation of the Drafting techniques introduced in Draf 153-3 with added work on interpretation of various types of construction plans, and specifications. Emphasis shall be on interpretation.

Prerequisite: Draf 153-3.

(2,2)

EARLY CHILDHOOD EDUCATION

ECE 151 Child Growth and Development

The study of human development during the formative years: conception to age seven. All aspects of development and major theories of development are discussed. Emphasis will be on the interaction between heredity and the environment as it affects development.

(4,0)

ECE 153 The Child in Society

A study of the interrelationship between the home, the school and the community. The influence of social conditions on the child and his/her family is discussed. Attention is given to effective parent-teacher communication and cooperation with family and child oriented community resources.

(4,0)

ECE 154 Philosophy of Early Childhood Education

A study of the major historic and current theories of Early Childhood Education and the practices that have evolved from these theories. Curriculum and planning for early childhood centres and skills for working effectively and sensitively with young children are presented.

(4,0)

ECE 165 Program Development

Curriculum for young children is studied in depth. Curriculum areas covered are art, music, movement, science, math, social studies, language and literature. Workshops for preparation of materials and practice with projects are included. The student becomes actively involved in the daily program for an early childhood centre.

(3,1)

ECE 170 Observing and Recording Behaviour

Directed observation of young children in child care centres, nursery schools and kindergartens. Methods for accurately and objectively observing and recording child behaviour will be studied and practised.

(10,0)

ECE 172 Health, Safety and Nutrition in the Preschool

The study of health, nutrition and safety needs of young children. Emphasis is on healthful practices in the preschool and nutritious menu planning for child care centres. Students will receive full, certified first aid training oriented for the preschool child.

(2,0)

ECE 190 Practicum I

Practical experience in working with young children under the guidance of qualified supervisors in day care centres, nursery schools and kindergartens. Students plan and implement learning activities.

ECE 199 Practicum II

Advanced supervised experience in working with young children. Students activity participate in program planning and implementation in their practicum centres.

Prerequisite: Practicum I.

ECONOMICS

ECON 101-3 Introduction to Economics

This course acquaints students with the basic concepts and vocabulary of economics. Areas of study include money, inflation, full-employment, investment, business cycles, pricing and costs.

(3,0)

ECON 102-3 Canadian Economics Issues

This course reviews current issues. Some of the topics are taxation, governmental economic policies, domestic and foreign investment, foreign trade problems and labour. Readings in current periodicals, publications of the Economic Council of Canada, current statistical publications, and other assigned readings form part of the material in this course.

Prerequisites: Econ 101-3 or permission of the instructor.

(3,0)

ECON 111-3 Economic History I

A study of Economic History up to the Industrial Revolution.

(3,0)

ECON 112-3 Economic History II

A study of economic history from the Industrial Revolution to the present.

(3,0)

ECON 151-3 Introduction to Economics

The basic concepts and vocabulary of economics. Areas of study include money, inflation, full-employment, investment, business cycles, pricing and costs.

(3,0)

ECON 152-3 Canadian Economic Issues

This course reviews current issues. Some of the topics are taxation, governmental economic policies, domestic and foreign investment, foreign trade problems and labor. Readings in current periodicals, publications of the Economic Council of Canada, current statistical publications, and other assigned readings form part of the material in this course.

Prerequisites: Econ 151-3 or permission of instructor.

(3,0)

ECON 201-3 Principles of Economics – Macroeconomics

This course explores the forces affecting an economy. The motivations and interactions of households, the business sector, government, and foreign sectors are emphasized. The role of money in a modern economy is dealt with at length.

Prerequisite: First year Math.

(3,0)

ECON 202-3 Principles of Economics -Microeconomics

An examination of the concepts in the words "demand and supply". Components of demand by both firms and households are analyzed. A theory of pricing in different market structures is developed in conjunction with the derivation of costs to firms.

Prerequisite: First year Math.

(3,0)

EDUCATION

EDUC 161-3 Introduction to Art Education in the Elementary Classroom

Introduction of art education into elementary school programming; exploration of all basic materials; classroom organization and strategies to motivate students will also be covered. Community resources will be used wherever possible.

(1,2)L

ELECTRONIC DATA PROCESSING

EDP 151-3 Data Processing Fundamentals

An introduction to the development of data processing and the perspectives and issues associated with it. An orientation to the computer and an insight into the impact that computers have had on society. An introduction to the solution of problems, using flowcharting and programming of the computer. Laboratory procedures include filing procedures, equipment and systems, and accounting forms and routines in control, purchasing and sales.

(3,3)L

EDP 152-3 Computer Programming I

An introduction to the principles of programming. This course concentrates on the RPG II programming language, based on a modular learning method, with "hands on" computer experience. Flowcharting, coding, testing, debugging, and documenting several applications of increasing complexity will be included. Prerequisite: EDP 151 preferred.

(3,3)L

EDP 155-3 Fortran Programming

An introduction to the computer, machine operation, and data processing techniques. Flow-charting and problem definition are described preliminary to programming in the Fortran language. Several programs will be given to teach the language and to illustrate the capability of the computer.

(3,3)L

EDP 157-3 Introduction to Data Processing for Medical Lab. Technologists

Data Processing functions are taught and practised on unit record equipment. Computer programming fundamentals, flowcharting, and solution algorithms are taught. Students will write and test programs.

(3,3)L

EDP 251-3 Computer Programming II

The programming of a computer is usually done using a high level language. The most commonly used computer language is COBOL (Common Business Oriented Language). Using COBOL, students will study the fundamentals of business computer programming.

Prerequisites: EDP 152-3 or Computer Programming Course.

(3,3)L

EDP 252-3 Computer Programming III

A study of advanced business computer programming. The use of disk files and of different disk file organizations will be examined through realistic programming assignments. The advanced features of COBOL will be used. The course will expose the student to the intricacies of J.C.L. (Job Control Language).

Prerequisites: EDP 251-3 (or previous COBOL course).

(3,3)L

EDP 253-3 Systems Analysis

An introduction to the methods used in designing systems. Problem definition, making a proposal, the full systems study, designing a new system, cost comparison, selling the system, implementing, documenting and follow up evaluation.

Prerequisites: EDP 151-3 or permission of instructor.

Corequisite: EDP 255-3 is suggested.

(3,1)

EDP 254-3 Systems Design

A continuation of EDP 253-3 which concentrates on the design of a systems flowcharting, forms and records design, controls and audit trails, procedures, user documentation and operating handbooks. The student will learn by designing an actual system project and creating all the necessary reports and documentation.

Prerequisites: EDP 253-3 or permission of the instructor.

(3,1)

EDP 255-3 Business Uses of the Computer

The course will cover some of the most often encountered business computer applications, such as: payroll, accounts payable, and general ledger. The techniques for conducting a feasibility study for proposed computer applications are studied. Case studies will be used to illustrate the topics.

Prerequisites: EDP 152-3 or computer course preferred.

(3,0)

EDP 256-3 Managerial Computer Applications

Increasingly, management utilizes the computer to apply Management Science techniques in the analysis of business problems. In this course the student will examine advanced applications through the use of pre-programmed computer packages. The topics will include critical path, linear programming, simulation, and forecasting. Case studies will add to the student's comprehension of these topics.

Prerequisite: At least one computer course.

(3,1)L

EDP 257-3 Management Information Systems

The objective of this course is to provide a comprehensive framework for those seeking an understanding of management information systems (MIS) and their utilization in business, industry and government. As a pragmatic course it will help students to realize the potentials and limitations of MIS. Several real life cases will be studied to emphasize the major topics.

(3,0)

NOTE: See also Computing Science courses listed under Mathematics.

ENGLISH

ENGL 009 English as a Second Language - Beginner

Emphasis of this course is on spoken English. The student will learn to speak and understand English for everyday use and to read and write at a functional level.

ENGL 010 Basic Literacy

This course covers language skills including phonics, vocabulary and reading development up to the Grade 4 level.

ENGL 019 English as a Second Language - Intermediate

The intermediate class is designed to advance the speaking, writing and reading skills of those who already have a basic knowledge of English or have taken the English as a Second Language Beginner's course.

ENGL 020 Basic Preparatory English

A refresher course in English including fundamental skills in reading, writing and grammar.

Prerequisite: Basic Literacy in English - Engl 010.

ENGL 030 Intermediate Preparatory English

Course topics include paragraph and theme writing, reading skills, business letters, composition, and literature.

Prerequisites: Engl 020 or Grade 9 English.

ENGL 040 Advanced Preparatory English

This course is a continuation of Engl 030 and includes advanced grammar, sentence structure, paragraph and theme writing, research and report writing, oral presentations, and reading skills.

Prerequisites: Engl 030 or Grade 10 English.

ENGL 041 Advanced Reading and Writing

This course is a study of recent literature in the short story form. It will also include essay writing on selected subjects.

Prerequisites: Engl 030 or Grade 10 English.



ENGL 055-3 Remedial English

This course is intended for students needing remedial instruction in the basics of English writing skills. The course shall provide a systematic review of English grammar as well as an introduction to the expository essay and other prose styles. Short papers will be assigned weekly and shall serve as the major focus of course content.

(3,0)

ENGL 101-3 Literature and Composition I

A study of the 20th Century short story and drama, and a consideration of current language practices, together with a program of writing.

(3,0)

ENGL 102-3 Literature and Composition II

Reading of 20th Century poetry and novels, a study of the principles of composition, and a program of student writing.

(3,0)

ENGL 103-3 Composition and Style

A study of grammar, composition, and style. Students are required to submit at least five essays plus a variety of writing assignments or exercises dealing with specific problems in essay writing.

(3,0)

ENGL 151-3 Effective Communication I

A course in communication for career students that emphasizes report writing. Students will be given extensive practice in planning technical and business reports, writing clear and concise English, gathering information from libraries, questionnaires, and interviews, and presenting reports in the proper format.

(3,0)

ENGL 152-3 Effective Communication II

A continuation of Engl 151-3. Some additional practice in letter writing, speaking, and audio-visual communications will be provided.

(3,0)

ENGL 161-3 Film Appreciation

Masterpieces of international cinema will be screened and discussed, and readings in the history, theory and analysis of film will be assigned.

(1,2)

ENGL 165-3 Creative Printing I

Engl 165-3 is a workshop course designed to acquaint the student with the principles and fundamentals of letterpress printing.

(0,3)

ENGL 166-3 Creative Printing II

A continuation of Engl 165-3.

Prerequisites: Engl 165-3 or permission of instructor.

(0,3)

ENGL 201-3 English Literature, 1350-1688

A survey of English Literature from Chaucer to Milton based on a selection of poetry from major authors. Students are asked to submit at least three essays on literary topics.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 202-3 English Literature, 1688-1900

A survey of English Literature from Dryden to Hopkins based on a selection of works from major authors. Students will submit at least three essays on literary topics.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 203-3 Canadian Literature I

An introduction to the study of Canadian Literature involving writers from the beginning to the 1940's. Journals, poetry, fiction, and satire will be included.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 204-3 Canadian Literature II

A study of the development of poetry, fiction, drama, essays, biography, and satire from 1940 to the present.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 205-3 Creative Writing I

This workshop course is for students with a special interest in original creative expression. Students will submit their own written work (poems, short stories, or plays) for class discussion and comment.

Prerequisite: Permission of instructor.

(3,0)

ENGL 206-3 Creative Writing II

A continuation of Engl 205-3.

Prerequisite: Permission of instructor.

(3,0)

ENGL 209-3 Survey of American Literature I

A study of some major works of American Literature from the beginning to the end of the nineteenth century. Students will be asked to write at least three essays on literary topics.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 210-3 Survey of American Literature II

A study of some major works of American Literature from 1900 to the present. Students will be asked to submit at least three essays on literary topics.

Prerequisites: Two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 211-3 Shakespeare:

Comedies and History Plays

A detailed study of some of Shakespeare's major comedies and history plays. Students will be required to submit at least two essays.

Prerequisites: Any two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 212-3 Shakespeare:

Tragedies and Last Plays

A detailed study of Shakespeare's major tragedies and last plays. Students will be required to submit at least two essays.

Prerequisites: Any two of Engl 101-3, 102-3, 103-3.

(3,0)





ENGL 213-3 Short Fiction I

A survey of the short story and novella from Poe to Lawrence. Students will be asked to write at least three essays on literary topics. Prerequisites: Any two of Engl 101-3, 102-3, 103-3.

(3,0)

ENGL 214-3 Short Fiction II

A survey of the short story and novella from Kafka to the present. Students will submit three essays on literary topics. Prerequisites: Any two of Engl 101-3, 102-3, 103-3.

(3,0)

FORESTRY

FOR 150-3 Forestry Orientation

This two week course is designed to introduce the student to the basic concepts of forest technology. Emphasis is placed on survival, first aid, water safety, mechanical equipment uses and maintenance, safe working practices and field trips relevant to the program.

(0,3)

FOR 154-3 Forest Products II

The manufacture of minor forest products such as shingles, hardboards, particle boards, etc., plus specialty products are covered in this course. More specific detail is provided on veneer, plywood, and paper manufacture. This course will also cover the microscopic identification of commercial woods.

(2,2)L

FOR 155-3 Forest Science I

This course introduces the student to the broad field of forestry and forest management and emphasis on forestry concepts and terminology, the forest tenure system in B.C., and the importance of the forest industry. Most of the semester is spent on dendrology, with emphasis on identification of B.C. trees and plant indicators, silvics of B.C. trees and autecology (factors affecting tree growth). Also covered are Forest Regions of Canada and the Biogeoclimatic zones of B.C.

(2,2)L

FOR 156-3 Forest Science II

In the second semester, emphasis is on botany, with a general review of the plant kingdom (with particular reference to forest ecosystems) and basic plant anatomy and physiology (with emphasis on tree structure, growth, and reproduction). This is followed by forest site, range botany and basic soils. The forest science course is basic to most second year courses in Forest Resource technology.

Prerequisite: For 155-3.

(2,2)L

FOREST 157-3 Forest Soils and Ecology

This course is basic to an understanding of forest productivity with applications in silviculture and engineering. Topics covered are landforms and soil formations, physical and chemical properties of soils, description of profiles, soil classification systems, site classification, (biogeoclimatic zones), synecology, ecosystem dynamics, succession, and ecological impact of forestry practices. Field exercises will emphasize classification and mapping of soils and forest ecosystems.

(2,2)

FOR 161-3 Forest Measurements I

A field-oriented course involving the theory and practice of forest-sampling and log scaling procedures, the study of surveying instruments and the development of skills in their use. Field notekeeping, mapping and drafting are given special emphasis. The construction and use of tables and graphic techniques both for reference and summarization of data is emphasized.

(3,3)L

FOR 162-3 Forest Measurements II

Statistics and their application to control sampling error. Methods of volume and data compilations. Extensive field application of sampling and surveying procedures, with emphasis on notekeeping, accuracy, and completion of forest type and contour maps.

Prerequisites: For 161-3, 171-3 and 173-2.

(3,4)L

FOR 165-3 Fire Control I

Fire behaviour as it is affected by weather, topography and fuel types. Weather instruments, fire weather and the Canadian Fire Weather Index System are studied in detail to understand fire management concepts. Slash burning techniques, use of water and fire pumps, domestic and industrial fire fighting methods are also included. Woods safety is stressed throughout the course.

(2,2)L

FOR 166-3 Fire Control II

Fire suppression techniques, including use of water, bulldozers, skidders, rotary and fixed wing aircraft, air tankers and chemical retardants. Initial attack and fire crew organization, detection, communications and presuppression planning are covered in detail. Part IX of the Forest Act and Regulations are covered. Fire suppression methods and concepts are studied through fire simulation exercise.

Prerequisite: For 165-3.

(2,2)L

FOR 171-3 Photogrammetry I

Photogrammetry involves the interpretation of information from air photographs. The mathematics necessary to read distances, areas and tree heights forms a major part of the course. Mapping and the specialized instruments required for this purpose are studied. The development of drafting skills is also emphasized.

(1,3)L

FOR 172-3 Photogrammetry II

For 172-3 emphasizes the use of photographs in mapping, value estimation, logging layout, and forest protection. Drafting skills are further developed.

Prerequisite: For 171-3.

(1,3)L

FOR 173-2 Forest Drafting I

This course introduces the student to basic drafting skills, printing, the use of lettering guides and symbols, mapping for logging production, and the use of photographs for updating maps.

(1,2)L





FOR 174-2 Forest Drafting II

Three main drafting assignments involving logging layout, road profiling and timber bridge design will be given the second term. This course is developed to complement the Photogrammetry course (For 172-3) which is taught concurrently.

Prerequisite: For 173-2.

(1,2)L

FOR 199-3 Field School

A two week field trip to the coast forest region in Vancouver and Vancouver Island. Highlights of the trip will include research facilities both within the B.C. and Federal Governments, forest nurseries, U.B.C., coastal logging operations, sawmills and specialty mills.

FOR 251-3 Forest Management I

An overview of forest management in B.C. with emphasis on the Central Interior. Topics covered are management history, forms of tenure and administration, utilization, inventory, sustained yield principles and allowable cut calculations. The Forest Act, organization of the B.C. Forest Service, and forest product companies are also examined.

(2,2)

FOR 252-3 Forest Management II

Emphasis is placed on integrated resource management of forest lands. Topics covered are: land use planning, hydrology, fish and wildlife, range management, recreation and their interreaction with forest harvesting. A resource folio is compiled covering an actual forest area in conjunction with other courses.

Prerequisites: For 251-3, For 253-3.

(2,3)L

FOR 253-3 Silviculture I

Silviculture is the application of basic tree biology to the growing, harvesting and reproduction of trees. The student will concentrate on silvics, forest soils, basic forest ecology, and the ecological classification of B.C. (Krajina's Biogeoclimatic Zones). Lab exercises will include regeneration surveys, planting practices, survival assessment and plant indicators.

Prerequisites: For 156-3, For 162-3, For 166-3, For 174-2.

(2,3)L

FOR 254-3 Silviculture II

This is a continuation of the basics covered in For 253-3. Topics include tree seed, direct seeding, site preparation, planting, nursery practices, site assessment, cultural practices, tree improvement, silvicultural systems, and the ecological impact of forestry practices. Emphasis will be on the basic field skills required to cope with the accelerated reforestation program in B.C. A three-day course on pesticides will lead to the "Pesticide Applicator's Certificate"

Prerequisite: For 253-3.

(3,2)L

FOR 255-3 Forest Entomology

The student will obtain a practical working knowledge of insect and disease agencies which affect forest trees. The first semester will concentrate on the habits and economic significance of the most important insect pests in B.C. Stress will be placed on detection, evaluation of damage and control measures, including the effects of forestry practices on insect populations.

Prerequisite: For 156-3.

(2,2)L

FOR 256-3 Forest Pathology

Concentration on forest diseases, covering causes of diseases, development of infectious diseases, and typical life histories. The most important diseases of B.C. will be studied, with emphasis on recognition, life histories and damage. Other topics to be covered are mistle toe, marine borers, pathological indicators of decay and introduced pests.

Prerequisites: For 156-3, For 255-3.

(2,2)

FOR 261-3 Applied Sampling - Compilations

Compilation of the field work from For 291-1 using mapping procedures to develop industrial and/or Forest Service operational cruise maps and cruise reports. Introduction to Fortran coding for computer volume printout. Aerial photogrammetry program involves procedures, aerial photogrammetry and compilation of photo mosaics.

Prerequisites: For 162-3, For 172-3, For 174-2, For 291-1

(1,3)L

FOR 262-3 Log Scaling

A course designed to give the student familiarity with common boardfoot scaling rules, regulations governing scaling in B.C., and detailed approach to firmwood, cubic and weight scaling as practised in the Interior of B.C. At the completion of the course each student can write the B.C. Forest Service Scaling Exam for the Interior to qualify for this scaling licence.

Prerequisites: For 162-3 and 156-3.

(1,3)L

FOR 267-1 Human and Public Relations in Forestry

The essential topics in this course are the development and discussion of management and supervisory skills, methods by which the private, public and corporate structures relate to people, the media and factors affecting management-employee relations.

Prerequisites: First and second semester Forest Technology.

(1,0)

FOR 268-1 Industrial Relations in Forestry

This course covers the history of unions in the B.C. Forest Industry, the structure and function of the International Woodworkers of America and the Teamster's Unions, Union-Management agreements and relations, negotiations, arbitrations, and strike action. Union membership and good safety practices are also important topics.

Prerequisites: First and second semester Forest Technologies.

(1,0)

FOR 271-3 Harvesting Management I

Topics covered: All forms of land tenure with emphasis on forest tenures are studied and related to bodies responsible for their administration. Forest harvesting licenses are covered in detail with regard to the forest act and regulations, together with B.C.F.S. organization, and related to harvesting requirements.

(2,2)L

FOR 272-3 Harvesting Management II

Topics covered: Organization of forest companies, contractors and their interaction with each other, the B.C.I.S. and other statutory resource agencies. Silvicultural systems, integrated resource management, and the impact of timber harvesting on them, the land base and other resources are also covered.

(2,2)L

FOR 279-6 Harvesting Methods

This course is very heavily field oriented. It will introduce the student to the practical application of equipment, labour and other resources in the harvesting operation.

Prerequisite: For 287-3.

Corequisite: Second Semester Harvesting Option.

(4,6)L

FOR 281-3 Forest Finance I

An overview of stock and bond marketing as related to financing business enterprise. Basics of cost, price and value are related to cost accounting, operating and financial statements. Practical examples of forest industry statements and costing methods are used throughout this course.

Prerequisites: Math 151-3

(2,2)L

FOR 282-3 Forest Finance II

A continuation of For 281-3 with an emphasis placed on practice of methods and concepts previously developed. Major topics are break-even determination, inventory, stumpage appraisals critical path method, interest and discount. A logging production and cost budget with inventory flow is developed as part of the harvesting plan in For 252-3.

Prerequisite: For 281-3. (2,2)L

FOR 283-3 Industrial Management I

This course introduces the student to basic accounting and reporting skills, materials handling, processing systems and business management techniques applicable to the logging industry.

(2,2)

FOR 284-3 Industrial Management II

This course introduces the student to the basics of labour and commercial law, personnel management safety and accident prevention related to the training of first line supervisors in the logging industry. An industrial first aid course will be offered in this course.

(2,2)

FOR 285-3 Roads and Transportation I

Basic engineering design criteria applicable to the layout and construction of forest roads with special emphasis on road standards, horizontal and vertical alignment parameters, and drainage problems.

Prerequisites: Math 151-3, For 162-3, For 174-2. (3,3)L

FOR 286-3 Roads and Transportation II

Land and water transportation of primary forest products, the basic engineering principles of timber bridge construction and road construction techniques with emphasis on equipment application.

Prerequisite: For 285-3. (3,3)L

FOR 287-3 Logging I

An introduction to logging methods with emphasis on the principles and methods of logging layout, logging guide lines and their importance, safety management, budget, and cost control.

Prerequisite: For 162-3. (2,3)

FOR 288-3 Logging II

Logging II is a continuation of the Logging I course proceeding to the affect of the cutting systems on logging methods, description of coast logging and transportation systems with a review of the logging guidelines for coastal operations. Components and maintenance of logging equipment are discussed.

Prerequisite: For 287-3. (2,2)

FOR 290-1 Summer Technical Report

Students entering second year will submit a technical report on their summer experience, or, failing employment in the forest industry, on a subject authorized by the Forestry faculty. This assignment is due no later than September 30. Specification for the essay will be discussed with students prior to the conclusion of the first term.

Prerequisites: Engl 151-3, Engl 152-3. (1,0)

FOR 291-1 Applied Sampling - Special Field Project

An extensive full time six day field project covering a cruise design and applying the latest techniques in sampling.

Prerequisites: For 162-3, For 172-3, For 174-2. (0,3)

FOR 299-3 Spring Field School

Students completing the second year program will select optional projects related to their own specific interest areas. Certain projects may be mandatory. This course covers a two week period.

FRENCH

FREN 101-3 Intermediate College French, Level 5

This course consists of three parts: 1) A review of the essential structures of French grammar, 2) French conversation, 3) Exercises in comprehension of oral French. Conversation classes will be based on current social issues. The course is conducted in French.

Prerequisites: B.C. Grade 12 French or equivalent. (3,1½)

FREN 102-3 Intermediate College French, Level 6

This course consists of three parts: 1) Continuation of review of

the essential structures of French grammar, 2) Writing practice, 3) Literary analysis. The course is conducted in French.

Prerequisites: Fren 101-3 or equivalent. (3,1½)

FREN 103-3 Intermediate College French, Level 3

Simple grammatical constructions and syntax are developed in the context of idiomatic French using an active audiolingual method. Selected readings in French literature form part of the material in this course.

Prerequisites: B.C. Grade 11 French or equivalent. (3,1½)

FREN 104-3 Intermediate College French, Level 4

A continuation of Fren 103-3.

Prerequisites: Fren 103-3 or equivalent. (3,1½)

FREN 131-3 Introduction to College French, Level 1

This course will provide intensive practice in pronunciation and in the essential structures of the French language. It will emphasize the development of oral proficiency and comprehension through dialogues, reading selections, oral exercises in the language lab, oral and written exercises in class and elementary conversation.

(3,1½)

FREN 132-3 Introduction to College French, Level 2

A conversation of Fren 131-3. Students completing Fren 131-3 and 132-3 will be granted B.C. French 11 equivalency and will satisfy the prerequisites for admission to C.N.C. Fren 103-3.

Prerequisites: Fren 131-3 or equivalent. (3,1½)

FREN 151-3 Conversational French I

An intermediate conversation course for people who have had between 2 and 4 years of secondary school French. This course will review the rudiments of the French language including pronunciation, grammatical structures, verb forms, and vocabulary using French dialogues as a starting point. Conversation based on themes and vocabularies established in the text or in class will be undertaken in one of the two weekly meetings of this course.

Prerequisites: 2 years Secondary School French or permission of instructor. (2,1)

FREN 152-3 Conversational French II

A continuation of Fren 151-3.

Prerequisites: Fren 151-3 or permission of the instructor. (2,1)

FREN 201-3 Advanced College French, Level 7

Extensive conversation and dissertation will be based on a chronological survey of French literature from the middle ages to the end of the seventeenth century. There will also be a review of grammar and syntax through compositions and translations, to allow further development in this language.

Prerequisites: Fren 102-3 or equivalent or permission from instructor. (3,0)

FREN 202-3 Advanced College French, Level 8

A continuation of Fren 201-3. French literature from the 18th Century to the present forms the basis of this course.

Prerequisites: Fren 201-3 or equivalent. (3,0)

GEOGRAPHY

GEOG 101-3 Man's Sense of Place:

An Introduction to Geography

An introduction to the development, structure, concepts, and methods of modern Geography, emphasis being given to four distinct traditions: the Man/Land, Spatial, Regional, and Cultural/Historical approaches to the discipline.

(3,3)L

GEOG 103-3 Canada:

Some Geographical Perspectives

The theory and concepts of "the regional method" are applied to Canada. Emphasis is given to an examination of resource development and resource policy in Canada using an historical perspective, with particular consideration given to the North.

(3,0)

GEOG 161-3 The Physical Landscape of the Central Interior

This course, for the layman, examines the evolution of the physical landscape of the Central Interior by considering geological makeup, river basins and valleys, glaciation, and climate/vegetation. Students will be made aware of information sources by using maps, air photos, and publications in lab sessions.

(1,2)

GEOG 162-3 Resources and Their Management in the Central Interior

Selected problems of environmental management will be examined from a geographer's perspective. Guest speakers will be invited to present alternative viewpoints.

Prerequisite: Geog 161-3.

(1,2)

GEOG 163-3 Historical Geography of the Central Interior

This course explores the local history of the Central Interior from a geographical perspective. It will examine development in the region during 3 eras—those of the fur trade, the gold rush, and the railway—focussing upon changes in transportation and access, and upon the perceptions of the landscape as noted by early traders, miners, surveyors, etc. Sources of historical information will be suggested and students will be encouraged to research and present selected topics.

(2,1)

GEOG 164-3 The Urban World: A Geographer's Perspective

From the earliest times, people have been fascinated by, and drawn to, towns and cities. More than 70% of Canadians are officially described as being "urban" and this percentage is increasing with every decade. This course will, through the use of lectures, films, and slide presentations, explore this phenomenon. Examples will be taken from the cities of the world, with emphasis upon the development of towns and cities in Western Canada in general and Prince George and its region in particular.

(2,1)

GEOG 201-3 Weather and Climate

The major concepts in the sub-disciplines of meteorology, climatology, biogeography (vegetation and soils) and geomorphology (land forms) are introduced. Analysis will be made of processes, distributions, and interrelationships.

(3,3)L

GEOG 202-3 The Surface of the Earth

A continuation of Geog 201-3.

Prerequisite: Geog 201-3.

(3,3)L

GEOG 203-3 Economic Geography

A geographic view of economic activities and behaviour, using both a "systems" and "behavioural" approach. Traditional and more recent theories of Economic Geography will be examined in the light of these two approaches.

Prerequisites: Geog 101-3 and 103-3 or permission of the instructor.

(3,0)

GEOG 205-3 The Evolution of the Cultural Landscape

An investigation of the dynamic nature of the Man/Land relationship in terms of cultural, sociological, institutional, and psychological influences upon Man's use and organization of his environment.

Prerequisites: Geog 101-3 and 103-3, or permission of instructor.

(3,0)

GEOLOGY

GEOL 101-3 Introduction to Physical Geology

Physical aspects of geology: matter and minerals, description and classification of rocks, rock-forming processes, earthquakes and the earth's interior, structure of the crust, continents and ocean basins. Rock deformation and mountain building, continental drift and plate tectonics. Interaction of oceans and atmosphere with the solid earth: oceans and shoreline processes, weathering and soil formation, mass movement rivers, deserts, glaciers, and landscape evolution. Field trips and visits to regional mining operations are scheduled in place of some laboratory periods,

(3,3)L

GEOL 102-3 Introduction to Historical Geology

A continuation of Geol 101-3, with emphasis on historical aspects; the nature, scope and methods of historical geology, geologic time, fossils and the fossil record, theories of evolution, a survey of the major phyla. The origin of the solar system, early history of the earth, history of the continents and life forms with emphasis on North America, the origin of man. Man's interaction with the earth: Mineral resources, resource and environmental problems.

Prerequisite: Geol 101-3.

(3,3)L

GEOL 161-3 Geology for General Interest

A non-technical introduction to the materials of the earth and to the processes which operate to build and to shape the earth's surface features. Included will be a discussion of geologic time and earth's history and illustrations of processes in action in the development of the scenery of the Northwest in general, and B.C. in particular.

(1,2)

GEOL 171-3 Prospecting I: Introduction to Prospecting

The identification of minerals and rocks, the nature of mineral deposits, claim staking, legal requirements, sampling and field techniques, an introduction to geochemical and geophysical techniques.

(1,2)

GEOL 172-3 Advanced Prospecting

Topics covered will include: review of basic minerals and rock types, introduction to the industrial, strategic and aerospace minerals, interpretation of maps and air photos, mineralization and mineral provinces, geochemical and geophysical prospecting techniques suitable for the prospector.

Prerequisites: Geol 171-3, Dept. of Mines Introductory Prospecting Course, or some prospecting experience.

(2,4)

GEOL 201-2 Environmental Geology

This course will consider the nature and importance of geological information in physical problems of man's interaction with its environment. Topics included are urban geology and natural hazards, pollution and geological processes, and problems associated with natural resource utilization.

Prerequisites: Geol 101-3 and 102-3, or permission of the instructor.

(2,0)

GERMAN

GER 101-3 Introductory German I

An introduction to the basics of German grammar and language. This course is designed to develop the beginner's reading and speaking facility in German.

(3,1)

GER 102-3 Introductory German II

A continuation of Ger 101-3. This course introduces the student to more advanced aspects of German grammar. Some excerpts from German literature will be studied.

Prerequisite: Ger 101-3.

(3,1)

GER 151-3 Basic Conversational German

An introduction to conversational German. The course will use an active audio-lingual method to develop oral proficiency and comprehension. The course will also familiarize the student with the life and culture of German.

(2,1)

HISTORY

HIST 101-3 World History: The Early Twentieth Century

After a brief introduction to general problems of historical investigation, this course treats world history of the early twentieth century through a detailed study of one or two historical phenomena of universal significance. The First World War, the Russian Revolution, the emergence of the United States as a "superpower", the spread of nationalism, and the Great Depression represent examples of such phenomena.

(3,0)

HIST 102-3 World History: The Mid-Twentieth Century

This course treats world history of the mid-twentieth century in a framework similar to that of Hist 101-3. The irrational society, the breakdown of old imperialisms, the Chinese Revolution, and the acceleration of technological development represents recent examples of historical phenomena of universal significance.

(3,0)

HIST 103-3 History of Canada to 1841

After a brief introduction to general problems of historical investigation, this course examines the nature and development of two early Canadian societies: New France and British North America. The problems considered direct attention to the theme of dependence.

(3,0)

HIST 104-3 History of Canada since 1841

This course extends the investigation of the theme of dependence in Canadian history to the modern period.

(3,0)

HIST 201-3 Nineteenth-Century European Thought

This course examines the ideas of a series of European thinkers from the French Revolution to 1870 on politics, society, economics, religion, and science.

Prerequisites: History 12 or any college history course.

(3,0)

HIST 202-3 Twentieth-Century European Thought

This course examines the ideas of a series of European thinkers of the modern period on politics, society, economics, religion, and science.

Prerequisites: History 12 or any college history course.

(3,0)

HIST 211-3 Local History Seminar

After an introduction to the techniques of historical research and their application in local history, each student in the seminar will create a research paper based on primary sources relating to the history of one community or area in the Northern Interior of British Columbia. Prerequisites: Hist 103-3 and 104-3.

NOTE: Applicants with a long-standing interest in local history may be admitted without the prerequisite courses at the discretion of the instructor.

(3,0)

HUMANITIES

HUM 101-9 Humanities I

A non-disciplinary program of liberal education.

Prerequisite: Permission of the instructors.

(9,3)

HUM 102-9 Humanities II

A continuation of Humanities 101-9.

Prerequisites: Hum 101-9 or permission of the instructors.

(9,3)

MATHEMATICS

MATH 010 Whole Number Arithmetic

This course is an introduction to basic arithmetic including whole numbers, addition, subtraction, multiplication, and division.

Prerequisite: Basic understanding of English.

MATH 020 Basic Preparatory Mathematics

This course is a review of basic operations in whole numbers, fractions, decimals, and percent.

Prerequisite: A basic familiarity with our number system.

MATH 030 Intermediate Preparatory Mathematics

This course includes an introduction to the metric system, ratio and proportion, roots and powers, manipulation of formulae, an introduction to algebra, and basic geometry.

Prerequisites: Grade 8 Mathematics or Math 020.

MATH 040 Advanced Preparatory Mathematics

This course includes a core of algebra, factoring, radicals, exponents, graphing, solution of linear, simultaneous, and quadratic equations, and formulae plus options which include analytical or practical geometry, trigonometry, vectors, logarithms, series and progressions, and/or business topics.

Prerequisites: Grade 10 Mathematics or Math 030.

MATH 100-3 Precalculus Mathematics

This course includes an intensive review of algebra, followed by the Binomial Theorem, functions and relations, inverse functions, analytic geometry, the conic sections, and trigonometric functions.

Prerequisites: Algebra 11 or permission of instructor.

(3,1)

MATH 101-3 Calculus I

An introduction to the concepts, techniques, and applications of differential and integral calculus.

Prerequisites: Algebra 12 or Mathematics 100-3 or equivalent.

(3,1)

MATH 102-3 Calculus II

A continuation of Math 101-3.

Prerequisite: Math 101-3.

(3,1)

MATH 103-3 Finite Mathematics

Intended primarily for Liberal Arts and Education students who want some exposure to modern mathematical concepts. Topics will be chosen at the discretion of the instructor and may include such areas as: logic, set theory, algebraic systems, elementary number theory, matrices, linear programming.

Prerequisites: Math 12 (Math 11 or less with permission of instructor).

(3,0)

MATH 104-3 Introduction to Statistics

Descriptive statistics, elementary probability theory, statistical inference and the practical application of these topics are emphasized.

(3,0)

MATH 109-3 Computing Science I

This course comprises an introduction to computing science. Topics to be discussed include binary and hexadecimal number systems, computer organization, flow charting, top-down programming,

pseudo assembly language - TRUGEAR, and an introduction to FORTRAN.

Prerequisite: Math 12 preferred.

Corequisite: Math 101-3.

(3,1)

MATH 110-3 Computing Science II

This course is a continuation of Computing Science I, including more advanced FORTRAN and an introduction to ALGOL with applications to numerical and non-numerical problem solution.

Prerequisite: Math 109-3.

Corequisite: Math 102-3.

(3,1)

MATH 150-3 Basic Mathematics

A summary of basic mathematics. Topics include arithmetic operations, the use of formulae and tables, algebra, and plane geometry. Students successfully completing this course will receive the letter grade S.

(3,0)

MATH 151-3 Technical Mathematics I

Topics will be drawn from the following general areas: functions and their graphs, exponents and logarithms, quadratic equations, plane geometry, trigonometry with applications, vector analysis with applications.

Prerequisites: Math 150-3, or permission of the instructor.

(3,0)

MATH 154-3 Mathematics of Finance

An introductory course including simple interest, simple discount, compound interest, annuities, amortization, sinking funds, depreciation, and bonds.

(3,0)

MATH 157-3 Introduction to Business Statistics

Descriptive statistics, statistical inference, and related topics, with special emphasis on business applications.

(3,0)

MATH 161-3 Medical Lab Technology Mathematics I

Fast review of algebra, linear and quadratic equations, systems of equations, function, logarithms, logarithmic and exponential functions with applications. The use of electronic calculators.

Prerequisite: Math 12.

(3,0)

MATH 162-3 Medical Lab Technology Mathematics II

Graphs, slopes, the derivative, techniques of differentiation, integrals, techniques, simple differential equations, med lab applications.

Prerequisite: Math 161-3.

(3,0)

MATH 201-3 Calculus III

Algebra and Geometry of IRN, vector functions and their derivatives, functions of several variables, partial differentiation, gradient, derivatives as linear maps, implicit function theorem.

Prerequisite: Math 102-3.

(3,0)

MATH 202-3 Calculus IV

Multiple integrals, vector fields, line and surface integrals, Green's theorem, complex numbers and functions, introduction to differential equations.

Prerequisite: Math 201-3.

(3,0)

MATH 203-3 Introduction to Analysis

Elementary Logic, Induction, Sequence, limit, completeness, Continuity, Differentiability, Supremum and Infimum, Uniform Continuity, Some Theorems of the Calculus.

Prerequisites: At least a "B" in Math 101-3 or 102-3.

(3,0)

MATH 204-3 Linear Algebra

Vector spaces, Linear equations, Bases, Dimension, Inner Product spaces, Linear transformations and matrices, Determinants, Eigenvectors and Eigenvalues, applications.

Prerequisite: Math 102-3.

(3,0)

MATH 215-3 Differential Equations I

First order ordinary differential equations; Nth order linear differential equations; Laplace transforms: systems of first order differential equations; applications to growth and decay, mixing heat flow, dynamics, mechanical and electrical vibrations, the two body problems.

Prerequisites: Math 102-3 and 204-3 (Math 201-3 recommended).

(3,0)

NOTE: See also Data Processing courses listed under Electronic Data Processing.

MEDICAL LABORATORY TECHNOLOGY

MLT 151-3 Medical Laboratory Orientation I

A critical review of the basic theory and use of microscopes, balances, centrifuges and other laboratory instruments.
Corequisites: Phys 105-3, Chem 103-3, Math 161-3.

(2,1)

MLT 152-3 Medical: Laboratory Orientation II

A continuation of MLT 151-3 with emphasis on use and care of precision instruments in volumetric analysis, etc.
Prerequisite: MLT 151-3.

Corequisites: Phys 106-3, Chem 154-3, Math 162-3.

(2,1)

MUSIC

MUS 103-3 History of Music I

A study of the historical development of music from the Greek period through the Baroque, emphasizing recordings and score study. Major emphasis is given to the Renaissance and Baroque style periods. Some correlation given to other art disciplines.

(3,0)

MUS 104-3 History of Music II

A continuation of Mus 103-3, covering the development of musical forms, styles, and techniques from 1750 to present.
Prerequisite: Mus 103-3.

(3,0)

NURSING

Diploma

NURS 150-1 Orientation to Nursing

This course is designed to assist the student in his/her role as a student nurse and a future member of the health team.

(1,0)

NURS 151-8 Health - Its Maintenance and Promotion

This course has as its focus health, the means of maintaining and promoting health and simple nursing measures employed when the individual requires minimal assistance in meeting his physiological needs. Clinical experience will be provided through visits to agencies whose focus is promotion and maintenance of health and through experience in a hospital setting assisting patients whose needs for assistance are minimal, whose conditions are stable and who are able to communicate.

(8,8)

NURS 152-12 The Adult with Common Interferences

The course examines the effect illness has on the adult when there is a common interference with physiological functioning and the nursing care required to assist him in meeting his needs. Clinical experience will be provided within the hospital on general medical-surgical units and through contact with community agencies.
Prerequisites: Nurs 151-8, Bio 161-3.

Sem. 2 (6,14)
Intercession 1 (10,14)

NURS 160-1 Nursing, Past and Present

This course examines the historical development of nursing and nursing education and its effect on nursing today. The delivery of health care, legislation related to health care, and pertinent research studies are also discussed. The legal responsibilities of the nurse are explored.

Prerequisite: Nurs 150-1.

(1,0)

NURS 199-1 Work Session

The work experience of four (4) weeks is designed to assist the student to obtain a more realistic view of the role of the nurse in the delivery of care within a health care agency. The student participates as a nursing team member in assisting, planning, implementing and evaluating the plan to care to meet the needs of assigned patients.
Prerequisite: Nurs 152-12.

Field Experience (35)

NURS 250-2 The Professional Nurse

This course is designed to assist the student in his/her transition to the role of graduate diploma nurse. Information related to educational and career opportunities, management in nursing and nursing organizations is included.

Prerequisites: Nurs 160-1, 199-1

(2,0)

NURS 261-8 The Expanding Family

The impact of the childbearing experience upon the individual and the family during pregnancy, labour, delivery and puerperium and the relevant nursing care is examined. A variety of clinical experiences will be provided within the obstetrical unit of a hospital, and other community agencies.

Prerequisites: Nurs 199-1, Bio 162-3.

(8,14)

NURS 262-8 The Individual Experiencing Psychosocial Interferences

This course examines the impact and interference with psychosocial needs has on the individual and his family. Nursing care relevant to the interferences is explored. Clinical experience is provided in mental health units in hospital and in the community.
Prerequisites: Nurs 261-8 and 263-8, Psyc 171-3.

(8,14)

NURS 263-8 The Child in Health and Illness

The maintenance and promotion of health of the child and the impact of illness and/or handicap on a child and his family is examined. Nursing care relevant to interferences with normal needs will be examined. Clinical experience is provided on a pediatric unit in hospital and through other community agencies.

Prerequisites: Nurs 199-1, Psyc 162-3, Bio 162-3.

(8,14)

NURS 264-8 The Adult with Critical Interferences

This course examines the impact of critical interferences on the adult and his family. Nursing care relevant to the needs of the individual experiencing a critical illness is examined. Clinical experience is provided within a hospital in general medical-surgical units and in specialized areas.

Prerequisites: Nurs 261-8 and 263-8.

(8,14)

NURS 290-5 The Individual Requiring Intensive Nursing

The focus of this course is on the individual from any age group who requires intensive nursing care to meet his physiological and/or psychosocial needs. Clinical experience is provided within the hospital setting on a variety of patient care units.

Prerequisites: Nurs 262-8 and 264-8.

(6,21)

NURS 299-15 The Nurse-A Health Team Member

This course focuses on the role of the nurse in providing care to meet the needs of patients in all age groups who require hospitalization. The clinical experience focuses on organization and the responsibilities of the nurse as a member and potential leader of the nursing team.

Prerequisites: Nurs. 290-5.

(1,34)

PHILOSOPHY

PHIL 101-3 Moral Philosophy

An introduction to philosophical analysis through the consideration of problems in moral philosophy. Questions to be discussed include: "What do disagreements in moral judgment mean?" "Is there an objective basis for moral judgment?"

(3,0)

PHIL 102-3 Theory of Knowledge

An introduction to philosophic analysis through the consideration of problems in theory of knowledge. Questions to be discussed include: "Can we ever know anything?" "What do we know?" "How do we know?"

(3,0)

PHIL 171-3 Medical Ethics and Moral Issues

A course designed to explore issues which pose serious ethical and moral questions for health care workers. Examples to be studied include euthanasia, population control, and medical research and experimentation on human beings.

(3,0)

PHIL 204-3 Logic

This course studies the structure of reasoning, emphasizing the techniques of logical criticism and applying them to everyday argumentation. The course is helpful for all who wish to practise careful reading and criticism of arguments and for those who want to learn how to construct sound arguments.

(3,0)

PHIL 205-3 Scientific Method

An examination of the scientific method and its use, and discussion of the grounds for empirical knowledge.

(3,0)

PHYSICAL EDUCATION

P.E. 101-2 Basketball

An introduction to the skills, rules, offensive/defensive strategies, teaching methods and techniques of basketball.

(1,2)

P.E. 102-2 Outdoor Activities

An introductory course in orienteering, downhill skiing, cross country skiing, and snowshoeing. Emphasis will be on methods and teaching techniques for beginners.

(1,2)

P.E. 103-2 Scientific Basis of Athletic Conditioning

An Analysis of the practical and theoretical concepts of athletic conditioning used in the development of general and specific training programs for games and sports will be the prime focus of this course. (1,2)

P.E. 104-2 Cross Country Skiing

This course is an introduction to the theory, practice and teaching of the fundamental skills of cross-country skiing. This course is offered over an 8 week period. (1,5)

P.E. 105-2 Volleyball

This course is an introduction to the theory, practice and teaching of the fundamental skills of volleyball. (1,2)

P.E. 106-2 Badminton

This course is an introduction to the theory, practice and teaching of the fundamental skills of badminton. (1,2)

P.E. 107-2 Soccer

This course is an introduction to the theory, practice and teaching of the fundamental skills of soccer. (1,2)

P.E. 108-2 Minor Games

This course will cover the theory, practice and teaching of minor games. (1,2)

P.E. 110-2 Tennis

An introductory course in the skills, rules, strategy, and teaching methods and techniques of tennis. Emphasis will be on the student learning and demonstrating the skills of tennis. (1,2)

P.E. 111-2 Educational Gymnastics

This course will provide an individualized approach to movement on floor and apparatus, teaching methods and techniques. (1,2)

P.E. 112-2 Modern Rhythmical Gymnastics

This course introduces the student to individuals and group exercises performed to music with and without hand equipment. (1,2)

P.E. 113-2 Folk, Square and Social Dance

This course will enable the student to acquire competence in performing a variety of dances from each category. (1,2)

P.E. 114-2 Ballroom Dance

This course introduces the student to a number of social dances; familiarizes the student with the rhythm inherent in the various social dances; allows the student to acquire a certain degree of competence in performing the dances. (1,2)

P.E. 115-2 Creative Dance

The student will acquire knowledge and skills in using bodily movement as an instrument of expression, through a qualitative blending of the time, weight, space and flow components. (1,2)

P.E. 116-2 Swimming

The student will acquire knowledge and skills in water safety, strokes, entries and survival techniques. (1,2)

P.E. 201-3 Introduction to Physical Education

The student will be introduced to a number of sub-disciplines of physical education and to some professional concerns, which together may be considered fundamental to a continuing course of study in physical education. (3,0)

PHYSICS**PHYS 040 Advanced Preparatory Physics**

Basic physics at a Grade 11-12 level. Topics include mechanics, electricity, magnetism, heat, wave theory, light, and sound. Prerequisites: Math 030, Phys 030, or the equivalent. Corequisites: Math 040 or permission of instructor.

PHYS 101-3 Introductory Physics I

Mechanics including vector, linear kinematics, circular motion, dynamics, energy, momentum, relativity, SHM, gravity, properties of matter, temperature, heat, simple kinetic theory, introductory thermodynamics. Prerequisites: Math 12 and Phys 12 (or permission of instructor). Corequisite: Math 101-3. (3,3)L

PHYS 102-3 Introductory Physics II

Electricity and magnetism including charges, electric field, magnetic field, electric current and circuits, light, atomic physics, nuclear reactions. Prerequisites: Phys 101 (or Phys 105 with permission of instructor). Corequisite: Math 102-3. (3,3)L

PHYS 105-3 General Physics I

Mechanics including linear kinematics, circular motion, dynamics, energy momentum and fluids, temperature and thermal expansion, heat, simple kinetic theory, and heat transfer. Primarily intended for students not planning further courses in the physical sciences. Prerequisite: Math 11. (3,3)L

PHYS 106-3 General Physics II

Electricity and magnetism, including charges, electric fields, magnetic fields, electric current and circuits, light, atomic physics and nuclear reactions. Prerequisite: Math 11: (3,3)L

PHYS 131-3 Introduction to Astronomy

A study of the principal methods and theories that have contributed to man's idea of the universe. (3,0)

PHYS 201-3 Thermodynamics and Waves

The topics studied include temperature, heat transfer, laws of thermodynamics, entropy and disorder, waves and sound. Prerequisite: Phys 105-3 or 101-3. (3,0)

Phys 202-3 Electricity and Magnetism

Topics include Electrostatic Charges, the Electric Field, Gauss' Law, the Electric Potential, Capacitance, Current and Resistance, Electric Circuits, A.C. Circuits, the Magnetic Field, Ampere's Law, Faraday's Law. Prerequisites: Phys 102-3 or 106-3. (3,0)

PHYS 203-2 General Lab

A series of experiments designed to demonstrate concepts of mechanical, electrical, heat and modern physics. Experiments include the use and design of meters, LCR circuits, temperature measurement, and the determination of a radioactive half-life. One experiment is designed by the student. Prerequisites: Phys 101-3 and 102-3, or Phys 105-3 and 106-3. (0,6)L

PHYS 204-3 Mechanics

The topics studied include vectors, kinematics, dynamics of a particle, moving reference systems, special theory of relativity, central forces and particles of rigid bodies, Lagrange's equations (optional) and vibrations. Prerequisites: Phys 101-3 or 105-3, Math 101-3. (3,0)

POLITICAL SCIENCE**POSC 101-3 Introduction to Political Science I**

An examination of concepts and issues in Political Science, through lectures, discussions, readings, and research papers. (3,0)

POSC 102-3 Introduction to Political Science II

An examination of theories and methods in Political Science, through lectures, discussions, readings, and research papers. (3,0)

POSC 201-3 The Government of Canada

An examination of the institutions and processes of Canadian government. Analysis will be made of the Canadian social structure and political culture; parties, pressure groups and social movements; the legislative, executive, and judicial aspects of government; federalism. (3,0)

POSC 202-3 Selected Problems in Canadian Politics

A study in depth of the major issues in Canadian politics: federalism in theory and practice, nationalism and political nationality, cultural duality, separatism and regionalism, and similar issues of interest to students. (3,0)

POSC 203-3 Contemporary Ideologies

A study of the major political ideologies such as nationalism, conservatism, liberalism, socialism, anarchism, communism, fascism, democracy, and the new left. (3,0)

POSC 204-3 Politics and Social Life

An introduction to theories and methods of political analysis and their application to the study of social, cultural, and psychological context of political behaviour.

(3,0)

PSYCHOLOGY

PSYC 101-3 Introduction to Psychology I

This general survey course includes topics such as a brief history of psychology, elementary experimental design, the nervous system, sensation, perception, learning, memory, language, and thought.

(3,0)

PSYC 102-3 Introduction to Psychology II

A continuation of Psyc 101. Topics will include intelligence and intelligence testing, personality assessment, motivation, emotion, mental health and behavioural disorders, psychotherapy, and Social Psychology.

Prerequisite: Psyc 101-3.

(3,0)

PSYC 103-3 Human Sexuality

This course is designed to provide a basic understanding of Human Sexuality from a biological, psychological, and social perspective. Topics will include such items as anatomy, physiology of sexual responses, psychosexual development, sexual behaviour and sexual complications.

(3,0)

PSYC 151-3 General Psychology I

This general survey course includes topics such as a brief history of psychology, elementary experimental design, the nervous system, sensation and perception, learning motivation, and emotion.

(3,0)

PSYC 152-3 General Psychology II

Topics include thinking, language, intelligence and intelligence testing, personality theories and assessment, mental health, behavioural disorders and social psychology.

Prerequisite: Psyc 151-3.

(3,0)

Psyc 157-1 Industrial Psychology and Human Relations I

This course deals with selected components of psychology from the perspective of the principles involved. Topics include: Communication, Motivation, Needs, Satisfaction of Needs, Frustration, Conflict, Personality, Personality Assessment, and Psychological Testing.

(1,0)

PSYC 158-1 Industrial Psychology and Human Relations II

Industrial psychology from the perspective of the principles involved, the underlying psychological components and the ethical nature of their application. Topics covered include: Social Psychology, Organizations, Supervision and Labor-Management Relations.

Prerequisite: Psyc 157-1.

(1,0)

PSYC 161-3 Introductory Psychology for Nursing

A general introduction to selected topics in psychology such as methodology, learning, behavioural technology, memory, motivation, emotion, human sexuality, personality theory, and intelligence. The adequacy of empirical investigation in the above areas is examined.

(3,0)

PSYC 162-3 Developmental Psychology for Nurses

The psychological development of the human being from conception through senescence. Includes the cognitive, psychomotor, social and emotional aspects of development.

Prerequisite: Psyc 161-3.

(3,0)

PSYC 201-3 Statistics for the Social Sciences

This course covers the basic principles of descriptive and inferential statistics and their application to research in the social sciences. Highly recommended for majors in the social sciences.

No prerequisite required but some students find Math 12 or the equivalent helpful.

(3,3)

PSYC 202-3 Experimental Psychology

This course introduces experimental methods and designs as applied to research in psychology. Focus on research in sensation, perception, learning, and motivation will serve to illustrate current developments and techniques. Highly recommended for majors in Psychology.

Prerequisite: Psyc 201-3.

(3,3L)

PSYC 203-3 Dynamics of Behaviour I

The student is introduced to personality and adjustment, and reviews some theories of personality (e.g. Psychoanalysis) and conditions in life requiring adjustment (e.g. conflict). These theories are developed throughout course and pertinent research is discussed.

Prerequisites: Psyc 101-3 and 102-3.

(3,0)

PSYC 204-3 Dynamics of Behaviour II

The student will be introduced to the study of human behaviour and adjustment within interpersonal and social situations. Some of the topics to be covered include: affiliation, liking and loving, attitude and attitude change, prejudice, conformity and compliance, aggression, altruism (helping behaviour), group structure and dynamics. The approach will be to cover major social psychological theories and research methodology as they relate to these topics.

Prerequisites: Psyc 101-3 and 102-3. Psyc 203-3 or permission of instructor.

(3,0)

PSYC 205-3 Developmental Psychology I

A study of the determinants of behaviour, theory, and processes of growth and maturation from the prenatal period through childhood, with emphasis on infancy and childhood periods in terms of cognitive, psychomotor, affective and conative development.

Prerequisites: Psyc 101-3 and 102-3.

(3,0)

PSYC 206-3 Developmental Psychology II

The growth and development of the individual during adolescence, adulthood and senescence, including developmental theory as well as the factors affecting development during these periods.

(3,0)

PSYC 207-3 Psychopathology

This course examines a wide variety of models of psychopathology (e.g. medical, dynamic, behavioural) and the causes and treatments of several behavioural disorders (e.g. neuroses, schizophrenia, maniac-depressive psychosis, psychopathy, alcoholism).

Prerequisites: Psyc 101-3 and 102-3. Some students find Psyc 203-3 helpful.

(3,0)

PSYC 251-3 Abnormal Psychology

This course is designed to enable students to identify relevant variables involved in the development of symptom patterns and to point out problems in the identification of pathological behaviour.

(3,0)

RECREATIONAL COURSES

REC 151-0 Badminton

Beginning skills and the techniques of badminton. Includes singles and doubles play, instruction in the basic skills, and the rules of play.

REC 152-0 Racquetball

An introduction to the basic skills, rules and strategy of racquetball. Equipment supplied.

REC 153-0 Cross-Country Skiing

A practical introduction to the basic skills and techniques of cross-country skiing, maintenance and waxing of skis. Includes several ski tours of local cross-country trails. Equipment supplied.

REC 154-0 Dance

This program is designed to introduce the skills and enjoyment of ballroom and folk dancing. Content will include the Tango, Samba, Fox Trot, Waltz, Cha Cha, and Western style square dance.

REC 155-0 Keep Fit Class

Through the use of enjoyable exercises and games, participants will be instructed in the methods of obtaining and maintaining physical fitness. Simple pre and post fitness tests will be provided to measure improvement.

REC 156-0 Archery

Instruction in stringing, stance, target shooting, and rules.

REC 157-0 Karate

Introduction to the Japanese art of self defense. Instruction in conditioning, exercises, stances, hand and foot blows. Beginner and advanced instruction.

REC 159-0 Beginners Guitar

An introduction to basic cords and strumming.

REC 160-0 Disco Dancing

An introduction to the skills and enjoyment of Disco Dancing. All the latest steps.

REC 161-0 Advanced Racquetball

Continuation of Rec 152-0.

SCIENCE**SCI 030 Basic General Science**

This course consists of 4 components: Biology, Chemistry, Physics and Geology all at an introductory level. To receive credit for the course, two of these components must be taken. The two taken depend on the future goals of the student.

Prerequisites: Grade 7 or Level 2.

SCI 041 Study of Everyday Science

This course will involve a brief study of Biology, Chemistry, Physics and Earth Science as they affect everyday life. It is recommended only as a general interest course in science and is not a prerequisite for further science study.

SOCIAL WORK**SOWK 151-3 Social Work Methods:****An Introduction to the Helping Process**

This course is designed to aid practitioners who are involved in human problem solving to assess and improve their skills. The course will include both a look at some of the relevant theoretical material and an opportunity to practice and experience various intervention skills.

(3.0)

SOWK 201-3 Introduction to Canadian Social Welfare Policy

This course will examine the basic concepts of social policy analysis and development, the history and structure of social policy development in Canada, and several major social policy areas at the Federal and Provincial levels. The aim of the course is to provide the student with the tools to analyse a social policy statement, and to link policies to objectives, programs and legislation.

(3.0)

SOWK 202-3 Introduction to the Field of Social Work Practice

This course will examine the essential purpose and concepts of social work, and the roles and tasks that social workers perform. It will emphasize the problem-solving and planned-change processes in the context of typical problems within the profession, the employing organization, and the community.

Prerequisite: Social Work 201-3.

(3.0)

SOCIOLOGY**SOC 101-3 Introduction to Sociology I**

A general introduction to the philosophical and historical background of sociology; method and theory; basic concepts used in the analysis of society, such as culture and society, groups, socialization, classes, minorities, collective behaviour, and urbanization.

(3.0)

SOC 102-3 Introduction to Sociology II

Continuation of Soc 101: an analysis of the structure and function of social institutions, such as the family, religious institutions, education, economic institution, political structure, and theories of social change.

Prerequisite: Soc 101-3.

(3.0)

SOC 201-3 Sociology of Work - General

Work before the Industrial Revolution. The agricultural community and agricultural work. The "white collar" worker. The professions. Part-time and temporary work and their social and personal effects. "White collar," Technical, and professional associations; their organization, goals, and social influence. Connections between work life and personal life.

Socialization and work. Women and work.

Prerequisites: Soc 101-3 and 102-3.

(3.0)

SOC 202-3 Sociology of Work - Industry

Industrial workers; their life-styles, family life, neighborhoods, and communities. Industrial work groups and work forces. The one-

industry town. Worker interest groups at the work place (cliques, worker associations, labor and trade unions) and in the community of nation (social influence, political parties). Crafts and trades. Women and industrial work.

Prerequisite: Soc 201-3.

(3.0)

SOC 203-3 Canadian Society I

A detailed sociological, anthropological, and literary analysis of Canadian society, including such topics as occupations, social classes, social groups, authority and political behaviour, social stratification, and deviant behaviour.

(3.0)

SOC 204-3 Canadian Society II

Sociological perspectives on social problems in modern Canadian society: issues of current social conflict and controversy in such areas as race and ethnic relations, social disorganization, politics, and national identity.

Prerequisite: Soc. 203-3.

(3.0)

SPANISH**SPAN 101-3 Introduction to Spanish I**

An audio-lingual introduction to Spanish, designed to equip the student with the basic knowledge for communicating in Spanish.

(3.1/2)

SPAN 102-3 Introduction to Spanish II

A continuation of Span 101-3.

Prerequisite: Span 101-3.

(3.1/2)

SPAN 151-3 Conversational Spanish

An introduction to practical conversation based on an active audio-lingual method. This course also gives the student some appreciation of the life and the culture of Latin-America and Spain.

(2.1)

SPAN 152-3 Conversational Spanish II

A continuation of Spanish 151. This is a non-academic course in practical conversation.

Prerequisites: Spanish 151-3 or equivalent.

(2.1)

SPAN 201-3 Intermediate Spanish I

A review of basic structures of Spanish and readings in Spanish and Spanish conversation.

Prerequisite: Span 102-2.

(3.1/2)

SPAN 202-3 Intermediate Spanish II

A continuation of Span 201-3.

Prerequisite: Span 201-3.

(3.1/2)

SURVEYING**SURV 151-3 Surveying I**

A study of the basic field surveying methods, notes and their interpretation. Included are the types of surveying instruments and practical use. Measuring distances, levels, traverses and other elements of plane surveying will be covered. The course is intended to familiarize a student with surveying techniques used in the construction and forest industry.

(1.3)

SURV 152-3 Surveying II

Continuation of surveying I course to learn the surveying techniques used in construction and forest industries with special emphasis on accurate construction surveying.

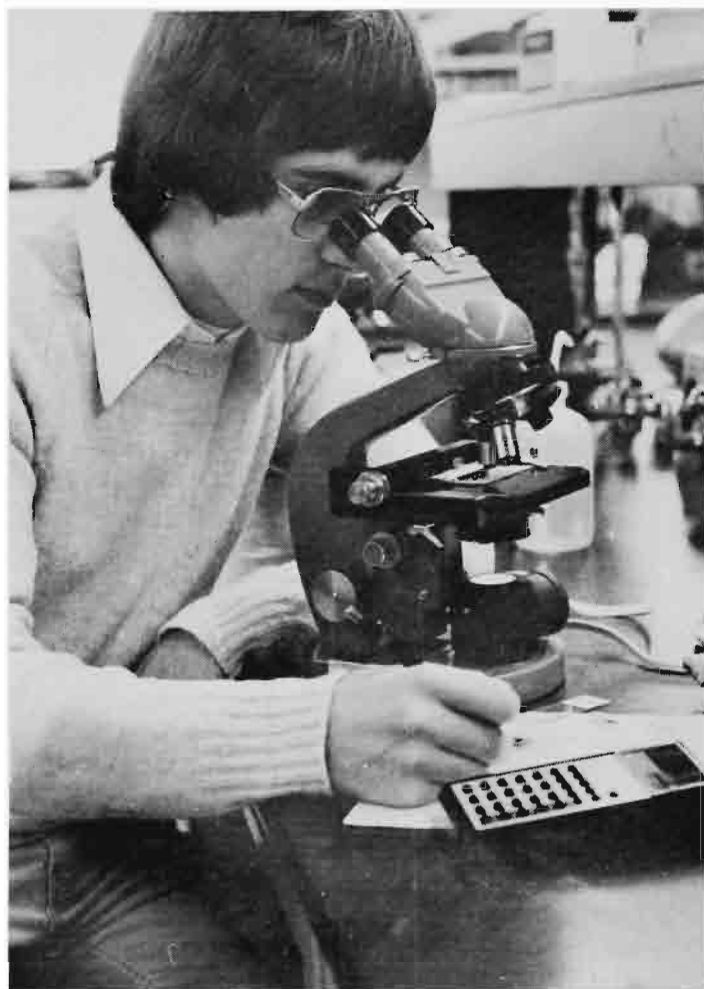
Prerequisite: Surveying I.

(1.3)



FACULTY AND ADMINISTRATION

J. Allgaier	B.A., M.A.	English
L. Anderson	I.D.	Welding
M. Applegate	R.N., B.Sc.N.	Nursing
L. Backman	I.D.	Dental Assisting
M. Baehr	B.A., I.D.	Business Careers
G. Baker	B.P.E., M.A.	Area Director, C.E.S., Burns Lake
C. Bardal	B.S.F., R.P.F.	Forest Resource Technology
M. Barrena	B.A., M.A.	Spanish
K. Barry	R.N., B.Sc.N.	Practical Nursing
G. Bebault	B.Sc., Ph.D.	Chemistry
P. Beckmann	B.Sc., M.Sc.	Mathematics
D. Blacker		Millwright
J. Blake	B.Comm, M.B.A., C.A.	Bursar
W. Blits	I.D.	Small Engine Repair
W. Broeksma		Millwright
S. Burgess	I.D.	Heavy Equipment Operating
B. Butkus	B.A., Ph.D.	A.B.E. English and Math
G. Butterworth	I.D.	Millwright
J. Cioe	B.A., M.A., Ph.D.	Psychology
J. Connors	B.Sc.	A.B.E. Math and Physics
K. Conroy	B.A., M.A., M.S.W.	Counsellor
M. Croken	R.N., I.D.	Practical Nursing
J. Crow	B.Sc., Ph.D.	Chemistry
A. Cunningham		Falling and Bucking
A. Danesh	B.A., M.A.	Political Science/Sociology
K. Dawson	I.D.	Regional Director Vocational Programs, CABES
A. Dayle		Director, Trades
B. Dickens	B.S.F., R.P.F.	Forest Resource Technology
H. Dockrill		Dental Assisting
A. Dumas	B.Sc., P.Eng.	Construction Technology
R. Dunsmore	B.S.F., M.F.	Forest Resource Technology
P. Durkee	B.B.A., M.A.	Economics
E. Epp	B.F.A., M.A.	Art
J. Fabricant	B.A., M.S.	Early Childhood Education
E. L. Faulkner	B.Sc., M.Sc., Ph.D.	Geology
C. Fortin	I.D.	Welding
B. Fraser	B.A., R.N., B.Sc.N.	Nursing
K. Friedrich	B.Sc.N.	Practical Nursing
N. Frood	R.N., B.Sc.N.	Nursing
W. Garrett	B.A., M.A., Ph.D.	Director, Liberal Arts
J. Gattrell	B.A., M.L.S.	Social Sciences
M. Gee	B.Ed., Comm. Cert. F.T.M. (Dip)	Reader Services Librarian
E. Genser	B.Ed., M.Ed., Dip.	A.B.E. English and Math
J. Gillespie	B.S.F., R.P.F.	Art
G. Girvan	B.A., M.A.	Forest Resource Technology
R. Green	B.Comm., C.A.	French
J. Harris	B.A., M.A., Ph.D.	Business Careers
J. Hsieh	B.A., M.A.	English
G. Heinzmann	R.N., I.D.	Business
B. Husband	B.Comm., B.L.Sc., M.B.A.	Practical Nursing
G. Ingalls	B.A., M.A.	Librarian
R. Insley	B.Sc., M.Sc.	Philosophy
G. Jackson	I.D.	Mathematics
C. Jarosch	B.S.A., M.Sc.	A.B.E. English
J. Jensen	I.D.	Biology
J. Keefe	I.D.	Electrical
H. Klassen	B.Sc.	Forest Resource Technology
D. Kuntz	R.N., B.Sc. N.	Area Director, CABES,
C. Lee	B.A., M.Sc., Ph.D.	Vanderhoof
F. Leonard	B.A., M.A.	Nursing
A. Leveridge	Dip. Tech., C.I.M., C.D.P., C.P.M.	Mathematics
R. Maida	B.A., M.Sc.	History
B. Malcolm	B.Sc., M.Sc.	Business/Data Processing
R. Martin	I.D.	Counsellor
J. May	R.N.	Chemistry
R. Miller	B.Sc.	Welding
M. Mingay		Practical Nursing
C. McCaffray		Business/Data Processing
T. McDonald	B.Sc., M.A.	Electrical
B. McKinnon	B.A., M.A.	Principal
J. A. McVey	M.A., (Hons.), M.A.	Psychology
V. Nau	B.Sc. (Honours)	English
R. Nelson	B.Sc., M.Sc., Ph.D.	Geography
F. Nordin	I.D.	A.B.E. Chemistry
E. Peacock	I.D.	Physics
K. Plett	B.A., M.L.Sc.	Business Careers
G. Powers	I.D.	Drafting
P. Ramsey	B.A., M.A.	Librarian
I. Reaugh	I.D.	Automotive
E. Ritch	B.Sc., M.Ed.	English



P. Roberts	B.P.E., M.Ed.	Counsellor
E. Robertson	B.Ed.	Business Careers
P. Robinson	B.Comm., M.B.A.	Director, Business and Industrial Technology
D. Rubadeau	B.A., M.S., Ph.D.	Psychology
W. Rush	B.Comm.	A.B.E. Math
T. Sawtell	B.A., M.Ed.	Study Skills
R. Scales	B.A., M.Ed.	Dean of Student Services and Registrar
P. Seens	B.A., M.A., M.L.Sc.	Librarian
S. Shaffer	B.A., M.A.	English
K. Sedgwick	B.A., M.A.	Geography
G. Sinclair	R.N., B.Sc.N.	Director, Health Sciences
J. Sketchley	I.D.	Heavy Duty Mechanics
F. Snaychuk		Heavy Equipment Operator
J. Speckeen	R.N., B.A., M.Ed.	Practical Nursing
T. Stageberg	B.S.Ed., M.Ed.	Study Skills
D. Stearns	B.S.F.	Forest Resource Technology
D. Steer	R.N., B.Ed.	Nursing
S. Stefanson	I.D.	HEO/Logging
R. Stevenson	B.A., M.S., Ph.D.	Biology
N. Tarrant		Dental Assisting
B. Thair	B.A., M.A., Ph.D.	Biology
J. Therres	I.D.	Power Engineering
R. Thorsen	B.P.E., M.P.E.	Athletics/Recreation
T. Toulson	B.A., M.A.	Co-ordinator
P. Trushel	B.A., Ph.D.	Dean, Community and Adult Basic Ed. Services
G. Tunnell	B.Sc., M.A., Ph.D.	Mathematics
P. Usher	B.P.E., M.A., Ph.D.	Anthropology
E. Vasseur	I.D.	Physical Education
R. Watters	B.A.Sc., P.Eng., R.P.F.	Business Careers
J. Waters	B.A., M.A.	Forest Resource Technology
A. Wilkinson	B.Sc., M.Sc.	English
S. Waddington	R.N., B.Sc. N	Biology
G. Wood	C.A.	Nursing
S. Wagner	Teaching Certificate and B.Sc. Agr.	Business Administration
		Business Administration
		Business Careers

COLLEGE BOARD – JANUARY 1979

The governing body of the College is a board comprised of members appointed by the School Districts which form the College Region and the Lieutenant Governor in Council.

SCHOOL DISTRICT APPOINTEES:

M. Millar, School District No. 55 (Burns Lake)
J. Griffith, School District No. 56 (Nechako)
R. Rushant, School District No. 57 (Prince George)
M. Nielsen, School District No. 28 (Quesnel)

GOVERNMENT APPOINTEES:

J. French, Vanderhoof
M. Chen, Prince George
L. Smith, Prince George
D. Flynn, Prince George
G. Barr, Quesnel

ADVISORY COMMITTEES

Several programs at CNC have Advisory Committees comprised of interested and knowledgeable members of the Community and College personnel. The purpose of these Committees is to review curriculum and program standards to ensure that the students will receive the best possible education with an eye toward seeking meaningful employment upon graduation.

BUSINESS ADMINISTRATION

B. Boyd - Prince George Regional Hospital
D. Green - Kellett, Pritchard and Sabiston
L. Winthrop - Prince George Pulp and Paper Limited
F. Wall - Woodward's Store
J. Evans - Citizen Newspaper
J. Ullstrom - Gardner McDonald and Company
C. Bristow - Canada Employment and Immigration Commission
M. Sieck - Medical Records, Prince George Regional Hospital
T. A. Morrow
W. Plumridge - Prince George Construction Association
J. Row - General Contractor
M. Sambad - Sambad Electrical Services Limited
P. Sorensen - Prince George Construction Association
E. Unger - General Contractor
T. H. West

CONSTRUCTION TECHNOLOGY

K. Lunn - Imperial Mechanical Limited
T. Morrow
P. Sorensen - Prince George Construction Association
T. West
M. Sambad - Sambad Electrical Services Limited
J. Row - Crossroads Construction Company Limited
D. Hodgson - Botting and Associates
F. Hedges
J. Earl - Earco Mechanical Contractors
J. Dean - Acme Masonry Limited
P. Sherba - Northway Electric Limited

DATA PROCESSING

G. Davison - School District No. 57
J. Mullane - Netherlands Overseas Mills Limited
M. Nash - School District No. 57
J. Parry - City of Prince George
J. Prill - Northwood Pulp and Timber Limited
G. Runschke - Logica Computer Services Limited
C. Tordiffe - School District No. 57

DENTAL ASSISTING

J. Fahey
J. Thorsness
D. Hodges
E. Standish

DRAFTING

B. Larmour - B.C. Hydro and Power Authority
A. Smeds - B.C. Telephone
A. Beaumont - Department of Highways
N. Glass - B.C. Forest Service
S. Ross
G. Webb - Prince George Pulp and Paper Limited

EARLY CHILDHOOD EDUCATION

R. Johansen - Prince George Day Care Society
M. MacKenzie - Sprucecland Parent Participation Nursery School
E. Millar - Northern Interior Health Unit
J. Gareau - Central Interior Special Services to Children
K. Lavoie - School District No. 57
T. Carlson - Westwood Day Care
D. Lofstrom - Prince George YM-YWCA
A. Martin - Child Development Centre
J. Samek - Prince George Day Care Society
J. McGogy - Willow Day Care
B. Conway - Sprucecland Elementary School
P. Klugston - Ministry of Human Resources
B. Garrett - College of New Caledonia
S. Chursky - MacKenzie Day Care Society
J. Katorski - MacKenzie Day Care Society
H. Schmidt
S. Foster - McBride Day Care Society
N. Bjarnsason - Play Group
B. Wyatt - Play Group
Quesnel Day Care Society
Burns Lake Day Care Centre Society

ELECTRICAL

D. Irvine - Local 344, International Brotherhood of Electrical Workers
R. Kinnear - Electrical Contractors Association (BC)
Takla Forest Industries Limited
L. Thurber
K. Dawson - College of New Caledonia
R. Watters - College of New Caledonia
J. Angus - B.C. Hydro and Power Authority
B. Campbell - Western Joint Electrical Training Society
L. Heney - Local 2203, International Brotherhood of Electrical Workers
R. Huston - Northwood Pulp and Timber, Bulkley Valley Forest Industries Ltd.
D. Jones - Cariboo Pulp and Paper Limited
M. Sambad - Sambad Electrical Service Limited
J. Steel - B.C. Forest Products
K. Wishart - Prince George Pulp and Paper Limited
A. Bater - Bater Electric Service Limited
S. Hannah - Canadian Paper Workers' Union, Local 603
D. Stromgren - Northwood Pulp and Timber Limited
P. Womersley - Canex Placer Limited
L. Shankel - Pulp and Paper Workers of Canada, Local 9

ELECTRONICS

D. Alendal - Broadcast Technical Services Limited
W. Drake - C.N. Telecommunications
Ron Drane - B.C. Telephone Company
R. Gibson - B.C. Telephone Company
R. Larson - B.C. Hydro and Power Authority
R. Roerges - B.C. Hydro and Power Authority
D. Surbey
D. Wegilin - B.C. Forest Service
R. Watters - College of New Caledonia

FOREST RESOURCE TECHNOLOGY

C. Winther - East Fraser Logging Limited
A. Nevison - Industrial Forest Service Limited
M. Isenor - B.C. Forest Service
C. Johnson - B.C. Forest Service
D. Wallin - B.C. Forest Service
D. Parker - Lakeland Mills Limited
M. England - Netherlands Overseas Mills Limited
T. Harding - B.C. Forest Products
A. Strimbold - A. E. Strimbold Limited
W. Haviland - Prince George Pulp and Paper Limited
E. Marples - Takla Logging Company Limited
L. Johnson - Northwood Pulp and Timber Limited
V. Scofield - Northern Interior Lumber Sector, Council of Forest Industries of B.C.
R. Harrison - Babine Forest Products
G. Frood - Rustad Brothers Company Limited
T. Mogensen - International Woodworkers of America
J. Newman - Weldwood of Canada Limited

HEAVY EQUIPMENT OPERATORS/LOGGING

B. Diether - Canada Employment and Immigration Commission
B. Murdock - Six Mile Lake Logging
D. Callaghan - B.C. Independent Logger's Association
J. Martens - Plateau Mills Limited
P. Ogawa - Houston Forest Products Limited
G. Burns - Canada Employment and Immigration Commission
K. Watson - Northwood Pulp and Timber Limited
B. Stowell - The Pas Lumber Company Limited
J. Togyi - Takla Forest Products Limited
H. Lloyd - Howard J. Lloyd Logging Limited
D. Morris - Takla Forest Products Limited
V. Scofield - Northern Interior Lumber Sector, Council of Forest Industries of B.C.
G. Kirschke - Six Mile Lake Logging
D. Flynn
F. Grimbly - McDermids and Lofting (1967) Limited

HUMAN SERVICE AIDE

C. Beatty - Van Bow Treatment Centre
G. Burns - Canada Employment and Immigration Commission
K. Cameron - School District No. 57
A. Dayle - College of New Caledonia
M. Gordon - Cariboo Action Training Society
N. Griffin - Aurora Activity Centre
S. Hayward - Crisis Centre
R. Hooper - Department of Human Resources
J. Kennedy - School District No. 57
J. Kirkpatrick - Mental Health Unit
F. Lanigan - B.C.A.N.S.I.
M. Luttrell - Public Health
B. McKellar - Probation Branch
A. Martin - Cerebral Palsy Association, Child Development Centre
E. Ozust - Project Search
J. Preston - D.H.R.
D. Rubadeau - College of New Caledonia
M. Smith - B.C.A.N.S.I.
R. Smith - Reception Planning Centre
E. Temperley - School District No. 57
N. Turlock - Outreach



NURSING(PN)

S. Merrick
H. Smyk - Prince George Regional Hospital
L. Pasiuk
D. Donkins - G. R. Baker Memorial Hospital
J. Mortimer
T. Williams - St. John's Ambulance
K. Conroy - College of New Caledonia

NURSING Diploma

A. Linnes - Duchess Park Secondary School
E. Gerdes - Northern Interior Health Unit
K. Green - G. R. Baker Memorial Hospital
N. MacDonald - St. John's Hospital
B. Nightingale - Burns Lake and District Hospital
E. Sparks - Prince George Regional Hospital
G. Bauman
B. Boyd - Prince George Regional Hospital
A. Mooney - St. John's Hospital
J. Phil Staniland
G. Sinclair, CNC
J. Speckeen, CNC
V. Jenkins
J. Ellingsen
C. McCaffray, CNC
A. Dayle, CNC
D. Scales, CNC

POWER ENGINEERING

L. Santano - Prince George Pulp and Paper
D. Cooper - Northwood Pulp and Timber Limited
H. Croft - Prince George Regional Hospital
J. Forster Sr. - Department of Public Works
C. Greenwald - B.C. Forest Products
G. Harry - Weldwood of Canada Limited
H. Hutton - Pulp, Paper and Woodworkers of Canada Engineers' Council
J. Lees - Intercontinental Pulp and Paper
T. Miller - Weyerhaeuser Canada Limited
G. Burns - Canada Employment and Immigration Commission
M. Norris - Canada Employment and Immigration Commission
L. Paulson - Intercontinental Pulp and Paper
E. Moore - Intercontinental Pulp and Paper
M. Roberts - School District No. 57
A. Webb - Westcoast Transmission Company Limited
T. White - Department of Public Works
B. Wright - Cariboo Pulp and Paper Company
J. Albertson - B.C. Forest Products
Westcoast Transmission Company Limited
R. Finlay - Pacific Petroleum
R. Hunter - Eurocan Pulp and Paper
J. Madsen - Cancil
K. Finlay - Northern Lights College

RECREATIONAL

J. Ellis - YM-YWCA
P. Lindsay - Prince George Senior Secondary School
G. McClenaghan - Community Recreation Branch
T. Masich
P. Roberts - College of New Caledonia
W. Smith - Department of Travel Industry, Community Recreation Branch
R. Thorsen - College of New Caledonia
A. Warburton - Civic Properties and Recreation Commission
A. Dayle - College of New Caledonia
C. McCaffray - College of New Caledonia
S. Allen - College of New Caledonia

SMALL ENGINE REPAIR

B. Hilland - Interior Powersaw Limited.
S. Robertson - Forest Chainsaw Limited
I. Hordos - Heather Power Tool Limited
T. Martell - Tom Martell Limited
G. Christiansen - K and G Small Engine Limited
B. Docherty - Prince George Leisure Time
P. Tait - Department of Labour
H. Dockray
W. Pettis - Canada Employment and Immigration Commission
B. Dumbeck - Power Sports

WELDING

H. Hausot - Beaver Steel Inc.
M. Wilson - Finning Tractor Limited
D. Yorston - QM Machinery Limited
F. Ibis - Northwood Pulp and Timber Limited

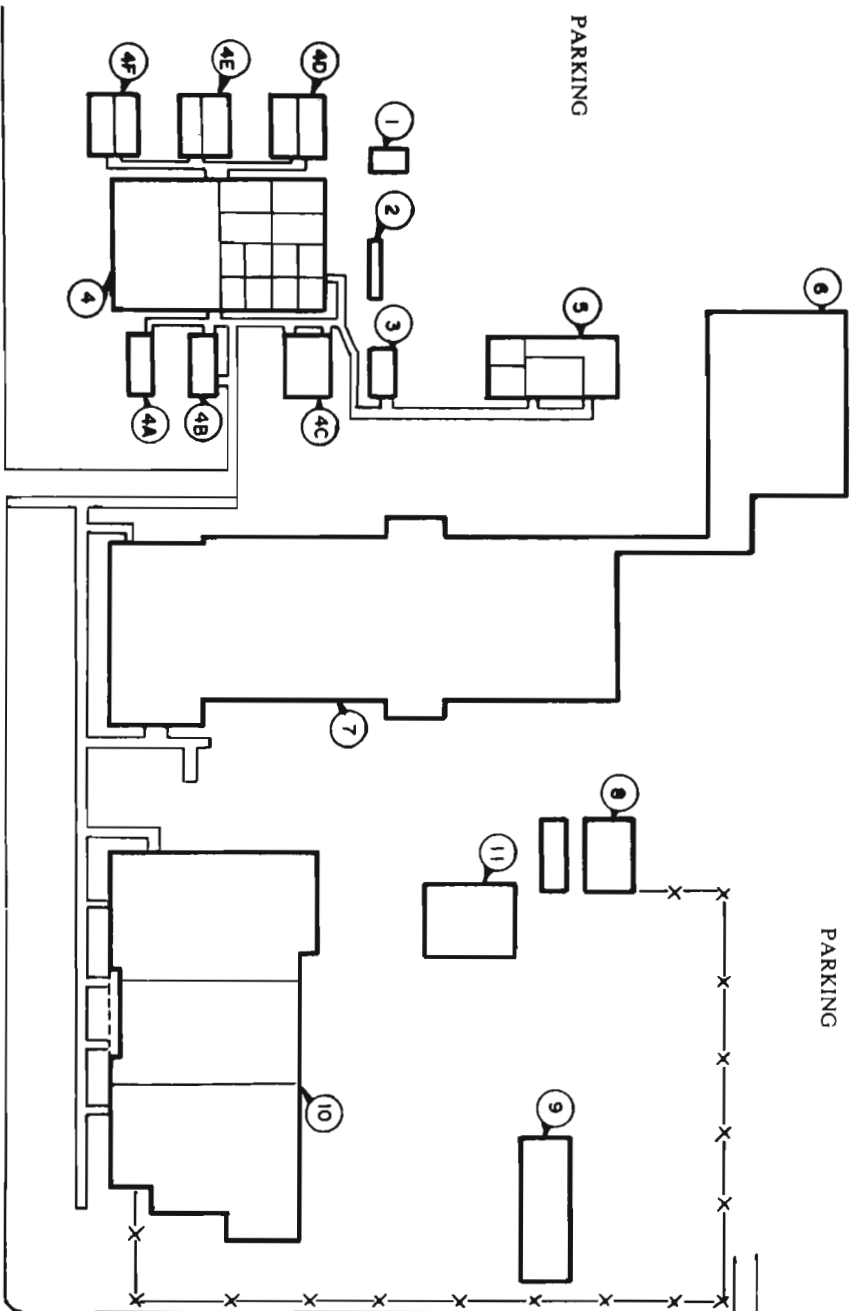
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FOR ORIENTATION POINT
ARROW TO BYPASS HIGHWAY



PARKING



COLLEGE OF NEW CALEDONIA MAP OF CAMPUS

- 1 - FORESTRY OFFICE
- 2 - FIRE SIMULATOR
- 3 - LOG LOUNGE
- 4 - SMITHERS BLDGS.
- 5 - QUESNEL BLDG.
- 6 - FT. ST. JAMES BLDG.
- 7 - VANDERHOOF BLDG.
- 8 - BURNS LAKE BLDG.
- 9 - VALEMOUNT BLDG.
- 10 - MACENZIE BLDG.
- 11 - BOILER BLDG.
- 12 - WAREHOUSE

HIGHWAY 97 (BYPASS)

THE COLLEGE OF NEW CALEDONIA

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