

*R. Speed*

# **EVENING DIVISION COLLEGE ARTS AND SCIENCES**

**INCLUDING WORKSHOPS**

A division of the Vancouver Public School System operated by the Board of School Trustees School District No. 39



## **VANCOUVER CITY COLLEGE**

**KING EDWARD CENTRE**

**CALENDAR 1966-1967**



Eng Drama 103  
Psychology 101  
Biology 101  
French 100

**EVENING DIVISION  
COLLEGE ARTS AND SCIENCES**

**INCLUDING WORKSHOPS**

**CALENDAR  
1966-67**

**KING EDWARD CENTRE**

**951 West 12th Avenue  
Vancouver 9, B.C.  
Telephone 738-3191**

This calendar gives details of fees, registration procedure, courses, programs, and class schedules for courses offered after 3:30 p.m.

College Art and Sciences courses offered before 3:30 p.m. are restricted to Vancouver residents.



## VANCOUVER CITY COLLEGE

comprising

King Edward Centre	—951 West 12th Avenue
Vancouver Vocational Institute	—250 West Pender Street
Vancouver School of Art	—249 Dunsmuir Street

is operated by the

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J. D. NEWBERRY —*Principal, King Edward*

S. V. CLARKE —*Principal, V.V.I.*

F. A. AMESS —*Principal, V.S.A.*

The Faculty of the Evening Division includes professionally qualified instructors and experienced business and professional persons.



# CALENDAR

## 1966-67

### FALL TERM

July 4 - August 31:	Pre-registration counselling and placement testing for College Arts and Sciences and College Technical programs. Fall Term registration. First day of classes. Last day for change of courses. Thanksgiving Day; centre closed. Last day for fee refunds on withdrawal from courses. Last day for withdrawal from courses. Remembrance Day; centre closed. Last day of Fall Term classes. Centre closed. Fall Term ends.
September 1, 2, 6:	
September 7:	
September 16:	
October 10:	
October 14:	
November 4:	
November 11:	
December 17:	
December 23-26:	
December 31:	

### SPRING TERM

January 3, 4:	Registration and counselling for College Arts and Sciences and College Technical programs. First day of classes. Last day for change of courses. Last day for fee refund on withdrawal from courses. Last day for withdrawal from courses. Good Friday; centre closed. Easter Monday; centre closed. Last day of Spring Term classes. Spring Term ends.
January 5:	
January 11:	
February 10:	
March 17:	
March 24:	
March 27:	
April 22:	
April 30:	

### SUMMER TERM

May 1, 2:	Registration for Summer Term. First day of classes. Last day for change of courses. Victoria Day; centre closed. Last day for fee refund on withdrawal from courses. Department of Education examinations for College Preparatory Program students wishing to write these examinations. Last day for withdrawal from courses. Last day of Summer Term classes. Summer Term ends.
May 3:	
May 10:	
May 22:	
June 9:	
June 19-28:	
July 21:	
August 25:	
August 31:	



## COLLEGE ARTS AND SCIENCES

A wide variety of College Arts and Sciences courses is offered through the Evening Division in the fields of English, social studies, mathematics, foreign languages, and physical and life sciences.

Students who successfully complete a two-year approved selection of courses will qualify for the Vancouver City College Diploma. Many of these courses prepare students also for further study at universities and other colleges.

## ENTRANCE REQUIREMENTS

The basic entrance requirement is graduation from a British Columbia senior secondary school or completion of the Vancouver City College Preparatory Program.

Entrance standing also will be granted to students who meet the following requirements:

- a) Completion of the equivalent of B.C. senior secondary school standing in some other school system;
- b) Completion of a qualifying program prescribed by the College;
- c) Acceptance by special arrangement in view of a candidate's particular experience, maturity, and background;
- d) Completion of a college entrance examination battery considered acceptable to the College (for mature students only).

## COUNSELLING AND REGISTRATION

Counselling and registration for College Arts and Sciences courses take place just prior to the start of each term. Registration for the 1966 Fall Term will be held in the King Edward Centre gymnasium:

9:00 a.m. to 5:00 p.m. and 6:30 p.m. to 9:00 p.m.

Thursday, Friday and Tuesday, September 1, 2 and 6  
(except Friday evening).

STUDENTS MUST BRING PAST ACADEMIC RECORDS FOR  
EVALUATION AND PLACEMENT

For students without previous school records, a placement testing service is available at King Edward Counselling Centre.

Pre-registration counselling and assistance in course selection are available at the Counselling Centre during August—8:30 a.m. to 4:30 p.m. and 6:30 p.m. to 9:00 p.m. weekdays (except Friday evenings).



## FEES

### COLLEGE ARTS AND SCIENCES AND COLLEGE TECHNICAL WORKSHOPS

Arts and Sciences Tuition Fee: \$20 per course per term to a maximum of \$100 per term (except where otherwise noted).

Workshop Fee: \$30 per term.

Non-Resident Fee: Additional \$5 per course per term to a maximum of \$25 per term.

Students under 21 whose parents reside in Vancouver City and all students over 21 who reside in Vancouver are classed as residents. With a few exceptions all others are classed as non-residents. Counsellors will inform those students who will be assessed non-resident fees.

Late Registration Fee: \$2 per course per term to a maximum of \$10 per term.

Late registration will be considered only under exceptional circumstances.

## DIPLOMA REQUIREMENTS

Diploma requirements permit a high degree of flexibility in program selection to provide for individual student needs. These requirements include completion of a core program and a major field of study.

### 1. CORE SUBJECTS (at least 7 courses)

#### (c) Communication

3 courses from among those offered in the Department of English;  
2 of the 3 courses must be in sequence

#### (b) Social Science

Any 2 courses from among those offered by the Department of Social Sciences

#### (c) Mathematics and/or Science

Any 2 courses from among those offered by the Department of Mathematics and/or Science

### 2. MAJOR FIELD OF STUDY (at least 8 courses)

Every four-term program is related to job preparation or to more advanced study. Each program requires a group of at least 8 courses that provides a concentration of study in a particular field such as accounting or science. The major fields in the Technical Programs are listed under that heading. The major fields in Non-Technical Programs are: English and Social Sciences, English and Modern Languages, Life and Physical Sciences, Mathematics and Science, Modern Languages, Pre-Technical Studies, Social Sciences.

### 3. ELECTIVES

Students may select courses to complete their programs from among those in which they are eligible to enrol. These may be related to their major field of study or may provide background in some field of particular interest to the student.



## OTHER VANCOUVER CITY COLLEGE EVENING PROGRAMS

### 1. Business Administration Certificate Program

A College certificate will be awarded by Vancouver School Board in association with Vancouver Board of Trade to students who complete an approved program including "Effective Communication", "Management Policy and Practice" and additional appropriate courses selected in consultation with counsellors.

This program is unique in that the sequence of courses may be selected to meet the needs of those in different industries or businesses.

Credits may be awarded for approved courses in technical subjects related to the student's field of employment; for example, those in the construction industry might select "Critical Path Planning" or "Building Construction Estimating" in a program.

As a result of consultation with counsellors, programs can be designed to suit those in automotive, mechanical, power engineering, commercial, or service occupations.

### 2. College Preparatory Program

The College Preparatory Program is patterned after the Department of Education's Adult Secondary program and is available to adults holding a Grade 10 standing or equivalent. Students will select one of the three options available this year—academic, technical or commercial. Introductory courses are available for students who have not completed Grade 10 standing; they should see the counsellors about these courses.

Completion of the preparatory program qualifies students for admittance to Vancouver City College. Grades earned will be recognized by the provincial Department of Education for standing at Grade 12 level on the Adult Secondary program in all cases except where department examinations may be prescribed.

Instruction in the preparatory program is offered in four-month terms on the same schedule as college academic courses. Each four-month term represents the work of a complete course for which a final grade is assigned. The fall term runs from September to December, 1966; the spring term from January to April, 1967, and the summer term from May to August, 1967.

Register for these courses August 29 to September 1, September 6 to 8, and on September 10 at the centres where they are offered (See "College Preparatory" calendar).

### 3. Three Technical Programs

The following three programs are offered at Vancouver Vocational Institute, 250 West Pender Street, Vancouver 3, B.C., telephone 681-8111. Details regarding admission, registration, starting times, fees, and class schedules may be obtained from VVI counsellors who will be on duty from 7:00 p.m. to 9:30 p.m. Monday to Thursday inclusive, after September 15, 1966.

Registration and counselling for all three programs are carried out at VVI.

#### A. Data Processing Certificate Program

This program is offered in co-operation with the Vancouver Chapter of the Data Processing Management Association. A certificate is awarded for the satisfactory completion of three pre-requisite courses and suitable options totalling 60 credits.

#### B. Technical Drafting Program

This is a program designed to qualify its graduates for junior positions in the structural or mechanical drafting fields. Previous drafting experience is not required, but the applicant needs certain pre-requisites for admission and is required to have a pre-registration counselling interview.

#### C. Electronics Certificate Program

Designed to provide electronic training for students unable to attend day classes, this intensive, highly technical three-year program requires attendance 3½ hours per night two nights a week for 30 weeks in each of the three years. Extensive laboratory instruction supplements the lectures.

### 4. Two Workshops

The following two College technical workshops will be offered in the Evening Division of the 1966 Fall Term at King Edward Centre. Students should register for these workshops Thursday, September 1; Friday, September 2, or Tuesday, September 6, between 9:00 a.m. and 5:00 p.m. or between 6:30 p.m. and 9:00 p.m. (except Friday evening).



### A. Executive Secretarial Workshop

This program will be limited to applicants with several years of appropriate office experience. Reasonable typing skill and training in shorthand are pre-requisites.

The workshop, a requirement for completion of the Executive Secretary Training Program, includes the improvement of basic secretarial skills, study of secretarial duties, and development of the personality required by a successful executive secretary.

A minimum of three years of successful evening study will complete the College certificate requirements for the Executive Secretary Training Program.

### B. Drama Workshop

Successful participation in the Drama Workshop is one of the requirements of the Theatre Arts Program offered at King Edward Centre. Successful completion of the equivalent of two 4-month terms of day instruction is required for the College certificate.

The Drama Workshop emphasizes the acquisition of skills through improvisation and the encouragement of creative imagination. Practice is given in the development of sensory awareness, communication, and characterization.

## SCHEDULE OF CLASSES COLLEGE ARTS AND SCIENCES

### FALL TERM - 1966

If enrolment warrant, the following classes will be available in the Fall Term, 1966:

#### ENGLISH

Course	Time	Days	
<b>English 07</b>	English as a Second Language		
Section 1160	8:30 p.m.	T & Th	Room 40
<b>English 15A</b>	Communication		
Section 1125T	3:30 p.m.	M, T, W & Th	Room 22
<b>English 17A</b>	Literature and Composition		
Section 1187	3:30 p.m.	M, T, Th & F	Room 6
1188	3:30 p.m.	M, T, W & Th	Room 40
1189	3:30 p.m.	M, W, Th & F	Room 23
1190	3:30 p.m.	M, T, Th & F	Room 1
1191	4:30 p.m.	M, T, W & Th	Room 6
1192	4:30 p.m.	M, T, W & Th	Room 7
1193	4:30 p.m.	M, T, W & Th	Room 1
1194	7:00 p.m.	T & Th	Room 40
1195	7:00 p.m.	M & W	Room 1
1196	8:30 p.m.	T & Th	Room 6
1197	8:30 p.m.	M & W	Room 1
<b>English 17B</b>	Literature and Composition		
Section 1199	7:00 p.m.	T & Th	Room 6
<b>English 23</b>	A Survey of English Literature		
Section 1110	3:30 p.m.	M, T, Th & F	Room 7
1111	7:00 p.m.	M & W	Room 7
<b>English 24</b>	A Survey of English Literature		
Section 1106	8:30 p.m.	M & W	Room 7

#### SOCIAL SCIENCES

<b>Geography 18</b>	Physical Geography (Meteorology and Climatology)		
Section 1706	3:30 p.m.	M or T or W	Room 43
"		and Th & F	Room 50
1707	7:00- 9:00 p.m.	M	Room 44
"	6:30- 7:30 p.m.	W	Room 44
1729 lab.	7:30- 9:30 p.m.	W	Room 44
1708	8:00-10:00 p.m.	T	Room 44
"	7:00- 8:00 p.m.	Th	Room 44
1730 lab	8:00-10:00 p.m.	Th	Room 44
Other Geography 18	Lab. Sections:		
1727	3:30- 5:30 p.m.	M	Room 44
1728	3:30- 5:30 p.m.	W	Room 44



<b>History 22</b>	Modern European History (1900-1939)		
Section 1611	3:30 p.m.	M, W, Th & F	Room 18
1612	7:00 p.m.	T & Th	Room 18
1613	8:30 p.m.	M & W	Room 20

<b>History 23</b>	Modern European History (1939 to the Present)		
Section 1617	7:00 p.m.	M & W	Room 20

<b>History 24</b>	Early Canada (from Cartier to Confederation)		
Section 1632	3:30 p.m.	M, T, W & Th	Room 19
1633	4:30 p.m.	M, T, W & Th	Room 18
1634	7:00 p.m.	T & Th	Room 19
1635	8:30 p.m.	M & W	Room 18

<b>History 25</b>	Modern Canada (a Century of Confederation)		
Section 1620	8:30 p.m.	T & Th	Room 19

<b>Psychology 15A</b>	Fundamentals of Psychology		
Section 1507	3:30 p.m.	M, T, W & Th	Room 59
1508	3:30 p.m.	M, T, W & Th	Room 58
1509	4:30 p.m.	M, T, W & Th	Room 58
1510	7:00 p.m.	T & Th	Room 58
1511	8:30 p.m.	M & W	Room 21

<b>Psychology 15B</b>	Behaviour Theory		
Section 1515	7:00 p.m.	M & W	Room 21

<b>Psychology 17</b>	Applied Psychology		
Section 1518T	3:30 p.m.	M, T, W & Th	Room 51

<b>Sociology 20</b>	Introduction to Sociology (Theory)		
Section 2701	7:00 p.m.	T & Th	Room 41

## MATHEMATICS

<b>Mathematics 15A</b>	Trigonometry and Analytic Geometry		
Section 2004	4:30 p.m.	M, T, W & Th	Room 4
2005	7:00 p.m.	M & W	Room 4
2006	7:00 p.m.	T & Th	Room 23
2007	8:30 p.m.	T & Th	Room 23

<b>Mathematics 15B</b>	Analytic Geometry and Calculus		
Section 2012	8:30 p.m.	T & Th	Room 5

<b>Mathematics 16A</b>	Modern Mathematics		
Section 2015	8:30 p.m.	M & W	Room 37

<b>Mathematics 17A</b>	Trigonometry, Analytic Geometry and Calculus		
Section 2023	3:30 p.m.	M, T, W & Th	Room 5
2024	8:30 p.m.	T & Th	Room 4
2025	8:30 p.m.	M & W	Room 3
2026	7:00 p.m.	M & W	Room 37

<b>Mathematics 17B</b>	Analytic Geometry and Calculus		
Section 2032	7:00 p.m.	T & Th	Room 5

<b>Mathematics 18</b>	Mathematics of Finance		
Section 2035	7:00 p.m.	T & Th	Room 28

<b>Mathematics 19</b>	Mathematics of Business		
Section 2040	7:00 p.m.	M & W	Room 28

<b>Mathematics 20</b>	Introduction to Computer Science and Data Processing		
Section 2042	8:30 p.m.	M & W	Room 4

<b>Mathematics 23</b>	Basic Statistical Measurement		
Section 2045	8:30 p.m.	T & Th	Room 28

<b>Mathematics 27A</b>	Calculus		
Section 2047	7:00 p.m.	M & W	Room 3

<b>Mathematics 29A</b>	Algebra and Geometry		
Section 2050	7:00 p.m.	T & Th	Room 4

## FOREIGN LANGUAGES

<b>French 17A</b>	Intermediate French		
Section 1217	3:30 p.m.	M, T, W & Th	Room 17
1218	7:00 p.m.	T & Th	Room 39
1219	8:30 p.m.	M & W	Room 39

<b>French 17B</b>	Intermediate French		
Section 1224	7:00 p.m.	M & W	Room 39

<b>French 19A</b>	French Language and Literature		
Section 1210	7:00 p.m.	M & W	Room 17

<b>German 15A</b>	Modern Conversational German		
Section 1417	8:30 p.m.	M & W	Room 8

<b>German 16</b>	Reading German		
Section 1416	4:00 p.m.	M & W	Room 8

<b>German 17A</b>	Elementary German		
Section 1410	3:30 p.m.	M, W, Th & F	Room 9
1411	4:30 p.m.	M, T, W & Th	Room 9
1412	8:30 p.m.	M & W	Room 9

<b>German 17B</b>	Elementary German		
Section 1414	7:00 p.m.	M & W	Room 9

<b>German 19A</b>	Intermediate German		
Section 1403	7:00 p.m.	M & W	Room 8



## PHYSICAL AND LIFE SCIENCES

<b>Physics 15A</b>	Mechanics		
Section 2506	6:30- 8:30 p.m.	T	Room 12
"	6:30- 7:30 p.m.	Th	
2520 lab.	7:30- 9:30 p.m.	Th	Room 11
<b>Physics 25A</b>	Advanced Mechanics		
Section 2500	6:30- 9:30 p.m.	M & W	Room 12
<b>Chemistry 05</b>	Introduction to Chemistry		
Section 712	3:30 p.m.	M. W. F and T or Th	Room 41 Room 41B
<b>Chemistry 15A</b>	Introduction to Chemistry		
Section 703	6:30- 7:30 p.m.	M	Room 41
"	6:30- 8:30 p.m.	W	Room 41
739 lab.	7:30- 9:30 p.m.	M	Room 24
Other Chemistry 15A Lab Sections:			
Section 735	3:30- 5:30 p.m.	M	Room 24
736	3:30- 5:30 p.m.	T	Room 24
737	3:30- 5:30 p.m.	W	Room 24
<b>Biology 16A</b>	General Biology		
Section 509	3:30 p.m.	M, W, Th & F	Room 29
510	4:30 p.m.	M. T. W and Th or F	Room 50 Room 29
511	6:30- 7:30 p.m.	M	Room 50
"	6:30- 8:30 p.m.	W	Room 50
543 lab.	7:30- 9:30 p.m.	M	Room 30
512	6:30- 7:30 p.m.	T	Room 50
"	6:30- 8:30 p.m.	Th	Room 50
544 lab.	7:30- 9:30 p.m.	T	Room 30
Other Biology 16A Lab sections:			
Section 540	3:30- 5:30 p.m.	M	Room 30
541	3:30- 5:30 p.m.	W	Room 30
542	3:30- 5:30 p.m.	F	Room 30
<b>Biology 23</b>	Introduction to Genetics		
Section 503	6:30- 7:30 p.m.	T	Room 29
"	6:30- 8:30 p.m.	Th	Room 29
525 lab.	7:30- 9:30 p.m.	T	Room 29
<b>Biology 25</b>	Human Physiology		
Section 501	6:30- 8:30 p.m.	M	Room 26
"	6:30- 7:30 p.m.	W	Room 26
521 lab.	7:30- 9:30 p.m.	W	Room 25
<b>Executive Secretarial Workshop</b>			
	7:00-10:00 p.m.	M & W	Room 47
<b>Drama Workshop</b>			
	7:00-10:00 p.m.	T & Th	Room 32

## GENERAL INFORMATION

### EXPLANATION OF GRADES

Student work at the College is reported by a system of five classifications:

#### A—DISTINGUISHED GRADE

The student consistently distinguishes himself in examinations, reports, projects, and class participation.

#### B—ABOVE AVERAGE GRADE

The student consistently shows mastery of the course and is able to relate its content to other knowledge.

#### C—AVERAGE GRADE

The student shows evidence of comprehension of the subject matter, indicating success in the next higher course in the same field.

#### P—MINIMUM PASS GRADE

The student obtains a minimum pass standing in examinations, reports, projects, and class participation. He is given credit for the course but generally is not permitted to proceed to the next higher course in the same field.

#### F—FAILING GRADE (no credit granted)

The student does not give evidence of understanding the course content in the specific subject field.

In addition to the above, the following two administrative classifications are used:

#### I—INCOMPLETE (no credit granted)

The student has failed to write the final examination or he has not attended regularly after final date for term withdrawals.

#### W—WITHDRAWAL (no credit granted)

The student has completed official withdrawal requirements.

The grade point equivalents of the letter grades are as follows:

A—4	P—1
B—3	F—0
C—2	I—0
	W—0



## COLLEGE BOOKSTORE

The Vancouver City College Bookstore, adjacent to the student lounge, carries all textbooks and supplementary books for college courses plus other books and periodicals of general interest.

Certain equipment for science and mathematics courses also is available. Special books and materials may be ordered through the bookstore.

It is also the campus shop for college sweaters, rings, and other items of special interest to students.

The bookstore is open evenings 6:30 p.m. to 9:00 p.m. Monday to Thursday, and during the daytime Monday to Friday.

## LIBRARY AND STUDY ROOM

The Library, on the third floor, and the Study Room, opposite the main floor office, are open day and evening.

A listening room used in conjunction with the language lab (both rooms are accessible from the Library) is available for study and review of a selection of foreign language and English taped lessons and literature selections. Tapes are available at the Library desk.

## CAFETERIA

The Cafeteria, located on the lower floor of the gymnasium building, offers meals and snacks until 7:00 p.m.

## PARKING

Student parking is available on the lower lot only, at reasonable rates. The parking area surrounding the buildings on the upper lot is reserved for faculty parking.

## STUDENT SOCIETY AND SERVICES FEES

A Student Society fee of \$1.00 is levied on all students enrolled in College Arts and Sciences and in Technical Workshops to provide funds for the operation of the student organization.

A Student Services fee of \$2.00 is levied on all **regular** students (registered in three or more courses). The College administration disburses funds obtained from this fee to support College publications and special educational and recreational events.

## COURSE DESCRIPTIONS

Following are the College Arts and Sciences courses which are being offered by the Evening Division:

### ENGLISH

#### English 07

#### ENGLISH AS A SECOND LANGUAGE

This course is intended to help those students who have an elementary knowledge of English but need to improve their facility in speaking and writing before proceeding to college courses. A non-credit course for which no fee is charged to full-time students. 3:1:0

#### English 15A

#### COMMUNICATION

A study of the role of communication in society. Stress on the communications skills of reading, writing, speaking and listening. Particular attention will be given to developing the student's ability to gather, organize and present ideas effectively. 3:1:0

#### English 17A

#### LITERATURE and COMPOSITION

Literature of the 20th Century with special consideration of forms and techniques characteristic of modern literary developments; the study and application of principles of composition that underlie effective, mature writing. Students who plan further study in English literature should enrol in this course. 3:1:0

#### English 17B

#### LITERATURE and COMPOSITION. 3:1:0

#### English 23

#### A SURVEY OF ENGLISH LITERATURE

The Medieval World in English Literature, the

English Renaissance, the Seventeenth Century.

Prerequisite: English 15B or English 17B. 3:1:0

#### English 24

#### A SURVEY OF ENGLISH LITERATURE

The Augustans and the Age of Reason, the Romantic Period, the Victorian Age.

Prerequisite: English 15B and English 17B.

**Note:** Students who are making English a major field of study are advised to complete English 23 before enrolling in English 24. 3:1:0



## SOCIAL SCIENCES

### Geography 18

**PHYSICAL GEOGRAPHY** (Meteorology and Climatology)

A science laboratory course providing an introduction to the sciences of weather, climate, soils and cartography. 2:1:2

### History 22

**MODERN EUROPEAN HISTORY** (1900 - 1939)

A study of Europe at the turn of the century; the causes, events and aftermath of World War I; the "search for security" and the League of Nations; the Great Depression and the rise of totalitarian states. 3:1:0

### History 23

**MODERN EUROPEAN HISTORY** (1939 to the Present)

A study of the conflicts leading to World War II; the events and global aspects of the war; the "Cold War" tensions; the impact of growing Communism and the emergence of "Red China"; the collapse of colonialism and resultant rise of the new nationalism in Asia and Africa.

**Note:** Students planning advanced study in history are advised to take History 22 as a prerequisite to History 23. 3:1:0

### History 24

**EARLY CANADA** (from Cartier to Confederation)

The story of early French and English colonies on the Eastern coast through the period of colonial rivalry, the British conquest, the conflict of cultures, and political development to 1867. 3:1:0

### History 25

**MODERN CANADA** (a Century of Confederation)

The growth of Canada from sea to sea, the emergence of a new nation after World War I, the problems of the Great Depression, our surging industrial development in World War II, and our increasing activity in international affairs.

**Note:** Students planning advanced study in history are advised to take History 24 as a prerequisite to History 25. 3:1:0

### Psychology 15A

**FUNDAMENTALS OF PSYCHOLOGY**

An introduction to the study of human behaviour. This course will examine the historical antecedents to the science of psychology, and physiological and neurological basis of behaviour, sensation and perception, motivation and emotion, learning and related concepts. 3:1:0

### Psychology 15B

**BEHAVIOUR THEORY**

A second term introductory study of human behaviour which will include investigations into individual differences, personality theory, social behaviour and the methods by which these behaviour concepts are evaluated. 3:1:0

### Psychology 17

**APPLIED PSYCHOLOGY**

A study of the individual in his work environment, with an emphasis on the application of psychological knowledge to such areas as selection, training, supervision, human engineering, labor relations, etc. 3:1:0

### Sociology 20

**INTRODUCTION TO SOCIOLOGY** (Theory)

An introduction to the development of the main ideas, concepts, and theories in sociology and anthropology. 3:1:0

## MATHEMATICS

### Mathematics 15A

**TRIGONOMETRY and ANALYTIC GEOMETRY**

This introductory course and Mathematics 15B are not intended for students who plan advanced study of mathematics in the fields of pure or applied science but will provide a useful background for pre-technical students and others desiring a background in fundamental mathematics. Use of the slide rule and practical applications will be included.

Prerequisite: Mathematics 91 or equivalent. 3:1:0

### Mathematics 15B

**ANALYTIC GEOMETRY and CALCULUS**

3:1:0

### Mathematics 16A

**MODERN MATHEMATICS**

This course is designed for the student who desires a knowledge of some of the aspects of "Modern Mathematics." The course will be useful for students planning to enter the teaching profession. It will also provide valuable training for those who plan to study computer technology.

Topics include: symbolic logic, sets and subsets, number bases, modular arithmetic, binomial and multi-nomial theorems, and probability.

Prerequisite: Mathematics 30 or 11 or equivalent.

### Mathematics 17A

**TRIGONOMETRY, ANALYTIC GEOMETRY and CALCULUS**

This introductory course and Mathematics 17B are intended for students who plan advanced study of



	<p>mathematics in the fields of pure or applied science. These courses are a prerequisite for Mathematics 27A.</p> <p>Prerequisite: Mathematics 91 or equivalent. 3:1:0</p>
<b>Mathematics 17B</b>	<b>ANALYTIC GEOMETRY and CALCULUS 3:1:0</b>
<b>Mathematics 18</b>	<p><b>MATHEMATICS OF FINANCE</b></p> <p>An introductory course in the mathematics of finance and investment.</p> <p>Topics include: simple and compound interest, annuities, amortization and sinking funds, evaluation of investments and depreciation. 3:1:0</p>
<b>Mathematics 19</b>	<p><b>MATHEMATICS OF BUSINESS</b></p> <p>An introductory course for students of business including topics such as: simple interest, bank discount, present value, personal borrowing, payroll and wage systems, life insurance, various kinds of general insurance, sales and property taxes, cash discounts, trade discounts, mark-ups, etc. 3:1:0</p>
<b>Mathematics 20</b>	<p><b>INTRODUCTION TO COMPUTER SCIENCE AND DATA PROCESSING.</b></p> <p>The objectives of this course are: to acquaint the students with the material encompassed by data processing and computer science; to prepare students who may decide to enter the field of computer science; and to provide all students with a basic understanding of the concept and operation of a stored program computer.</p> <p>Topics include: number systems and binary arithmetic, Boolean algebra, basic computer operation, programming and computer logic.</p> <p>Prerequisite: Mathematics 30 or 11, or equivalent. 3:1:0</p>
<b>Mathematics 23</b>	<p><b>BASIC STATISTICAL MEASUREMENT</b></p> <p>Provides students with a basic understanding of statistics. Topics included: obtaining numerical data, organization and presentation, variability, nature of samples and sample distribution. 3:1:0</p>
<b>Mathematics 27A</b>	<p><b>CALCULUS</b></p> <p>Integration, applications of the definite integral, differentiation and integration of transcendental functions, special methods of integration.</p> <p>Prerequisite: Mathematics 17B or equivalent. 3:1:0</p>
<b>Mathematics 29A</b>	<p><b>ALGEBRA AND GEOMETRY</b></p> <p>Algebra of matrices, linear transformation of the plane, determinants, vectors.</p> <p>Prerequisite: Mathematics 27A and B which may be taken concurrently. 3:1:0</p>

## MODERN LANGUAGES

### French 17A

#### INTERMEDIATE FRENCH

A continuation of all aspects of French studied in French 11 including independent reading of at least one book. Not intended for students who plan to specialize in the study of French. This course and French 17B lead to a final sequence in French: French 27A and B.

Prerequisite: French 20 (old course) or French 11 (new course). Students from outside B.C. should consult with the department. 3:0:1

### French 17B

#### INTERMEDIATE FRENCH

Further development of the speaking, reading and writing of French. Students will read at least one book independently. 3:0:1

### French 19A

#### FRENCH LANGUAGE AND LITERATURE

Primarily a literature course, but including grammar and oral and written composition for students who plan advanced study in the French language.

Prerequisite: French 92 or French 12 (new course), or a four year course elsewhere (grades 9-12). 3:0:1

## GERMAN

### German 15A

#### MODERN CONVERSATIONAL GERMAN

A beginner's course with emphasis on communication in oral and written form. The student will be introduced to reading material adapted to his own special interests, i.e. business, fine arts, technical, etc. 3:0:1

### German 16

#### READING GERMAN

This reading approach to the German language study will prepare students with no prerequisite knowledge to read books, articles, periodicals in their own fields of interests, e.g. economics, chemistry, pedagogy, tool-making, commerce, etc. A library of current periodicals is maintained for the purpose of providing useful literature. Students may, however, provide their own study material. No prerequisite required. Fee: \$10.00. 2:0:0

### German 17A

#### ELEMENTARY GERMAN

A beginner's course in oral and written composition. A prerequisite to a concentrated study of the German language. 3:0:1



**German 17B** ELEMENTARY GERMAN 3:0:1

**German 19A** INTERMEDIATE GERMAN  
Oral and written composition based on the works of contemporary German authors, short stories, and essays. Some 19th century poetry. Students who plan further study of composition and literature should enrol in this course.  
Prerequisite: German 17B or equivalent. (German 90, 9/10, 10/20).

**Note:** Open to students of German language background with the permission of the department. 3:1:0

### PHYSICAL AND LIFE SCIENCES

**Physics 15A** MECHANICS  
An introduction to elementary mechanics. The structure of matter, kinematics, dynamics, statics, energy and heat are examined in the classroom and the laboratory.  
Prerequisite: Physics 91 or Physics 11, and Mathematics 91. 3:1:2

**Physics 25A** ADVANCED MECHANICS  
An advanced study of vectors, Galilean invariance, dynamics, energy, momentum, harmonic oscillators, and dynamics of rigid bodies. Mechanical laws are studied in the laboratory by electrical means.  
Prerequisite: Physics 15B.  
**Texts:** Mechanics, Berkeley Physics Course, Volume 1, Quick Calculus, Kleppner & Ramsey Part A, Laboratory Physics, Berkeley Physics Laboratory. 2:2:2

**Chemistry 05** INTRODUCTION TO CHEMISTRY  
This is an introductory course for students who do not have credit for Chemistry 11 or who demonstrate insufficient chemistry background. Successful students in this course will be prepared to enter Chemistry 15A or in cases of good achievement Chemistry 15B. Among the topics considered will be: Chemical nomenclature and equations; basic chemical laws; stoichiometry; properties of gases; methods of expressing concentrations in solutions. 4:1:2

**Chemistry 15A** INORGANIC AND PHYSICAL CHEMISTRY  
This is a course in inorganic and physical chemistry. The course will consist of: brief review of basic chemical laws, nomenclature, etc; discussion of molecular theory and properties of gases; Acid-Base Theory; oxidation-reduction and electrochemical cells; solids, liquids, changes of state; solutions and methods of expressing concentration in solution.  
Prerequisite: Chemistry 11 or Chemistry 05. 3:1:2

**Biology 16A** GENERAL BIOLOGY  
Review of the major phylum of plants and animals, the cell contents, and properties of living matter.  
Pre-requisite: Biology 11 or 15. 3:1:2

**Biology 23** INTRODUCTION TO GENETICS  
Principles of genetics. The continuity and the physical basis of heredity, mutations and their effect on development, stressing the human aspects. Population genetics and eugenics will be considered.  
Prerequisite: Biology 16B. Approval of the Department Chairman is required. 3:1:2

**Biology 25** HUMAN PHYSIOLOGY  
A background in the physiology of blood and circulation, nerves and muscles, the heart, the kidney, hormones.  
Prerequisite: Biology 15B or 16B—Students are advised to take Zoology 21 concurrently. Approval of the Department Chairman is required. 2:2:2

A supplement listing course descriptions, fees, registration procedure, and schedules for classes starting in January, 1967 will be available after November 15, 1966.