معهد هايكازيان

HAIGAZIAN COLLEGE

ՀԱՅԿԱԶԵԱՆ ԳՈԼԷՋ



CATALOGUE
1978–1980

H-17

FOUR-YEAR LIBERAL ARTS

HAIGAZIAN COLLEGE

RUE DU MEXIQUE
KANTARI
BEIRUT, REPUBLIC OF LEBANON

8721

A MEMBER INSTITUTION OF
ASSOCIATION OF INTERNATIONAL
COLLEGES AND UNIVERSITIES –
EUROPE, Inc.

CATALOGUE 1978-1980

Correspondence: P.O.Box 1748, Beirut, Lebanon
Telephone: 349230 – Cable: HAIGAZCOL – Beirut

Table of Contents

Calendar 1978-1979 4
Board of Trustees in the U.S.A. 6
Board of Managers in Lebanon 6
Administration and Staff 7
Faculty 7
The History and Purpose of the College 12
Brief Note on the History 12
The Purpose of the College 13
Haigazian College Degrees 14
Admission Requirements 15
Procedure for Application 15
Application Dates 15
Selection of Applicants 15
General Requirements 16
Admission to the Freshman Class 18
Admission to the Sophomore Class 21
Admission by Transfer from Recognized Colleges and Universities 23
Admission of Special Students 24
College Regulations 25
Academic Rules and Regulations 25
Classification of Students 25
Examinations and Grading 25
Cumulative Average 26
Academic Recognition 26
Academic Probation 27
Dismissal from the College 28
Normal Load of Full-Time Students 28
Repeating Courses 29
Cross Registration at Other Institutions 29
Transfer Credit 30
Withdrawal from Courses 30
Withdrawal from the College 30
Attendance Regulations 31
Transcripts and Certificates 31
Fees and Expenses 32
Refund of Tuition 32

Financial Aid Programs 33
Activities 33
Student Publications 34
Libraries 34
Program of Study 34
Divisional Organization (1978-79) 34
Sophomore Certificate Program 35
Bachelor of Arts and Bachelor of Science Programs 36
Normal Diploma Program 37
College Extension Program 38
Operation of the Program 38
Special English Program 38
Evening College Program 39
Summer School 39
Courses of Instruction 39
Course Numbers 39
Divisional Requirements 40
Center for Armenian Studies 40
Division of Business Administration and Economics 40
Division of Humanities Languages and Literature 42
Division of Sciences 44
Division of Social and Behavorial Sciences 45
Courses of Instruction 48
Arabic 48
Armenian Language 49
Armenian Literature 50
Armenian History 52
Armenian Cultural History 55
Biology 57
Business Administration 59
Chemistry 62
Computer Science 64
Economics 65
Education 67
English 69
French 72
General Science 72
History 72
Intercultural Studies 74
Mathematics 75
Philosophy 78
Physics 78
Political Science 81
Psychology 83
Religion 85
Sociology 85
Index 87

Academic Calendar for 1978-1979

1978

June 16, Fri.	Last day for submitting application for admission for the summer session.
June 13, Tues. 6:30 P.M.	Second semester classes end.
June 16-22, Fri.-Thurs. ...	Second semester final examinations.
June 23 – Fri.	Commencement exercises.
July 3-Aug. 26.	Summer School 1978.
July 28, Fri. 1:00 P.M. ...	Last day for submitting applications for admission for the first semester.
*Sept. 4, Mon.	Id al-Fitre,
Sept. 25-30, Mon.-Fri.	Registration and payment of fees for old students.
Oct. 2-6, Mon.-Fri.	Registration and payment of fees for new students.
Oct.7, Sat.	Faculty workshop.
Oct. 9, Mon. 7:30 A.M. ..	First semester classes begin.
Oct. 12-13, Thurs.-Fri. ...	Changes of schedule.
Oct. 13, Fri.	Last day for late registration.
*Nov. 11-12 Sat.-Sun.	Al-Adha, holiday.
Nov. 22, Wed.	Lebanese National Day, holiday.
Nov. 24, Fri.	Last day for making up incomplete work from the second semester (1977-78) and Summer School (1978).
Nov. 30, Thurs.	Last day for submitting application for admission for the second semester.
Dec. 1, Fri.	Last day for withdrawal from first semester courses.
*Dec. 2, Sat.	Moslem New Year, holiday.
*Dec. 11, Mon.	Ashura, holiday.
Dec. 18-22, Mon.-Fri.	Preliminary registration for the second semester.
Dec. 23, Sat. 1:00 P.M.	Christmas vacation begins.

*Id-el-Fitre, Al-Adha, Moslem New Year, Prophet's Birthday, and Ashoura are determined upon the appearance of the new moon and because of that the actual dates may not coincide with the dates in this calendar.

1979

Jan. 2, Tues. 7:30 A.M. ..	Christmas vacation ends.
Jan. 6, Sat.	Armenian Christmas, holiday.
Jan. 15-19, Mon.-Fri.	Second semester registration and payment of fees.
Jan. 25, Thurs. 6:30 P.M.	First semester classes end.
Jan. 29-Feb. 3, Mon.-Sat.	First semester examinations. Mid-semester vacation.
Feb. 5-10, Mon.-Sat.	St. Marun's day.
Feb. 9, Fri.	Prophet's Birthday.
*Feb. 10, Sat.	Second semester classes begin.
Feb. 12, Mon. 7:30 A.M.	Changes of schedule.
Feb. 15-16, Thurs.-Fri. ...	Last day for late registration for the second semester.
Feb. 16, Fri.	Vartanantz, holiday.
Feb. 22, Thurs.	Last day for making up incomplete work from the first semester 1978/79.
Mar. 23, Fri.	Last day for withdrawal from second semester courses.
Apr. 6, Fri.	Easter vacation begins.
Apr. 12, Thurs. 6:30 P.M.	Armenian Martyr's Day.
Apr. 24, Tues.	Easter vacation ends.
Apr. 25, Wed. 7:30 A.M. .	Labor Day, holiday
May 1, Tues.	Registration for summer session 1979 and payment of fees. Registration for first semester 1979-80;
May 21-25, Mon.-Fri.	Field Trip Day (Armenian Indpenedence Day).
May 28, Mon.	Second semester classes end.
June 7, Thurs. 6:30 P.M. .	Second semester examinations.
June 11-16, Mon.-Sat.	Commencement exercises.
June 18, Mon.	Summer School 1979.
July 2-Aug. 24	Assumption Day, holiday.
Aug. 15, Wed.	

Note : The College administration reserves the right to amend the calendar as necessary. Changes will be announced on the bulletin boards.

BOARD OF TRUSTEES IN THE U.S.A.

Mr. A. STEPHEN MEHAGIAN, Honorary Chairman
Dr. RENDEL LEVONIAN, Chairman
Mrs. HELEN BARSUMIAN GRIMSLEY, Secretary
Dr. JIRAIR SARIAN, Treasurer
Dr. SCHUYLER AIJIAN
Mr. HAROLD DEMIRJIAN
Miss MARY DIRAN
Mr. HENRY GERTMENIAN
Mr. JOHN JEMELIAN
Mr. SAM MARDIAN Jr.
Mr. LEON PETERS
The Rev. JIRAIR SOGOMIAN
Dr. SARKO TILKIAN
The Rev. EDWARD TOVMASSIAN

EX-OFFICIO MEMBERS

Mr. ARCHIE CHERKEZIAN, President, Armenian Missionary Association of America Board of Directors
The Rev. Dr. GIRAGOS CHOPOURIAN, Executive Director, Armenian Missionary Association of America
Dr. NORAIR SARIAN, Western Vice President, Armenian Missionary Association of America
Mrs. SUZIE PHILIPS, Chairman, Women's Auxiliary, Los Angeles
Miss NANCY SANOIAN, Chairman, Women's Auxiliary, Fresno
Dr. KEGHAM TASHJIAN, President, Alumni Association, California
Mr. JOHN KEYISHIAN, Chairman, Eastern Committee
The Rev. HARRY MISSIRLIAN, Representative, Armenian Evangelical Union North America

BOARD OF MANAGERS IN LEBANON

Mrs. ARTHUR (MAGGIE) MATOSSIAN, Chairperson
The Rev. YESSAI SARMAZIAN, Vice Chairman
Mr. HRAIR MOURADIAN, Recording Secretary
The Rev. HOVHANNES AHARONIAN
Mr. BESSILIOS BESSOS
Dr. RUPOVT CHORBAJIAN
Mr. ZAREH KALFAYAN
The Rev. HOVHANNES KARDJIAN
Mr. GEORGE LOSHKAJIAN
Dr. JOHN MARKARIAN, Ex Officio, Corresponding Secretary

ADMINISTRATION AND STAFF, 1977-78

JOHN J. MARKARIAN, Ph. D. .....President of the College
DZOVAG ALTOUNIAN, B.A. Secretary to the President

MANUEL M. JINBASHIAN, B. Litt. .....Dean of the College
AZADOUHI CHURUKIAN, Secretary to the Dean and Faculty Secretary

LEVON KEUSHGUERIAN* .....Business Manager
ARPIE CHA'NINE, Cashier

WILMA CHOLAKIAN, M.A. .....Registrar and Director of Student Life
ANAHID FERMANIAN B.A. .....Assistant to the Registrar
RITA PUZANTIAN B.A. Recorder
SEVAN TEKIAN, Mail Office Clerk and Switchboard Operator

JIRAIR TANIELIAN, B.A. .....Librarian
DZOVAG ALTOUNIAN, B.A. Assistant Librarian (Armenian Library)
ZEVARTE TANIELIAN, B.A. Assistant Librarian (Barsoumian Library)

FACULTY 1977-1978

SARA BATTISON*	B.S., Western Reserve University M.Ed. Kent State University	Instructor in Education
LEON BEDIRIAN*	B.A., M.A., American University of Beirut	Lecturer in Armenian studies and History
HRATCH BEDOYAN	B.A., Haigazian College M.A., American University of Beirut Ph. D. University of Oxford	Assistant Professor of Political Science
JOSEPH BITAR-GHANEM*	B.B.A., M.B.A., American University of Beirut	Instructor in Business Administration
ARTIN BOGHOSIAN	B.S., American University of Beirut M.S., Ph.D. Syracuse University	Assistant Professor of Mathematics
MEGUERDITCH BOULDOUKIAN*	B.B.A., M.B.A., American University of Beirut	Assistant Professor of Business Administration

* Part Time

WILMA CHOLAKIAN	B.A., Beirut College for Women M.Ed. Boston State College	Registrar and Director of Student Life
HAGOP DER-GARABEDIAN	B.A., M.A., American University of Beirut Ph.D. University of Kansas	Assistant Professor of Psychology
ARDA EKMEKJI	B.A., M.A., American University of Beirut	Instructor in Humanities
HANI FARRAN*	Licence, Lebanese University Teaching Diploma Lebanese University Ph.D. Southampton University, England	Lecturer in Mathematics
VERN FLETCHER*	B.A. Wheaton College B.D. Princeton Theological Seminary Ph.D. University of Chicago	Lecturer in Religion
BOGHOS GARMIRIAN	B.A. American University of Washington M.A., Ph.D. Catholic University of Washington	Assistant Professor of Political Science
RITA GUETCHERIAN*	B.Sc., M.B.A. American University of Beirut	Instructor in Business Administration
NABIL GHANDOUR*	B.A. Eastern Oregon College M.A., Ph.D. Oregon State University	Lecturer in Mathematics
HRATCH HADJETIAN	B.A., American University of Beirut M.A., Ph.D. Delhi School of Economies	Assistant Professor of Economics
ZIAD HAFEZ*	B.A., M.A., American University of Beirut Ph.D. St. Joseph University	Lecturer in Economics
AKRAM HIMADEH*	B.A., American University of Beirut M. Phil., Ph.D., Columbia University	Lecturer in Business Administration
MICHEL JIHA*	B.A., M.A., American University of Beirut Ph.D., Munster University/W. Germany	Lecturer in Arabic

* Part time

MANUEL JINBASHIAN	B.A., American University of Beirut B.D. Near East School of Theology M.A. American University, Cairo B. Litt. University of Oxford	Dean of the College
LEON KARAMANUKIAN	B.A., Ph.C., M.S., American University of Beirut	Assistant Professor of Biology
YERVANT KASSOUNY	B.A., Haigazian College Diplome d'Etudes Orientale, St. Joseph University State Ph.D. Yerevan State University	Assistant Professor of Armenian Studies
MISSAK KEHIAYAN	B.S., M.A., Columbia University	Instructor in English
ZADOUR KHACHADOURIAN*	B.S., M.S., American University of Beirut	Instructor in Mathematics
HRATCH KOUYOUMDJIAN*	B.S., M.S., American University of Beirut Ph.D. University of Kingston Upon Hull – England	Lecturer in Biology
EMILE MAALOUF*	Licence es-lettres-Universite de Lyon (Beirut Center) Ph.D. University of Cambridge	Lecturer in Arabic
VAHE MANOOGIAN*	B.Sc. Birmingham University M.Sc., Ph.D., Heriot Watt University	Instructor in Computer Science
VIVIAN MANOOGIAN*	B.Sc, Beirut College for Women M.Sc., American University of Beirut	Instructor in Biology
JOHN J. MARKARIAN	B.A. Lafayette College B.D. Princeton Theological Seminary Ph. D. Drew University	President of the College
NABIL MATAR*	B.A., M.A., American University of Beirut Ph.D. University of Cambridge	Lecturer in English
MEGUERDITCH MEGUERDITCHIAN*	B.Sc. American University of Beirut Ph.D., University of Karlsruhe/ Germany	Lecturer in Physics

* Part time

ANAHID MELIKIAN*	B.A. Wagner College M.A.L.S. University of Michigan M.A., Ph.D. University of Wisconsin	Lecturer in English
JIHAD NADER*	B.B.A., M.B.A., American University of Beirut	Instructor in Business Administration
SAMIR NASSIF*	B.A. American University of Beirut M.A. Sussex University	Lecturer in Sociology
VATCHE PAPAZIAN*	B.Sc. American University of Beirut M.Sc. University of Wisconsin	Instructor in Computer Science
MILO PERTCHEVITCH*	B.A. Haigazian College M.A. University of Keele	Instructor in English
WILLIAM RAYBURN*	Ph.D. University of Pennsylvania	Lecturer in English
JEANNETTE SAHYOUNI*	Licence in Law Cairo University Diploma in Teaching English, Ein Shams University Cairo	Lecturer in English
HIKMAT SALMAN*	B.A. – American University of Beirut M.A., University of Minnesota	Lecturer in Business Administration
ALEX SALIBIAN*	B.A. Haigazian College M.B.A. American University of Beirut	Instructor in Business Administration
KASSIM SHAABAN*	Licence in English Language and Literature, Lebanese University; Teaching Diploma Lebanese University M.A., Ph.D. University of Texas	Assistant Professor of English
ALI SHAMSEDDINE*	B.Sc., Lebanese University D.I.C., Ph.D. London University Imperial College	Lecturer in Physics
ABDUL RAHMAN SIDANI*	B.S., M.S., American University of Beirut Ph.D, Memphis State University	Assistant Professor of Chemistry

* Part time

SHAVARSH TORIGUIAN*	LL.B., London University Diploma in International Affairs Ph.D. University of Oxford	Professor of Political Science
ANAHID TOROSSIAN*	B.A. Beirut College for Women M.A. American University of Beirut	Instructor in Psychology
BERJ YENOVKIAN	B.A., M.A., American University of Beirut	Instructor in Business and Economics
GEORGE ZEENNY*	B.A. Haigazian College M.A. American University of Beirut	Instructor of English

LABORATORY TECHNICIAN 1977-1978

RICHARDOS HABER	M.Sc. Biology-Marine Sc.

NOTE:

Lecturers-Part-time Faculty who have the rank of Assistant Professor and above.

Instructors – Part time Faculty who have the rank of Instructor

The History and Purpose of Haigazian College

A BRIEF NOTE ON THE HISTORY OF THE COLLEGE

The determination on the part of the Armenian Evangelical communities in the United States and the Near East to establish a College of liberal arts in Beirut, Lebanon, is fully consonant with the emphasis this community has always placed upon the importance of education in the growth and development of its people.

In the early history of the Evangelical movement in Turkey, the missionaries found in the Armenian people a strong force for the development of educational institutions both from the standpoint of the thirst for education and the willingness to contribute generously to the financial support of such institutions. In the late 19th and early 20th centuries, the evangelical community in Turkey gave large sums even out of their poverty for the support of their churches, and of these sums over one half was for education.

Haigazian College, named in honor of Dr Armenag Haigazian, former headmaster of Jenanyan Institute in Konya, Turkey, was founded in 1955 by the Union of Armenian Evangelical Churches of the Near East, the Armenian Missionary Association of America and a special grant by Mr. & Mrs. A. S. Mehagian, son-in-law and daughter of Dr Haigazian. The founding president of the College was Dr. John J. Markarian who served until June 1966. After a two year interim, the President was Dr. Gilbert Bilezikian who served for three years. In 1971 Dr. Markarian returned to the presidency of the college and is in that position at the present time.

The College opened with 43 students in 1955. It reached the number of 650 students with a faculty and staff of 80 before the 1975-76 civil disturbance. The present enrollment is about 340 with a faculty and staff of 50. The Bachelor of Arts and the Bachelor of Science degrees in various fields have been granted to 835 students.

The College began in a 10 room house converted for College use and named Webb Hall in honor of the owner who made the property available through the American Board of Commissioners for Foreign Missions of the Congregational Church. Later a seven story building was erected in stages to include laboratories, offices and classrooms. This building has been named the Mehagian Building in honor of Mr. & Mrs. A. Stephen Mehagian whose original grant made possible the opening of Haigazian College.

The Mugar Building acquired in 1972 includes the college libraries and administrative offices. It is named in honor of the parents of Mr. Stephen P. Mugar whose grant made possible the purchase of the building.

THE PURPOSE OF THE COLLEGE

The purpose of HAIGAZIAN COLLEGE is to provide a sound education in a Christian atmosphere beyond the secondary level while maintaining true Armenian standards and principles in its corporate and academic work. The College is coeducational, open to qualified students of good character and adequate academic preparation regardless of race, nationality or creed.

The College is constantly dealing with four elements in its life which in their balance and tension with one another provide an insight into its purpose. These four elements may be described as the academic process, the church-related character, the Armenian national cultural heritage, and the Lebanese-Arab milieu. These elements are not mutually exclusive nor are they easily described as separate characteristics, yet in their separateness and taken together they represent the purpose and meaning of the College.

The academic process may best be defined as a developing implementation of studies in the arts and sciences which will confront youth in the classroom, laboratory and library. Concretely this means that the academic development in terms of faculty and curriculum should be in a process which contains the tried and true, as well as the new.

The College is church-related. The Armenian Evangelical Community is the responsible owner and manager of the College. The College seeks to prepare teachers and ministers for the Armenian Evangelical schools and churches. But it also seeks to serve a wide variety of students representative of all the religious groupings in Lebanon. There is open discussion with those of other faiths and denominational backgrounds. There is an opportunity for insight into religions as well as into the mission of the church. It is hoped that there may be academic freedom grounded upon the true freedom in Christ and that each student might gain at the College convictions basic to a life pleasing to God.

The College has roots which lie not only in a church-related community but also in a particular ethnic context, the Armenian. This important element of purpose is developed in the peculiar situation of people in a diaspora. Thus certain avenues of ethnic development are closed. It is not possible that the language of instruction be Armenian. This would exclude others and would betray a fundamental need for wider contact and relationship. All of the students cannot be Armenian. The Armenian orientation of the College is developed at its best in the Armenological Department which offers degree programs and in the Armenian library which is an intellectual center for the Armenian community.

The College is Lebanese. Its life is part of the life of the Arab world as that is experienced in Lebanon. The cosmopolitan student body and faculty, the freedom for interchange of ideas, the quality of Arab studies, the social life and mentality all partake of the Lebanese contribution. Most of the students and faculty and Board of Managers are Lebanese. The College is training

teachers primarily for schools in Lebanon in which the Lebanese system of education with the Baccalaureate emphasis is the pattern.

This then is the purpose of Haigazian College – to be growing academically, to be a Christian institution, to be Armenian and Lebanese.

HAIGAZIAN COLLEGE DEGREES

The Haigazian College as an officially recognized institution of higher learning in Lebanon offers the Bachelor of Arts and the Bachelor of Science Degrees. These degrees are recognized by the Lebanese Government as equal to the Lebanese Licence granted by the Lebanese University.

Students to be eligible for this degree must posses the Baccalaureate, part II, or its equivalent when they enter the Sophomore class and complete successfully three years of college education.

The Bachelor of Arts and Bachelor of Science together with the Normal Diploma of the College are equivalent to the Teaching Licence.

The Bachelor of Arts in Business admits students to candidature to third class government positions which thus makes the degree equivalent to the Licence in Law or its equivalent.

Admission Requirements

I. PROCEDURE FOR APPLICATION

All applicants for admission must fill out a formal Application for Admission provided by the Admissions Office of the College, and submit it together with documents specified on the application form, to the Admissions Office. When all necessary materials are received, they are reviewed by the Admissions Committee, and an answer is sent to the applicant whether or not he has been accepted.

Applications for admission will be considered and answered only after all of the following items have been presented:

(1) a photostatic copy of identity card or passport;
(2) a recent passport-size picture;
(3) an official transcript of scholastic record for the last three years of secondary school and a transcript of all college work;
(4) a recommendation from the principal of the last school attended (on the special form provided with the application);
(5) Certificate received upon completion of secondary education (if a photocopy is presented, it must be endorsed by the ministry of education that issued the certificate);
(6) The grades of official examinations endorsed by the Ministry issuing the certificate;
(7) an application fee of 50 L.L. (not refundable).

Note : Items 3 and 4 must be sent to the College directly by the principal of the last school. The following fees are also applicable:
(a) Late application fee of 100 L.L. (not refundable)
(b) Renewal of application and readmission fee of 50 L.L. (not refundable)

II. APPLICATION DATES

The final dates for submitting applications for admission for the coming two academic years (1978/79 – 1979/1980) are:
July 28 for Fall Semesters.
November 30 for Spring Semesters.
June 16 for Summer Sessions.
It is highly advisable to apply well before these dates. Applications received after these dates will be considered only when there is space available.

III. SELECTION OF APPLICANTS

Candidates who have fulfilled the requirements set out below and have

presented their complete records are considered by the Admissions Committee. Selection is made on the basis of a good record, character recommendation, Entrance Examination results, and available space.

IV. GENERAL REQUIREMENTS

A. SECONDARY CERTIFICATES

Applicants of Lebanese nationality may be admitted as regular students only on the basis of the Lebanese Baccalaureate Part II or its officially recognized equivalent.

Non-Lebanese students of countries which have official Secondary School Certificates may be admitted as regular students on the basis of the Government Secondary School Certificate of their country or any one of the official certificates listed in this catalogue under ADMISSION TO THE FRESHMAN CLASS BY OFFICIAL SECONDARY CERTIFICATES and ADMISSION TO THE SOPHOMORE CLASS BY OFFICIAL SECONDARY CERTIFICATES. Holders of Official Secondary School Certificates listed under ADMISSION TO THE FRESHMAN CLASS may be admitted into the Sophomore Class if they pass the full Sophomore Entrance Examinations (See section on ADMISSION TO THE SOPHOMORE CLASS BY FULL ENTRANCE EXAMINATION).

Non-Lebanese students from countries which have no official Secondary School Certificate, but where a High School Diploma is awarded at the completion of secondary school which admits to university work in those countries may be admitted as regular students on the basis of the High School Diploma and satisfactory scores on the College Board Examinations or the Full Entrance Examinations of the American University of Beirut.

Students falling in one of the categories mentioned above whose secondary certificate is recognized as equivalent to the Lebanese Baccalaureate, part II, may be admitted into the regular programs of the college leading to the Bachelor's degree officially recognized as the equivalent of the Licence. Other students admitted on the basis of a High School Certificate and AUB Full Entrance Examinations will receive a degree which is not officially recogniized by the Lebanese Ministry of Education.

B. TECHNICAL AND COMMERCIAL CERTIFICATES

These certificates are not recognized for admission to this College. If, however, such certificates are recognized by the Government of the applicant or in the country where the applicant studies as equivalent to the official secondary school certificate, their holders will be eligible for admission to this College, after passing the full entrance examinations.

C. ADVANCED STATUS

Candidates whose academic preparation qualifies them to attain advance standing in any subject may petition the Admissions Committee for transfer

of credit or exemption from requirements in that subject.

D. ENTRANCE EXAMINATIONS

D. ENTRANCE EXAMINATIONS

All candidates must demonstrate proficiency in English by passing the English Entrance Examination given by the Office of Tests and Measurements of the American University of Beirut. Candidates who fail the English Entrance Examination may apply for admission to the Special English Program. Students in the following categories are excused from this requirement, but taking the examination is to their advantage since a high score (600 or above) may excuse them from the requirement of English 101-102.

a. Students who are residents of an area where the test of the American University of Beirut is not given may present the Test of English as a Foreign Language (TOEFL).

b. Native Speakers of English who have had their secondary education in a school in which English is the language of instruction are exempt from this requirements.

c. Graduates of high schools which are accredited in the United States may present the College Entrance Examination Board achievement test in English Composition.

d. Students who are admitted on the basis of G.C.E. examinations, including English language, are exempt from this requirement.

e. Special students who plan to study only courses which are not taught in English are exempt from this requirement.

2. Arabic Examination

All candidates of Arab nationality (except students of Armenian descent, students whose native language is not Arabic, and students who have not had a secondary school program which prepares them for college level work in Arabic) must pass the Arabic Examination of the Office of Tests and Measurements of the American University of Beirut. Students who are admitted on the basis of an official secondary certificate issued by an Arab country or which includes Arabic as one of the subjects passed are exempt from this requirement.

3. Registration for Entrance Examinations

All Entrance Examinations mentioned in the ADMISSION REQUIREMENTS section of this cataglogue are given by the Office of Tests and Measurements of the American University of Beirut (with the exceptions of TOEFL and the CEEB tests which are given by the Educational Testing Service, Princeton, New Jersey, U.S.A. Arrangements can be made to take these tests

at A.U.B.). The following information applies to the tests of the Office of Tests and Measurements at A.U.B.:

a. Procedure for Registration

Candidates must appear **in person** to register for examinations at the Office of Tests and Measurements. 501 Nicely Hall. Legal identification (passport or identity card) and a separate, passport-size photograph will be required.

b. Fees

Fees are 35 Lebanese Pounds per subject. The fees for late examination applications when accepted are 50 Lebanese Pounds per subject.

c. On the Examination Day

Each candidate should be sure to bring to the examination room, Room 500, Nicely Hall, the following items:
1. His paid receipt bearing his photograph and candidate number.
2. His Identity Card or Passport
3. A fountain pen or a ball-point pen.

d. Re-examination

Candidates who wish to repeat any examination may do so at any subsequent scheduled examination period, except that no examination taken within the preceding sixty days may be repeated.

V. ADMISSION TO THE FRESHMAN CLASS

A. ADMISSION BY OFFICIAL SECONDARY CERTIFICATES. Holders of the following certificates are eligible to apply for admission to the Freshman class:

Note:
(1) These students may be considered for admission to the Sophomore class upon passing the full Sophomore Entrance Examinations at A.U.B.
(2) If the certificate differentiates between an Arts program and a Science program, and the candidate's certificate is in the Arts program, he will be restricted to Freshman Arts, unless he passes the Entrance Examinations in Mathematics and Sciences. A holder of a Science certificate is eligible to enter Freshman Arts or Science.
(3) If a certificate shows fewer passes or passes at a lower level than required, the student may seek admission on the basis of having completed a full secondary program (see section on ADMISSION BY FULL ENTRANCE EXAMINATIONS).

The Bahrain Secondary Certificate.

The Cyprus Gymnasium Certificate.

The Egyptian Secondary Certificate.

The Ethiopian Secondary Certificate. The following five subjects are required for admission to the Arts program: English, a second language, History or Geography, Mathematics or one science subject (General Science, Biology, Chemistry or Physics), and an elective. The following five subjects are required for admission to the Science program: English, a second language, Mathematics, two science subjects (from Biology, Chemistry, Physics). If a student has five passes but any of the required subjects are missing he may make up the deficiencies by passing the A.U.B. Entrance Examinations in the missing subjects.

The General Certificate of Education (The London G.C.E. and the Oxford-Cambridge G.C.E.). The following five subjects at Ordinary level are required for admission to the Arts Program: English Language, a second language, History or Geography, pure Mathematics or one science subject (General Science, Biology, Botany, Chemistry, Chemistry-with-Physics or Physics), one elective. The following five subjects at Ordinary level are required for admission to the Science program: English language, a second language, Additional Mathematics and two science subjects (from Biology, Chemistry, Physics). If a student has five passes but any of the required subjects are missing he may make up the deficiencies by passing the A.U.B. Entrance Examinations in the missing subjects.

The Greek Gymnasium Certificate.

The Iraq Secondary Certificate.

The Iranian Sixth Class Certificate.

The Jordanian Secondary Certificate.

The Kuwait Secondary Certificate.

The Libyan Secondary Certificate.

The Moroccan Baccalaureate.

The Oxford-Cambridge School Certificate. The same requirements as for the General Certificate of Education (above), but candidates must have reached Credit standard in the required subjects.

The Pakistan Higher Secondary Certificate. The following five subjects are required for admission to the Arts program: English, a second language,

History or Geography, Mathematics or one science subject (General Science, Biology, Chemistry or Physics) and an elective. The following five subjects are required for admission to the Science program: English, a second language, Mathematics, two science subjects (from Biology, Chemistry, Physics). If a student has five passes but any required subjects are missing he may make up the deficiencies by passing the A.U.B. Entrance Examinations in the missing subjects.

The Qatar Secondary Certificate.

The Saudi Arabian Secondary Certificate.

The Sudan Secondary Certificate. For admission to the Arts program, a candidate must have passed with Credit in the following five subjects: English, Arabic, History or Geography, Mathematics or one science subject (General Science, Biology, Chemistry, or Physics) and one elective. For admission to the Science program, a candidate must have passed with Credit in the following five subjects: English, Arabic, Mathematics, two science subjects (from Biology, Chemistry, Physics). If a student has five passes with Credit but any of the required subjects are missing, he may make up the deficiencies by passing the A.U.B. Entrance Examinations in the missing subjects.

The Syrian Baccalaureate.

The Tunisian Baccalaureate.

Other Official National Secondary Certificates that admit to university work in the country of issue.

B. ADMISSION BY FULL ENTRANCE EXAMINATIONS

A candidate who does not hold any of the above mentioned official certificates but who presents evidence of successfully completing a full secondary school course of study may be considered for admission to the Freshman class if he performs satisfactorily in the following Entrance Examinations:

English
Arabic (see section on GENERAL REQUIREMENTS FOR ADMISSION)
Mathematics
Sciences
Social Sciences

Students will be admitted into the Arts or Science program on the basis of their Entrance Examination results. If a student who is admitted into the Arts program later decides to shift to the Science program, he will be required to meet the Mathematics – Science average requirement for the Science program.

C. ADMISSION BY HIGH SCHOOL DIPLOMA AND COLLEGE BOARD ENTRANCE EXAMINATIONS

Diplomas from high schools accredited in the United States are valid for admission, provided the candidate attains a satisfactory score in the Scholastic Aptitude and Achievement (including Mathematics and a science) tests of the College Entrance Examination Board (CEEB), or passes the full Entrance Examinations at A.U.B.

VI ADMISSION TO THE SOPHOMORE CLASS

Students admitted directly to the Sophomore Class under the following provisions will be granted 30 credits and will be exempt from the Freshman course requirements of the College, provided they pass the English Entrance Examination at the Sophomore level (Candidates entering on the basis of G.C.E. must present Advanced level English Literature or pass the English Entrance Examination at the Sophomore level). Students who pass English only at the Freshman level will be granted 22 credits and will be required to take Freshman English. Once a student enters the College with Freshman level English he may not request a re-examination in English to achieve Sophomore level.

A. ADMISSION BY OFFICIAL SECONDARY CERTIFICATES

Holders of the following official certificates are eligible to apply for admission to the Sophomore Class:

Note:
If the Certificate is in the Arts program, the student is eligible to enter Sophomore Arts. It is possible to shift to the Science program by either passing the Sophomore Entrance Exams specified below, or taking the Freshman level courses corresponding to the subjects covered by these examinations. The required examinations are:
For a Biology major: Mathematics, Biology, Chemistry.
For a Chemistry major: Mathematics, Chemistry, Physics.
For a Mathematics major: Mathematics, Physics.
For a Physics Major: Mathematics, Physics.

A holder of a Science certificate is eligible to enter Sophomore Arts or Science.

The General Certificate of Education (The London G.C.E. and the Oxford-Cambridge G.C.E.). To be eligible for the Arts program, a candidate must have passed at "Advanced" level in two of the following subjects: Economics, English Literature, Geography, a History subject, Pure Mathematics, Biology, Chemistry, Physics. In addition he must have passed also at "Ordinary" level in the following subjects if he has not passed them

at "Advanced" level: English Language, a second language, History or Geography, Pure Mathematics or one science subject (from General Science, Biology, Botany, Chemistry, Chemistry-with-Physics), and any fifth subject. To be eligible for the Science program, a candidate must have passed at "Advanced" level in Mathematics, Biology and Chemistry if he wishes to do a Biology major; Mathematics, Chemistry and Physics if he wishes to do a Chemistry major; Mathematics and Physics if he wishes to do a Mathematics or Physics major. (Biology and Chemistry majors for whom two science subjects are required may be admitted if they pass one of the two subjects, but they will then be required to take the second subject at Freshman level). In addition, he must have passed also at "Ordinary" level in the following subjects if he has not passed them at "Advanced" level: English Language; a second language, Mathematics, two science subjects (from Biology, Chemistry, Physics).

If a student has passed the required number of subjects, but they are not the required subjects, he may appeal to the Admissions Committee for special consideration, or he may make up the deficiency by passing the A.U.B. Sophomore Entrance Examinations in the missing Advanced level subjects and the A.U.B. Freshman Entrance Examinations in the missing Ordinary level subjects. Students who have passed only one subject at Advanced level but have the required number of Ordinary level subjects and students who have passed two subjects at Advanced level but have fewer than the required number of Ordinary level subjects, are eligible if they pass the full Sophomore Entrance Examinations.

The New French Baccalaureate, or The Old French Baccalaureate, Part II.

The Lebanese Baccalaureate, Part II

The Oxford-Cambridge Higher School Certificate. A candidate must have reached **Credit** standard in the School Certificate in the same subjects required in the G.C.E. (above) at Ordinary level, and must have passed in the Higher School Certificate in the subjects required in the G.C.E. (above) at Advanced level.

B. ADMISSION BY FULL ENTRANCE EXAMINATIONS

A candidate who does not hold any of the above mentioned official certificated but who presents evidence of having successfully completed one year of study beyond High School may be considered for admission to the Sophomore class if he performs satisfactorily in the following Sophomore Entrance Examinations:

1. For Admission to the Arts Program;
   English
   Arabic or an Elective (See section on GENERAL REQUIREMENTS FOR ADMISSION for those required to take the Arabic examination.)

   History or Mathematics
   One science subject (Biology, Chemistry, or Physics).
2. For Admission to the Science Program:
   English
   Arabic or an Elective (See section on GENERAL REQUIREMENTS FOR ADMISSION for those required to take the Arabic examination.)
   Mathematics
   One or two science subjects depending on the major:
   - Biology majors: Biology and Chemistry.
   - Chemistry majors: Chemistry and Physics.
   - Mathematics majors: Physics.
   - Physics Majors: Physics.

Note:

a. Biology and Chemistry majors for whom two science subjects are required may be admitted if they pass one of the two subjects, but they will then be required to take the second subjects at Freshman level.

b. Students who pass three of the four required examinations will be admitted as Sophomores, but the credits of the one-hundred level courses corresponding to the missing examination will be reduced from the thirty credits normally given for full Sophomore Entrance Examinations.

c. Students who pass fewer than three of the required examinations will be given no credit. The one-hundred level courses corresponding to the examinations that have been passed will be waived.

d. Sophomore Entrance Examinations passed after a student has registered in the College may not be given and may not be considered as basis for waiver of course requirements.

VII. ADMISSION BY TRANSFER FROM RECOGNIZED COLLEGES AND UNIVERSITIES

Candidates for admission with advanced standing must present an official transcript of all college work. The students academic record will be evaluated by the Academic Standing Committee on condition that prior to their admission to the institution from which they are transferring they have met the requirements for admission to the freshman class of this College.

The student may receive credit for courses which are considered comparable to the programs offered at Haigazian College, if the grade for the course is at least 70% (or C.)

All transfer students must pass the English Entrance Examination.

Transfer students must take full Entrance Examinations unless they have successfully completed one year of College work.

VIII. ADMISSION OF SPECIAL STUDENTS

Special students are not candidates for a degree from Haigazian College.

Admission of special students normally requires only completion of Secondary School and passing the English Entrance Examination. Students who wish to enroll in courses not taught in English may be exempted from the English Entrance Examination by the Admission Committee.

Any change of status (Special to Regular) will be made only after reapplication to the Admission Committee. Courses taken prior to the change of status will not be given credit towards a degree.

College Regulations

ACADEMIC RULES AND REGULATIONS

CLASSIFICATION OF STUDENTS

Students will be classified in one of the following categories:

Freshman – students who have earned less than 24 credits.

Sophomore – students who have earned 24 credits or more and less than 54 credits. No student could be classified as Sophomore without first completing the Freshman requirement or holding the Lebanese Bacc. II or passing the full Sophomore Entrance Examination at the American University of Beirut.

Junior – Students who have earned 54 credits or more and less than 84 credits and have completed all the Sophomore requirements.

Senior – Students who have earned 84 credits or more and have completed all the Sophomore requirements.

Special – Students who are not candidates for a degree from Haigazian College.

Auditors – Students who are following courses but receiving no credit.

Classification in a given class implies that the previous class has been completed. A student wishing a certificate stating that he has completed a given class must have completed all of the requirements for the class and the following number of credits: Freshman class – 30; Sophomore class – 60; Junior class – 90; The Senior class is completed only upon graduation.

EXAMINATIONS AND GRADING

The College operates on a semester basis. First semester examinations are given in February, and second semester examinations are given in June. Class attendance is required for acquiring academic credit. Numerical grading is used. The maximum grade is 100 and the minimum grade is 50. The passing grade is 60. The following letter grades are also given:

I: Incomplete*: Given in cases of illness or other circumstances beyond the student's control. If the student presents valid reasons to the teacher before grades for the semester are reported, or within ten days from

---

* Students may not enroll in a course for which there is a prerequisite course in which they have the grade of I, unless the grade is changed to a passing grade before the end of the change of schedules period. However, students with I grades during the first semester may enroll in courses during the second semester which have incomplete prerequisites, with the following restrictions: (1) Regardless of the reason, it is understood that no course can be added after the announced change of schedule time. This means that if the Incomplete becomes an IF, after the change of schedule time, the course cannot be repeated in the second semester. (2) If the grade becomes an IF, any course for which it is a prerequisite must be dropped.

the date of the final examination in case of absence from the final examination. In such cases the work remaining in the course must be completed within six weeks after beginning of the next semester. Students may petition the Educational Policies Committee for an extension of the time limit.

IF: Incomplete Fail: Given when students having an I grade fail to complete the work within the time limit.

W: Withdraw: Given to students withdrawing from a course

XF: Not Complete: Given when a student stops attending a course without properly withdrawing from the course. Also given to students whose absence exceeds that allowed by the policy announced by the instructor of the course, when this happens after the deadline for withdrawal from courses.

CUMULATIVE AVERAGE

The cumulative average is calculated by multiplying the grade for each course with the number of credits for the course, then dividing the sum of the results by the total number of credits. For a student admitted as a Freshman, all grades of 100 level courses are excluded from the cumulative average. Students admitted to the College with less than thirty transfer credits will be treated as Freshman students.

Grades of courses transferred from other institutions are not included in the cumulative average.

The grades of W and I are not counted in the average. The grades of IF and XF are averaged as 50.

If a student repeats a course, only the last grade is computed in the average. If a student changes his major, grades below 70 in courses required for the previous major but not required for the new major are excluded from the major average only. When the repetition of courses and change of major occur before completion of the first 30 credits, the grades will be excluded from the average only after 30 credits have been completed.

ACADEMIC RECOGNITION

Placement on the Dean's List

A regular full-time student having a semester average of 85 or above will be on the Dean's List, for the semester. A student who has the required average but has a failing grade or an incomplete grade, or is on disciplinary probation will not be placed on the Dean's List.

Graduation with Honours

A student having a cumulative and major field average of 85 or above including Sophomore, Junior and Senior grades will be awarded his degree with Honors. A student having a cumulative and major field average of 90 or above including Sophomore, Junior and Senior grades will be awarded his degree with High Honors.

ACADEMIC PROBATION

Probation regulations apply to both Regular and Special students.
A student on probation is not allowed to register for more than five courses or more than 15 credits. The Academic Standing Committee has the right to restrict students on probation to fewer than five courses.

A student on probation may not hold responsible positions in extracurricular clubs and activities.

A student on probation may not receive financial aid.

Placement on Probation

A student will be placed on probation for any one of the following reasons:

(1) If the student's average for the semester is less than 70.

(2) If the student fails one or more courses in a given semester.

(3) If the student's cumulative average falls below 70.

(4) If the student's major field average falls below 70, after completion of two courses.

A summer session will count as a full semester for probation purposes.

Removal of Probation

New students who are accepted on probation will not have the probation removed before completion of at least 12 credit hours.

Probation is removed if the student's average for the semester is 70 or more, his cumulative average is 70 or more, he has not failed any course and he has no Incomplete grades. A student who fails to remove probation at the end of the semester during which he has been on probation may be dismissed from the College or permitted to continue on probation for another semester by decision of the Academic Standing Committee.

If a student who is on probation withdraws from all his courses, the semester will be disregarded and the student will be permitted to continue on probation. This procedure will be permitted only once.

DISMISSAL FROM THE COLLEGE

A student on academic probation, who fails to remove the probation by the end of the semester may be dropped from the College, unless his failure to remove probation is due to not having the required cumulative average. In such a case his probation may be continued another semester if he has not failed any of the courses for which he registered the last semester and has attained a semester average of at least 75.

A student on academic probation who gets a grade of I (Incomplete) at the end of the semester will not be allowed to register for the following semester before completion of the course and removal of probation. Students who are dropped will not be permitted to enroll either for day or evening college courses.

Consideration for readmission may be given if the student petitions the Academic Standing Committee, presenting exceptional circumstances that may have influenced his academic achievement.

Students dropped from the College for a poor academic record may be permitted – after being out of the College for at least one semester – to attend one summer session. Such students will be required to take a minimum of two courses not taken before and chosen by their advisor. If they maintain an average of 75% or better over at least two courses and meet all other conditions that may be specified by the Academic Standing Committee, they will be readmitted in the following Fall. Readmission will be on Continued Probation.

Change of Major

1. The Maximum number of times permitted to change from one major to another shall be three.

2. A student wishing to change his major must fill a change of Major form, have it approved by the Division chairman and the Admissions Committee.

NORMAL LOAD OF FULL-TIME STUDENTS

The normal load of a full-time student is five courses. Students who have a cumulative average of at least 75 and an average in the last semester of at least 80 may register for more than the normal load with the approval of their advisors. A load of six courses is not considered an overload if one of the courses is a one-credit or two-credit course. Under no circumstance should a student be allowed to register for more than 19 credits per semester.

The normal load permitted during the summer session is two courses. Students who have a cumulative average of at least 75 and an average in the last semester of at least 80 may register for three courses but not more than ten credits.

REPEATING COURSES

1. A student who fails a required course must repeat the course in the next semester it is offered.

2. Students may not repeat courses in which they have attained a grade of 70 or more.

3. Students may not repeat any course more than once.

4. If a course is repeated, only the last grade will be included in the cumulative average and major field average.

CROSS REGISTRATION AT OTHER INSTITUTIONS

The College has agreements with the Near East School of Theology, the American University of Beirut, and the Beirut University College in a program of allowing cross-registration of students from Haigazian College in the courses of the other institutions. Courses taken at other institutions under this program must be approved in advance by the Registrar. They will count as Haigazian Courses on the Haigazian record – except that they cannot be used to fulfill the Haigazian residence requirements. The following regulations apply:

1. Only full-time students will be permitted to cross-register.
2. No student may cross register for a course which is offered at Haigazian College, or which will be offered at a time when the student can conveniently take it.
3. No student may cross-register during his first semester at Haigazian College.
4. At least half the credits taken in a semester must be at Haigazian College.
5. No student on academic probation may cross-register for any course.
6. No student will be permitted to take elective courses by cross-registration if there are required courses he would be able to take at Haigazian College.
7. Students may elect to cross-register for elective courses which are not offered at Haigazian, when suitable elective courses are not available to the student at Haigazian College.
8. A student may cross-register for a course only if his average of courses previously taken at Haigazian in the field is at least 70.
9. Students may cross-register for certain courses in their major which are not offered at Haigazian College upon the recommendation of their advisor.
10. Students may be required to cross-register for certain courses which

Haigazian College is unable to offer due to a lack of demand. In such cases the restrictions on cross-registration stated above will not apply.

11. A student is expected to pay the necessary fees for cross-registration except when the cross-registration is at the request of the College.
12. These regulations may be relaxed by the Registrar in the case of students wishing to take courses at the Near School of Theology. Fees for cross-registration at N.E.S.T. will be paid by the College.

TRANSFER CREDIT

At the time of admission, the academic record of any college work the student had done previous to his admission will be evaluated and he will be granted transfer credit for all work in which he received a grade of 70 or more and which is equivalent to work at Haigazian College.

No work done at other institutions after the time of the student's admission to Haigazian College will be considered for transfer credit unless it is approved in advance by the Registrar. Work at the Near East School of Theology, the American University of Beirut, and the Beirut University College can only be applied for credit at Haigazian College if it is done in accordance with the regulations for cross-registration at these institutions. Students should ask the Registrar about applying work done elsewhere for credit at Haigazian College. All arrangements for credit must be completed in advance of the course.

WITHDRAWAL FROM COURSES

Students may be allowed to withdraw from a course until the end of the eighth week from the beginning of the semester with a grade of W. Withdrawal will not be permitted after the end of the eighth week.

Withdrawal from the English Communication Skills courses — viz., Eng. 101-102, 201 — is not allowed. No student is allowed to withdraw from any course more than twice.

A student wishing to withdraw from a course must fill a withdrawal form, have it approved by his advisor and submit it to the Registrar's Office. A student who stops attending a course without getting such approval will be given the grade XF (equal to 50) for the course.

WITHDRAWAL FROM THE COLLEGE

Students who wish to withdraw from the College should fill the withdrawal form and have it approved by the Admissions Office and the Treasurer's Office. Students may withdraw at any time prior to the first day of final examinations. Students who withdraw will be required to petition the Committee on Admissions in order to be readmitted to the College. The Committee will take into consideration the quality of the student's work prior to withdrawal when considering such petitions.

Students who fail to follow the required procedure will be given grades of XF and may be refused readmission at a later date.

ATTENDANCE REGULATIONS

Regular class attendance is expected of each student. The individual instructors are responsible for clarifying the policy of the College in the first session of the semester. If a student misses more sessions than allowed by the policy announced by the instructor, he may be notified by the teacher that he will not be given credit for the course. If the excessive absence happens before the deadline for withdrawal from courses, the grade for the course will be W; if this happens after the withdrawal deadline, the grade will be XF.

Students should never assume that classes are dismissed or the College closed by relying on information other than official administrative notices, on the bulletin boards or in the mail-boxes.

Students who are absent from tests, or other classes which involve graded work must make arrangements with the teacher for make-up work. Students should be able to provide good explanations for their absences, or they may be given a failing grade for the work by the teacher.

Absence from final examinations is permissible only for a cause beyond the student's control. Normally, permission for such absence must be secured in advance of the time of the examination. The instructor will assume responsibility for dealing with such requests.

Students who are absent from final examinations because of illness must present a medical report to the instructor within ten days from the end of the examination period in order to be eligible to take a make-up examination. Otherwise, they will be given a failing grade for the examination. The grade for a student missing a final examination will be reported by the instructor as XF. This grade must be changed to either I or a numerical grade within ten days from the end of the examination period, by which time the student must have presented to the instructor a medical report or any other supportive evidence required by the instructor to justify the absence.

TRANSCRIPTS AND CERTIFICATES

Official transcripts of record will be issued at a student's request. Copies delivered to a student will be marked as such. Students are advised to have transcripts sent directly to institutions requiring them; most institutions will not accept a transcript which is not mailed directly by the issuing college. The charge for each transcript is 4.00 L.L. and 3.00 L.L. for postage.

Other certificates and letters of recommendation will be issued on the request of a student, in accordance with College policy pertaining to the document required. All certificates must be requested three days in advance.

FEES AND EXPENSES

The Haigazian College is a non-profit institution.

The new fees for 1978/79 are as follows:

Tuition Fee (14-15 credits) per semester	1,800. – L.L.
Tuition Fee (13 credits or less) per credit	130. – L.L.
Tuition Fee (16 credits or more) per credit	120. – L.L.
Tuition Fee for auditors per credit	70. – L.L.
Registration Fee for any number of courses	50. – L.L.
Government Medical Insurance Program Fee for Lebanese students only	27. – L.L.
Deposit (refunded when students leave the College provided request is made within 30 days. At the end of 30 days unclaimed deposits are constributed to the Scholarship Fund)	200. – L.L.
Place reservation fee (will be applied to tuition during the semester for which the place was reserved – not refundable)	100. – L.L.
Application Fee for admission (not refundable)	50. – L.L.
Application Fee for readmission (not refundable)	50. – L.L.
Late registration fee	100. – L.L.
Laboratory fee per course	50. – L.L.
Graduation fee (B.A.)	50. – L.L.
Graduation fee (Sophomore certificate)	50. – L.L.
Graduation fee (Certificate or Normal Diploma when not awarded at the same time as the B.A.)	50. – L.L.
Year book fee	25. – L.L.
Textbooks and various academic expenses	600. – L.L.

REFUND OF TUITION

If a student should withdraw from the College for justifiable reasons after his registration the following refund scheme will be applicable.

Before the official start of classes	75%
During the first week of classes	50%
During the second week of classes	25%

No refund will be made beyond the end of the second week. If a student withdraws from a course during the change-of-schedule period, adjustment of fees will be made. There will be no adjustment of fees in cases of withdrawal from courses after the change-of-schedule deadline. Refunds are not made for the summer session.

FINANCIAL AID PROGRAMS

Both by low cost and by financial aid, Haigazian College seeks to make higher education available to worthy students who could not otherwise afford it. The program includes various work opportunities, usually granted on the basis of academic achievement and financial need, to meet part of the tuition expenses. There are also scholarships available for physically handicapped students who are unable to take a work assignment.
All requests for financial aid must be submitted according to the following schedule:
Students who have been in attendance at the College – June 15 for the first semester and December 15 for the second semester.
New students – July 31 for the first semester and December 15 for the second semester.
Application forms are available at the College and will be considered by the Scholarship Committee in the order in which they are received at the Office. Since there are only a limited number of Scholarships available, it is suggested that those interested make contact with the College as early as possible.

A student on Academic or Disciplinary Probation does not receive financial aid.

The work program requires that students receiving aid from the College Scholarship Fund or other funds administered by the College be assigned to jobs in laboratories, libraries, offices, Cafeteria, or in related institutions, for several hours each week. This service to the College provides useful experience to students. The number of hours assigned to each student is proportionate to the amount of financial aid which the student has been granted by the College. The College also has a very limited sum available for loans. Students who are unable to pay tuition and fees may consult with the Treasurer concerning the borrowing of money for a definite period of time. (Priority is given to junior and senior class students).
Special scholarships amounting to one half of the tuition cost are given to students who are full-time teachers.
No financial aid is available for Evening College or Summer School.

ACTIVITIES

The various extracurricular activities at Haigazian College play a central role in the College's student life. The activities are regulated and coordinated by the Student Life Office. The following are some of the clubs of the College:

The Arabic Club
The Armenian Club
The Athletic Club
The Business Society
The Campus Fellowship
The Music and Drama Club
The Science Club

The Women's Organization.
Each club has its own specific area of interest indicated by the name of the club. In separately planned programs, which are coordinated by the Student Life Office, the clubs provide for cultural, scientific, religious, athletic, and social activities in the College. Each club has a faculty Advisor who attends meetings of the club and helps its officers provide activities of maximum benefit to the College community.

STUDENT PUBLICATIONS

Several student publications are published each year under the supervision of the Publications Committee and the Advisor to Student Publications. Recently publications have included **Haigazian Herald**; the College annual **Focus**; **Spectra** the literary magazine, and **Navasart,** the Armenian literary magazine.

LIBRARIES

The Haigazian College Libraries consist of the Barsumian (English) Library and the Armenian Library, located on the second and third floors of the Mugar Building respectively.

The general collection comprises 35,000 books. Barsumian Library – 20.000, including a select Arabic collection; Armenian Library – 15,000 and 200 periodicals, scholarly journals and newspapers are received on subscription. Bound backfiles of these total over 3000 volumes.
While the Armenian Library maintains the orientation of a research library, the Barsumian Library aims at supporting and supplementing the general curriculum of the College. They provide service for both the student body and the faculty, and welcome the public to utilize the facilities they offer.
The library staff is prepared to assist students and other readers in their use of library materials. The regulations are detailed in the student handbook.

PROGRAM OF STUDY

HAIGAZIAN COLLEGE is a four year liberal arts college at university level. It offers the B.A. and B.S. degrees. In addition, it offers a Sophomore Certificate to students who successfully complete the Freshman and Sophomore classes. A Normal Diploma is also offered in conjunction with the B.A. and B.S. to students who complete a program of teacher preparation.

DIVISIONAL ORGANIZATION (1978-79)

The Divisions are as follows:

1. Center for Armenian Studies
2. Business Administration and Economics
3. Humanities, Languages and Literature (History, Inter-Cultural Studies, Religion and Philosophy), (Arabic, English and French)

4. Sciences (Biology, Chemistry, Computer Science, Mathematics and Physics)
5. Social and Behavioral Sciences (Education, Political Science, Psychology and Sociology)

SOPHOMORE CERTIFICATE PROGRAM

To qualify for the Sophomore Certificate a student must obtain 60 credits (at least 15 of which must be earned at Haigazian College) and meet either the Freshman Arts or the Freshman Science requirements and the Sophomore requirements shown below. Students entering as Sophomore must earn 30 credits of 200 level courses with a cumulative average of 70.
The courses listed below as Freshman and Sophomore requirements must be taken in the specified class; they may not be postponed.

Freshman Arts Requirements . . . . . **Credits**

Language or Culture (see Language or Culture requirements) 6
English 101-102 8
Science – General Science 103-104; Biology 103 & 104;
Chemistry 101-102; Physics 101-102, 103, (for
Biology Majors) 8-10
History 101-102 6
Mathematics 103, 104 or 101-102 or Elective (s) 6

Freshman Science Requirements

Language or Culture (see Language or Culture requirements) 6
English 101-102 8
Science – Chemistry 101-102*; Physics 101-102 8-10
Mathematics 101-102 6
Physics 103 (for Biology Majors) 4

* Chemistry 102 is not required for majors involving Chemistry.

Sophomore Requirements

Language or Culture (see Language or Culture requirements) 3-6
English 201 3
Inter-Cultural Studies 201-202 6

Language or Culture Requirements

A. All students of Armenian descent are required to take Armenian courses as specified below:
   1. Students entering as Freshmen will be required to take five courses in the Armenian department including Armenian 211-212 :
      Two courses in the Freshman year;
      One course in the Sophomore year;
      Two courses in the Junior or Senior year.

2. Students entering as Sophomores will be required to take three courses in the Armenian Department including Armenian 211-212:
   One course in the Sophomore year:
   Two courses in the Junior or Senior year.
3. Students entering as Juniors or Seniors will be required to take one course in the Armenian Department.

B. All students of Arab nationality (except students of Armenian descent, students whose native language is not Arabic, and students who have not had a secondary school program which prepared them for college level work in Arabic) are required to take Arabic 101-102 in their Freshman year and one two-hundred level Arabic course in their Sophomore year. The Sophomore Arabic requirement will be waived for students who pass the Arabic 201 exemption examination given by the A.U.B. Office of Tests and Measurements.

C. The requirement for all other students is as follows:
   1. Students who enter the College as Freshmen must take a minimum of 9 credits from the following during their Freshman or Sophomore year:
      a. French courses
      b. German courses (at A.U.B.)
      c. Islamic courses (at N.E.S.T.)
      d. Armenian or Arab History-Culture. The following courses are acceptable:
         All courses taught in the Armenian Department (in English)
         All courses taught in the Arabic Department.
         Middle Eastern History courses taught in the History Department, i.e., History courses numbered 240-249.
         Political Science 233 and 251.
         Sociology 241.
   2. Students who enter the College as Sophomores, Juniors, or Seniors must take one course from those listed under (c and d.) above.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS

To qualify for the B.A. or the B.S. degree a student must meet all of the requirements listed below:

1. A minimum of eight semesters residence beginning with the Freshman class, or six semesters beginning with the Sophomore class, at recognized institutions of higher learning, provided at least two semesters (30 credits) are completed at Haigazian College. For purposes of this requirement, two summer sessions shall be considered equivalent to one semester.
2. Accumulate a minimum of 124 credits with a cumulative average of 70, of which at least 94 credits ought to be of 200 level.
3. Complete all of the requirements for the Sophomore Certificate.

4. Complete the following general requirements:
   Intercultural Studies 211-212.
   One of the following Religion courses: Rel. 203, 205, 207.
   Language or culture course(s) as specified under Language or Culture Requirements.
5. Either complete the requirements for a major (at least 36 credits in 200 level courses) in one department, or complete the requirements for a group major (at least 24 credits in 200 level courses) in two departments, with an average of 70 or more, in each department, plus any additional requirements set by the Department. At least 18 credits in the major must be taken at Haigazian College..
   In the case of group majors, no more than three courses (not exceeding ten credits) may apply to both group majors.
   Christian Education, and TEFL can be taken only as full majors.
6. Take the Graduate Record Examinations Advanced Test pertaining to the major. This requirement does not apply to group majors.
7. Must meet all his financial obligations.

Note: Haigazian College graduate who rejoin the College to work towards a B.A./B.S. degree in a new major, will be granted only a supplementary certificate indicating the completion of Bachelor's degree in the given description.

NORMAL DIPLOMA PROGRAM

To qualify for the Normal Diploma a student must meet all of the requirements listed below:

1. Qualify for the B.A. or B.S. degree from Haigazian or the B.Th. degree from the Near East School of Theology. NEST students receiving the B.Th. degree must have their request for the Normal Diploma endorsed by the Curriculum and Degree Committee of N.E.S.T. and must have passed the English Entrance Examination.
2. Complete a minimum total of 18 credits in Education with an average of 70 or more in those courses taken at Haigazian or N.E.S.T. At least one of the courses must be taken at Haigazian College.
3. Complete the following courses or their equivalents:
   Education 201
   Education 215-216
   Education 211-212 (English majors must take Ed. 222C-223C instead of 211-212. Students majoring in Kindergarten-Elementary are required to take Ed. 213-214 instead of 211-212. Religion majors and N.E.S.T. students who are candidates for the B.Th. degree or who will be candidates for the M.Div. degree may substitute any NEST Christian Education course for this. Psychology majors may substitute Ed. 229-230 for this)
   Education 222 (Required of Science, Math., English, Armenian, Arabic and History majors — The approrpiate 222 course is to be taken. Others may choose any Education course.)

4. Christian Education majors following the program shown in this catalogue will receive the Normal Diploma.
5. Complete at least 30 credits at Haigazian College.
6. Holders of Bachelor's degrees from other colleges and universities will have to take 24 credits at Haigazian, including the courses required for the Normal Diploma.

COLLEGE EXTENSION PROGRAM

The College Extension Program offers extension services to the Community. It consists of a set of practical courses that lead participants to a certificate.
THE OBJECTIVE OF THE PROGRAM
The program consists of two divisions designed to attain specific objectives:

1. **In-service Teacher Training:** To equip in-service teachers who have not had the opportunity for professional training, with modern pedagogical methods and principles, to keep the knowledge and practice of professional teachers abreast with new educational developments.
2. **Business Executive Training:** To develop skills in the selection, handling, and analysis of data of all types for better business decisions.
   To increase effectiveness in communication and in working with people for better results.

   To prepare executives equiped with modern tools for the management of complex organizations emerging in the Middle East.

OPERATION OF THE PROGRAM

The College Extension Program operates during evening hours. Students meet once a week for each course, usually from 6:00-7:30 p.m. Their achievement is reported by percent grading system. Since the College Extension is a non-degree program, students' grades are not transferable toward a College Degree or Diploma.

SPECIAL ENGLISH PROGRAM

The Special English Program is an intensive course consisting of daily classes and individual work. The program is obligatory for students who fulfill the admission requirements of Haigazian College, but who have not achieved a score of 500 or above on the A.U.B. English Entrance Examination. All students are ordinarily required to spend one or two semester in the Special English Program.
The minimum required score for the Special English Program is 350 on the A.U.B. English Entrance Examination.
A student will be asked to withdraw from the College at the end of the two semester period, if he has not passed the AUB English Entrance Examination and been promoted, unless an extension is recommended by all his teachers.

EVENING COLLEGE PROGRAM

The College offers an Evening College program designed to make it possible for people who work during the day to pursue a college education. Courses and admission requirements are the same for Evening College and day classes. Evening College students can complete the requirements for the Sophomore Certificate in the Evening College. To complete the B.A. it is necessary to schedule some day courses. Some of these may be possible to arrange in late afternoons, lunch hours, or other times convenient to people with outside employment.

SUMMER SCHOOL

The College has a Summer Session every year in addition to two semesters. The courses offered during the Summer Session are identical in standard and content with those offered during the two semesters.

COURSES OF INSTRUCTION

COURSE NUMBERS

100-199: Courses ordinarily taken in the Freshman year, but given credit when taken in other years.
200-299: Courses ordinarily taken after the Freshman year.
Where two course numbers are joined with a hyphen (e.g. 101-102) the courses should be taken as a unit preferably during a single academic year.
The lecture hours, laboratory hours and credit hours for a course are given as follows:
3 lecture hours, 3 laboratory hours; 4 credits 3.3;4 cr.

Divisional Requirements

CENTER FOR ARMENIAN STUDIES

A. **The Armenian Division** offers courses that lead to the B.A. degree in Armenian Studies. A major in Armenian Studies requires the completion of 42 credits within the division and six credits each in two related areas: Arabic, French or English Literature, Middle Eastern History, European History. A group major requires the completion of 30 credits within the division, 24 credits in another field and 6 credits each in two related areas.

All majors and group majors require the following courses: Armenian Language 205-206, 207 Armenian History 211-212, Armenian Literature 221 and Armenian 295. Each student will write a senior research paper while enrolled in Armenian 295.

Courses in the department are usually given in Armenian; each year, however, a number of courses will be given in English and will appear on the semester course schedule with the regular number followed by an "E" (e.g. 211E)

B. **The Armenian Evangelical Institute** is a research center. The main field of interest of the Institute is the History, Theology and Ecclesiastical Polity of the Armenian Evangelical Church.

C. **The Armenian Library** has 15,000 volumes in Armenian and other languages, and currently receives 55 periodicals and journals. The Library is basically research oriented and provides services for both the students and the public.

DIVISION OF BUSINESS ADMINISTRATION AND ECONOMICS

PURPOSE

The Division of Business Administration seeks to prepare men and women for positions as executives and business administrators. Seeing the business firm as operating in a dynamic social, political, and economic environment, the Division has five functions with respect to its purpose:

a. to offer its students the firm base of a liberal education consistent with that possessed by all educated men.
b. to present to its students business-oriented instruction in professional fields so that they may understand the business process as a whole and the function of specific areas of business.

c. to develop in its students the ability to project their thinking into the future by seeing business not only in the present, but also in relation to the past.
d. to help them understand and learn to adjust to the scientific and changing technological world they live in.
e. to make its students aware of their social responsibility as future executives and enlightened wielders of power.

PROGRAMS

The Division of Business Administration offers three programs:

a. **Bachelor's Degree in Business Administration:** Students desiring to major in Business Administration must first secure the approval of the Division. Beginning with the Sophomore year, they must complete:
   (i) Business Administration 211, 212, 213, 221, 226, 231, 237, 241, 261, 271 and 295.
   (ii) Economics 201, 202, 216, 231, 232.
   (iii) Mathematics 203.
   (iv) 9 credits elective in Business Administration and/or Economics (Sociology 202, Psychology 227, and Computer Science 220 are considered as business electives).
   (v) 6-12 credits elective in any subject.
   (vi) College requirements for graduation.

NOTE:

No student is allowed to register in Business Administration and Economics courses numbered 213 and above unless he has obtained a grade of 70 or more in the following basic courses: Business Administration 211, 212; Economics 201, 202; Mathematics 203.

b. **Group Major in Business Administration:** Students desiring to have group major in Business Administration and another approved field, must first secure the consent of both Divisions. They must complete the following requirements:
   (i) Business Administration 211, 212, 221, 226, 231, 241, 261, and 295.
   (ii) Economics 201 and 202.
   (iii) 3 credits elective in Business Administration or Economics.

NOTE:

The minimum required grade for Business Administration 211, 212, and Economics 201, 202 is also 70 for Business Administration group majors.

c. **Executive Development Program:** The program is designed to provide extensive continuing educational opportunities for executives from firms and organizations in Lebanon. The major objective of the program is to prepare and develop executives for increasingly higher levels of manage-

ment responsibility and to sharpen existing executive skills needed for comprehensive decision making and leadership. Other major aims of the program are to teach the fundamentals of analytical thinking and the use of decision tools, and to examine the economic, political, technological, and other environmental factors affecting the firm's operations.
The faculty of this program consists of the professors of the Department, professors of other institutions, and outstanding practitioners in the fields of business and industry.
Starting from 1979, the Department will offer short and intensive courses in various specialized fields – such as: Salesmanship, Marketing Research, Office Administration and Retailing Management.

DIVISION OF HUMANITIES, LANGUAGES AND LITERATURE

HISTORY

Majors in History must complete a minimum of 36 credit hours including Hist. 285 and 295.
Group Majors in History must complete a minimum of 24 credit hours including Hist. 285 and 295.
Relevant courses in Armenian History and Cultural History, Arabic Literature, Philosophy or Culture and certain Political Science courses may be included in the major or group major, up to 9 credit hours, upon the approval of the Division Chairman. Education 222B may also be counted in the major or group major.

INTERCULTURAL STUDIES

The intercultural Studies sequence is an introductory survey of the History of Near Eastern and Western Culture. Its purpose is to introduce the student to the general background materials which are regarded as prerequisite for upper-class studies.

RELIGION

Religion courses taken at the NEST may be counted as credit for the Haigazian College Religion requirement if the content of the course should correspond to the content of one of the three courses listed in the Haigazian College catalogue.

ARABIC

The following courses are required for all Arabic speaking students: 101-102 for Freshmen; 201 for Sophomores.

ENGLISH

Students who intend to major in English have the option of specializing in either Literature or TEFL.
The following courses are required of all English Majors regardless of specialization: Eng. 201, 205-206, 208, 217, 225, 226, 295 (Senior Seminar).
Students specializing in Literature will be expected to complete 6 additional courses: Eng. 203, Eng. 219 and any one course from each of the following four groups:

Eng. 207, 209, 213
Eng. 244, 214, 215.
Eng. 216, 218, 245.
Eng. 220, 241, 243.

Students specializing in TEFL will be required to take the following additional courses: Eng. 227, 229.
TEFL majors are required to qualify for the Normal Diploma, which means the addition of the following courses: Ed. 215, 216, 221, 222C-223C and 231.
Literature majors are urged to take their remaining electives in the following fields: TEFL, Arabic or Armenian Literature, Philosophy, History.
TEFL Majors are urged to take their remaining electives in the following fields: Literature, Education, Psychology and Sociology.
Group Majors who wish to combine a major in another department with English are expected to take the following courses: Eng. 205-206, 217, 225, 226 and 295, together with two electives chosen from the Advanced English courses.

FRENCH

Apprentissage de la langue française par la méthode audio-visuelle. Voix et images de France, agrée par le Ministère de l'Education Nationale en France.
Note: Students who are graduates of schools which use French as a language of instruction – or who have passed the French Baccalaureate or the Lebanese Baccalaureate or the Lebanese Baccalaureate in French – may not take French 101-102, 201-202, 203-204 except upon approval of the instructor.
Other students who have had French in Secondary School may not enroll in certain French courses, as follows:

No. of years of French	May not take French
2	101
4	101-102
6	101-102 or 201-202

Students enrolling in any of these courses who do not have complete secondary school records in their files, must place a statement in their files stating what French they have previously taken. Tests may also be given to determine the level of proficiency of each student.

DIVISION OF SCIENCES

The Division of Sciences offers programs leading to the B.Sc. degree for students majoring in Biology, Chemistry, Mathematics, or Physics, and for students taking a group major in only two of these subjects. The Division also offers programs leading to the B.A. degree for students taking a group major in one of the above subjects combined with any other subject offered by the College that is not specifically mentioned above. In addition, the Division offers courses in Computer Science as well as several service courses in General Science and Mathematics.

Divisional Requirements for the Bachelor's degree

I. BIOLOGY MAJORS (B.Sc.):
Completion of
1. a minimum of 46 credits of Biology courses numbered 200 and above including Biology 201, 202, 203, 204N, 205N, 206, 207, 210, 211, 213, 293.
2. Chemistry 208, 213A and Physics 204, 206.

II. BIOLOGY GROUP MAJORS (B.Sc. or B.A.):
Completion of
1. a minimum of 30 credits of Biology courses numbered 200 and above including Biology 201, 202, 203, 204N, 205N, 207, 211, 213, 293.
2. Chemistry 208, 213A and Physics 204, 206.
3. The requirements for the related group major field.

III. CHEMISTRY MAJORS (B.Sc.):
Completion of
1. a minimum of 42 credits of Chemistry courses numbered 200 and above including Chemistry 201, 202, 203, 204, 211, 212, 213A, 213B, 217, 218, 219, 220, 221, 222, 293.
2. Mathematics 201, 202 and Physics 211, 213.

IV. CHEMISTRY GROUP MAJORS (B.Sc. or B.A.):
Completion of
1. a minimum of 27 credits of Chemistry courses numbered 200 and above including Chemistry 201, 202, 203, 204, 211, 212, 213A, 213B, 217, 218 (or 219), 293.
2. Mathematics 201, 202, and Physics 211, 213.
3. the requirements for the related group major field.

V. MATHEMATICS MAJORS (B.Sc.):
Completion of
1. a minimum of 42 credits of Mathematics courses numbered 200 and above including Mathematics 201, 202, 205, 206, 219, 220, 223, 224, 227N, 241N.

2. Computer Science 201.
3. a minimum of 9 credits from Biology 201, 202, Chemistry 201, 202, Computer Science 210, Physics 211, 212.
Subject to the approval of the Division of Sciences, these courses may be substituted by other suitable science courses.

VI. MATHEMATICS GROUP MAJORS (B.Sc. or B.A.):
Completion of
1. a minimum of 30 credits of Mathematics courses numbered 200 and above including Mathematics 201, 202, 205, 206, 219, 220, 223, 224, 227N, 241N.
2. Computer Science 201.
3. the requirements for the related group major field.

VII. PHYSICS MAJORS (B.Sc.):
Completion of
1. a minimum of 42 credits of Physics courses numbered 210 and above including Physics 211, 212, 213, 214, 215, 217, 218, 220N, 221, 224.
2. Mathematics 201, 202 and Computer Science 201.
3. a minimum of 2 courses from Mathematics 219, 220, 225N, 227N, Computer Science 210.

VIII. PHYSICS GROUP MAJORS (B.Sc. or B.A.):
Completion of
1. a minimum of 26 credits of Physics courses numbered 210 and above including Physics 211, 212, 213, 214, 215, 217, 220N.
2. Mathematics 201, 202 and Computer Science 201.
3. the requirements for the related group major field.

DIVISION OF SOCIAL AND BEHAVORIAL SCIENCES

CHRISTIAN EDUCATION

Haigazian College in cooperation with the Near East School of Theology (N.E.S.T.) offers a major in Christian Education. No group major in Christian Education is offered. All Christian Education majors are eligible for the Normal Diploma.

The minimum residence requirement for students transferring to this program with advanced standing is 30 credits at both institutions, of which at least 15 must be taken at Haigazian College.

The requirements for Christian Education are *:

A. Freshman Arts	Credits
Language or Culture (Armenian 211-212, Arabic 101-102)	6
Science (biology 103-104, Chemistry 101-102 or Physics 101-102)	8
English 101-102	8
History 101-102	6

B. Sophomore Arts

Language or Culture	
Armenian students (Arm. 205, 206, 207)	9
Arab and other students (Arabic 201 or one culture elective)	3
Intercultural Studies 201-202	6
English 201	3
Education 201, Psychology 201 and one Religion	9

C. Upper Class Junior and Senior Arts

Education 215, 216, 224	9
Inter-Cultural Studies 211-212	6
Psychology 225	3
Armenian 221, 270-271 (for Armenian students)	9

EDUCATION

Students who intend to major in Education have the option of specializing in either Kindergarten – Elementary, or Secondary Education.
The following courses are required of all Education majors regardless of specialization: Ed. 201, 215, 216, 221, 231, Psych. 201 and 225.
Students specializing in Kindergarten – Elementary Education will be expected to complete three additional courses: Ed. 210, 213-214, plus one course from the following that is relevant to one of their areas of subject matter specialization: Ed. 211, 222A, 222B, 222C, 222D, 222E, 222F and one course from the following group: Ed. 224, 241, Psych. 204, or Soc. 201.
Students specializing in Kindergarten – Elementary Education are required to take an additional 18 credits in one field of subject matter specialization or 9 credits in each of two different areas of specialization: Mathematics, History, Armenian, Arabic, English, or Religion.
Students specializing in Secondary Education will be required to take the following additional courses: Ed. 211-212, 224, plus one course from the following that is relevant to their area of subject matter specialization: Ed. 222A, 222B, 222D, 222F, and one course from the following group: Ed. 213, 222C, 241, Psych. 204, 216, or Soc. 201.

(*) For the courses to be taken at the N.E.S.T. see the N.E.S.T. catalogue.

Students specializing in Secondary Education are required to take an additional 18 credits in one field of secondary school subject matter specialization: Mathematics, Physics, Chemistry, Biology, History, Armenian, Arabic or Religion.
A major in Education automatically includes the Normal Diploma.
Students majoring in TEFL should see page 43.
Students majoring in Christian Education should see pp. 45-46

POLITICAL SCIENCE

Majors in Political Science must complete a minimum of 36 credits including the following: P.S. 201, 211, 212, 221, 232, 233, 245, 246, 250, 251. In addition Ec. 201-202 will also be required. Group majors must complete a minimum of 24 credits.

PSYCHOLOGY

A student who wishes to major in Psychology must complete a minimum of 36 credit hours in the Department of Psychology. The following courses are required for a major in Psychology: 201, 204, 212, 217, 218, 220, 228, 230, 232 and 295. In addition to these required courses the student must select at least two additional courses in the department.
A student taking a group major in Psychology must complete a minimum of 24 credit hours in the Department of Psychology. The following courses are required for the group major: 201, 204, 212, 217, 220, and 232. In addition to these required courses the student must select at least two additional courses in the department. Note: Students who are taking a group major in Human Relations cannot take Psychology as a second subject for the group major.
Education 215 and Business Administration 238 may count toward a major or a group major in psychology. Economics 231 may be substituted for psychology 217.

A student who wishes to have a group major in Human Relations, must complete a minimum of 27 credit hours including the following:

Psychology	201
	217 or Econ. 231
	220
	227 or Soc. 231
	229 or Soc. 202
Sociology	201
	211
	241
Business Administration	238

Courses of Instruction

ARABIC

Remedial Arabic 3.0;0 cr.

درس اعدادي في اللغة العربية

يشتمل على مراجعة عامة لقواعد اللغة . وتمارين على الكتابة الصحيحة . وتحليل لنصوص أدبية مبسّطة .

101 and 102 Arabic Thought 3.0;3 cr.

عربي ١٠١ ، ١٠٢ الفكر العربي

يتناول نشوء الفكر العربي وتطوّره ، ودراسة تمهيدية للفلسفة اليونانية وأثرها في الفلسفة العربية . ويعالج مجاري الفكر الكبرى من كلام وفلسفةوتصوف، مع خاتمة في انتقال الفكر العربي الى الغرب اللاتيني .

201 Studies in Arabic Language and Literature 3.0;3 cr.

عربي ٢٠١ دراسات في اللغة والأدب

يبحث مبادىء القراءة الصحيحة والتفسير السليم في نصوص من الأدب العربي القديم والحديث . ويهتم بتدريب الطلاب على المناقشة العلمية للآثار المدروسة . يضاف الى ذلك مراجعة لقواعد اللغة العربية من الوجهتين النظرية والتطبيقية .

215 Arabic Rhetoric and Creative Writing 3.0;3 cr.

عربي ٢١٥ البلاغة وفن الكتابة

يتناول هذا الدرس أهم أساليب البلاغة ، وكيفية تطبيقها في الشعر والنثر عند القدماء والمحدثين . ويتضمن تدريب الطلاب على الكتابة الصحيحة في مختلف وجوه الإنشاء الأدبي .

221 Advanced Arabic Grammar 3.0;3 cr.

عربي ٢٢١ قواعد اللغة العربية

يتناول ، بشكل معمّق ، المبادىء الأساسية لقواعد اللغة العربية . كما يبحث الأخطاء الشائعة في الكتابة .

224 Appreciation of Arabic Literature 3.0;3 cr.

عربي ٢٢٤ تذوّق الأدب العربي

يبحث هذا الدارس في مقومات الأدب العربي ، وعناصره ومدارسه وفنونه وقضاياه من حيث هو فن جميل . ويعرض لتحليل مختارات من الأدب العربي على ضوء مفاهيم النقد القديم والحديث .

225 Ancient Arabic Literature, Pre-Islamic and Omayyad 3.0;3 cr.

عربي ٢٢٥ الأدب العربي القديم في الجاهلية والعصر الأموي

بحث العوامل التي أدّت الى ازدهار الأدب في الجاهلية والعصر الأموي ، مع الخصائص اللغوية المتمثلة في نماذج من الشعر والنثر لهذين العصرين .

227 and 228 Abbassid Literature 3.0;3 cr. each semester.

عربي ٢٢٧ ، ٢٢٨ الأدب العبّاسي

درس أبرز الأدباء في «العصر الذهبي للأدب العربي» مع قراءة مختارات من آثارهم في الشعر والنثر ، وتحليلها على ضوء النقد الحديث .

231 Modern and Contemporary Arabic Literature 3.0;3 cr.

عربي ٢٣١ الأدب العربي الحديث والمعاصر

يبحث في الاتجاهات الفكرية الحديثة والراهنة ، والمقومات الفنيّة الجديدة في الأدب العربي الحديث والمعاصر ، وتفاعلها مع تيارات الأدب الغربي في الفكر والفن .

235 Modern Arabic Novel and Drama 3.0;3 cr.

عربي ٢٣٥ القصّة والمسرحية في الأدب العربي الحديث

يعالج هذا الدرس أصول القصة في الأدب العربي القديم ، وتطور الرواية العربية والقصة القصيرة بين ١٨٥٠ و ١٩٧٠ ، مع درس مختارات لروّاد هذا الفن وتحليلها ، كما أنه يعرض لمبادىء الفن المسرحي ، مع درس نماذج من آثار أعلامه .

295 Senior Seminar 3.0;3 cr.

عربي ٢٩٥ دراسات أدبية

يعالج هذا الدرس كاتباً أو تياراً أو نتاجاً أدبياً على ضوء المفاهيم النقدية الحديثة .

ARMENIAN LANGUAGE

201-202 Elementary Armenian (for those with no previous knowledge of Armenian) 8.0;6 cr.

ՍԿԶԲՆԱԿԱՆ ՀԱՅԵՐԷՆ: Դասընթացք՝ լեզուին անձանօք եղողներուն համար: Գրաճանաչութիւն, ընթերցանութիւն, բառագիտութիւն, խօսակցութիւն:

203-204 Intermediary Armenian II (for those who have graduated from elementary Armenian schools) 6.0;6 cr.

ՄԻՋԱՓՈՒԼԱՅԻՆ ՀԱՅԵՐԷՆ: Դասընթացք՝ հայկական նախակրթարանի հայե-

բէնի մակարդակ ունեցող ուսանողներու համար: Ընթերցանութիւն, բառագիտութիւն, ուղղագրութիւն, հեթականութիւն, շարադրութիւն, թարգմանութիւն:

205-206 Classical Armenian 6.0;6 cr.

ԳՐԱԲԱՐ ԼԵԶՈՒԻ ԴԱՍԸՆԹԱՑՔ: Քերականութիւն, շարահիւսութիւն, բնագիրներու ընթերցում եւ թարգմանութիւն:

207 Structure of Modern Western Armenian 3.0;3 cr.

ԱՐԵՒՄՏԱՀԱՅԵՐԷՆ ԼԵԶՈՒԻ ՔՆՆԱԿԱՆ ՍԵՐՏՈՂՈՒԹԻՒՆ: Հնչիւնաբանութիւն, բառակերտութիւն, ստուգաբանութիւն, հեթականութիւն եւ շարահիւսութիւն:

209 History of the Armenian Language 3.0;3 cr.

ՀԱՅԵՐԷՆ ԼԵԶՈՒԻ ՊԱՏՄՈՒԹԻՒՆ: Հայերէն լեզուի հոլովոյթը դարերու ընթացքին: Ոսկեդարեան հայերէն, յետ մեսրոպեան հայերէն, յուշարան հայերէն, ոսկեկօրէն, լատինաբան հայերէն, աշխարհաբարի ծնունդ ու զարգացում: Օտար ազդեցութիւններ հայերէն լեզուի վրայ:

292 Seminar: Selected Topics in Armenian Language and Linguistics 3.0;3 cr.

Քննական ուսումնասիրութիւն հայերէն լեզուի եւ լեզուագիտութեան մասնաւոր նիւթերու:

ARMENIAN LITERATURE ՀԱՅ ԳՐԱԿԱՆՈՒԹԻՒՆ

221 History of Classical Armenian Literature till the Xth Century 3.0;3 cr.

ՀԱՅ ՀԻՆ ԳՐԱԿԱՆՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ. ՆԱԽԱՄԵՍՐՈՊԵԱՆ ՇՐՋԱՆԷՆ ՄԻՆՉԵՒ 10ՐԴ ԴԱՐ: Ուսումնասիրութիւն տուեալ ժամանակաշրջանի հայ ականաւոր մտաւորականներու կեանքին ու գործունէութեան, ինչպէս նաեւ անոնց ստեղծագործութեանց բնագիրներու ճնշական սերտողութիւն:

222 History of Modern Armenian Literature XIth-XVIIth Century 3.0;3 cr.

ՀԱՅ ԳՐԱԿԱՆՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ. 11 – 17ՐԴ ԴԱՐԵՐ: Հայկական վերածնուն-

դը եւ անոր յաջորդող ժամանակաշրջանի գեղարուեստական գրականութեան ճնշական ուսումնասիրութիւնը, բնագիրներու ընթերցանութեամբ:

223 Literature of the Armenian Enlightenment XVIIIth-XIXth Centuries 3.0;3 cr.

ՀԱՅ ԳՐԱԿԱՆՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ 18 – 19ՐԴ ԴԱՐԵՐ: Մայաթ Նովա եւ տաղասացներ: Մխիթարեաններ. Զարթօնքի սերունդ. Աբովեան եւ աշխարհաբար գրականութեան ծնունդը Արեւելահայաստանի եւ Արեւմտահայաստանի մէջ:

224 Modern Armenian Poetry XIXth-XXth Centuries 3.0;3 cr.

ՀԱՅ ԲԱՆԱՍՏԵՂԾՈՒԹԻՒՆԸ 1850-1920 ԹԹ.: 19րդ դարու կէսէն մինչեւ 20րդ դարու առաջին տասնամեակները միջոցին արեւմտահայ եւ արեւելահայ բանաստեղծներու գրական գործունէութիւնն ու անոնց ստեղծագործութեանց բնագիրներու ճնշական սերտողութիւնը:

225 Modern Armenian Short Story and Novel XIXth-XX Centuries 3.0;3 cr.

ՀԱՅ ԱՐՁԱԿԸ 1850–1920 ԹԹ.: 19րդ դարու կէսէն մինչեւ 20րդ դարու առաջին տասնամեակները միջոցին արեւմտահայ եւ արեւելահայ արձակագիրներու (պատմուածագիր եւ վիպագիր) գրական գործունէութիւնն ու անոնց յատկանշական ստեղծագործութեանց բնագիրներու ճնշական սերտողութիւնը:

226 Modern Armenian Drama 3.0;3 cr.

ՀԱՅ ԹԱՏՐՈՆՆ ՈՒ ԹԱՏՐԵՐԳՈՒԹԻՒՆԸ 1850-1970 ԹԹ.: Ուրուագիծ հայ թատրոնի գործունէութեան, եւ նոյն ժամանակամիջոցի ականաւոր թատերագիրներու ստեղծագործութեանց բնագիրներու ճնշական սերտողութիւն:

227 Contemporary Armenian Literature of the Diaspora 3.0;3 cr.

ՍՓԻՒՌԱՀԱՅԱՑ ԳՐԱԿԱՆՈՒԹԻՒՆԸ 192 –1970 ԹԹ.: Սփիւռքի տարբեր գաղութներու՝ Ամերիկայի Միացեալ Նահանգներու, Եգիպտոսի, Պարսկաստանի, Յորանեայի, Պոլիսի, Մուրիոյ եւ Լիբանանի մէջ ստեղծուած հայ գրականութեան ուսումնասիրութիւնը, ականաւոր հեղինակներու ստեղծագործութեանց բնագիրներու սերտողութեամբ:

228 Contemporary Soviet Armenian Literature 3.0;3 cr.

ՍՈՎԵՏԱՀԱՅ ԳՐԱԿԱՆՈՒԹԻՒՆ 1920–1970 ԹԹ.: Սովետահայ գրականութեան ան-

ցած ճանապարհը յիսուն տարիներու ընթացքին, եւ այդ ժամանակաշրջանին մէջ բոլորած տարբեր հանգրուանները: Սովետահայ ականաւոր հեղինակներու գրականագործունէութիւնը ու անոնց ստեղծագործութեանց քննադրներու սերտողութիւնը:

230 Armenian Folklore 3.0;3 cr.

ՀԱՅԿԱԿԱՆ ԺՈՂՈՎՐԴԱԿԱՆ ԲԱՆԱՀԻՒՍՈՒԹԻՒՆ: Հայկական բանահիւսութեան տարբեր ընագաւառներու՝ առասպելի, վիպերգի, հեքիաթի, ատենդութեան, առակի, ժողովրդական երգերու եւ Սասունցի Դաւիթի սերտողութիւնը, քննադրներու սերտողութեամբ:

Քննական ուսումնասիրութիւն հայ գրականութեան մասնաւոր նիւթերու:

ARMENIAN HISTORY ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆ

211-212 History of Armenia from the earliest times to the XXth Century 6.0;6 cr.

ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆ Ք· Ա· 2500 – Ք· Ե· 1923 ԹԹ·: Հայ ժողովուրդի բազմակողմանի պատմութեան սերտողութիւնը միջազգային յարաբերութիւններու լոյսին տակ. նախահայկական Հայաստանն մինչեւ Լոռւոյի դաշնագիրը: Պատմութագիր միաժամանակ կ'անդրադառնայ հայ ժողովուրդի բնակեցման, սոսարակական, տնտեսական ու մշակութային կեանքին: 211ը կ'ընդգրկէ Ք· Ա· 2500 թուականներէն մինչեւ արաբական տիրապետութեան վախճանը Հայաստանի մէջ՝ 212ը. Բագրատունեաց Հարստութեան հիմնադրութենէն մինչեւ Լոզանի դաշնագիրը:

211E-212E History of Armenia from the earliest times to the XXth Century 6.0;6 cr.

211 – Deals with Armenian history beginning with the Neolithic Culture (Ca 6000 B.C.), the Urartian period, the Artaxiad and Arsacid Kingdoms, the Marzpanate and Arab Domination, ending with the Bagratids.

212 – Starts with the Lesser Armenian (Cilician) Kingdoms, the Turko-Persian condominium, the Ottoman Period, the XIXth century Renaissance leading up to the period of Independence, ending with Treaty of Lausanne, 1923.

250 The Formation of the Armenian People (Pre-historic Armenia, Urartu, and the Orontid Dynasty 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆԷՆ. 2500 ԹՒԱԿԱՆՆԵՐԷՆ ՄԻՆՉԵՒ 189 Թ· Ք· Ա·: Նախահայկական Հայաստան. Ուրարտու. հայ ժողովուրդի կազմաւորումը. երուանդունի Հարստութիւնը Հայաստանի մէջ: Քննական սերտողութիւն տուեալ ժամանակաշրջանի. միջազգային հաղորդական յարաբերութիւններու լոյսին տակ:

251 The Artaxiad Dynasty and the Empire of Tigranes the Great (IInd Century B.C.– Ist Century A.D.) 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆԷՆ. Ք· Ա· 189 Թ· – Ք· Ե· 66 Թ·: Արտաշէսեան Հարստութեան հիմնադրութիւնը Հայաստանի մէջ եւ հայ պետականութեան ստեղծումը. Մեծն Տիգրան եւ հայկական կայսրութիւնը. հայ-պարթեւական. հայ-պոնտական եւ հայ-հռոմէական յարաբերութիւններ. եւ հելլենիզմը Հայաստանի մէջ:

252 The Arsacid Dynasty and the Marzpanate (Ist-VIIth Centuries) 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆԷՆ. 66–390 ԹԹ·: Արշակունեաց Հարստութեան հիմնադրութիւնը Հայաստանի մէջ. Աւատապետական Հայաստանի ծաւալումը. հայոց եկեղեցւոյ դերը. հայ-բիւզանդական. հայ-պարսկական յարաբերութիւններ. հայերէն գիրերու գիւտ. Հայաստանի երկրորդ բաժանումը Բիւզանդիոնի եւ Պարսկաստանի միջեւ:

253 Arab Domination of Armenia and the Rise of Bagratid Dynasty (VIIth-IXth Centuries) 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆԷՆ. 390–875 ԹԹ·: Հայ-պարսկական եւ հայ-բիւզանդական յարաբերութիւններ 390 թ·է մինչեւ արաբական առաջին արշաւանքները Հայաստանի վրայ: Հայ-արաբական դաշինքը. արաբական տիրապետութիւնը Հայաստանի մէջ եւ հայ-արաբական յարաբերութիւններ՝ հաղորդական. բնակեցման. տնտեսական մարզերու մէջ: Պատկեանան չարժում:

254 History of Great Armenia from IXth-XVth Centuries 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԻՒՆԷՆ. 875–1441 ԹԹ·: Բագրատունեաց Հարստութեան հիմնադրութիւնը. վասպուրականի եւ Սիւնեաց թագաւորութիւնները. Խոնդրկեան չարժում. Սելճուքեան արշաւանքներ եւ Հայաստան. հայ-վրացական յարաբերութիւններ եւ Զաքարեանները. Հայաստան մոնղոլական տիրապետութեան տակ. քրիստոնեական գեղերու մուտքը Հայաստան:

255 History of the Armenians in the Ottoman Empire 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԵԱՆ, 1441–1914 ԹԹ.: Օսմանեան կայսրութեան հիմնադրութիւնը: Հայաստան՝ թուրք-պարսիկ-ռուս հակամարտութեանց թատերաբեմ: Հայ ժողովուրդի քաղաքական, ընկերային, տնտեսական կացութիւնը օսմանեան եւ ցարական տիրապետութիւններու տակ. մինչեւ Համաշխարհային Առաջին Պատերազմը:

256 The Armenian Question (In the light of the Eastern Question and the Armenian Revolutionary Movements) 3.0;3 cr.

ՀԱՅԿԱԿԱՆ ՀԱՐՑԻ ՀՈԼՈՎՈՅԹԸ 19ՐԴ ԴԱՐՈՒ ԿԷՍԷՆ ՄԻՆՉԵՒ ԼՈԶԱՆ: Օսմանեան կայսրութիւնը եւ Արեւելեան հարցը: Արեւելեան եւ Հայկական հարցերու միջազգայնացումը: Հայկական Հարցը Սան Սթեֆանոյի եւ Պեռլինի ժողովներուն: Հայ Յեղափոխական շարժումներ: Հայկական Հարցը Սեւրի, Մոսկուայի, Լոնտոնի եւ Լոզանի խորհրդաժողովներուն:

257 History of Cilician Armenians (XIth-XIVth Centuries) 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅԿԱԿԱՆ ԿԻԼԻԿԻՈՅ ՊԱՏՄՈՒԹԵԱՆ, 1071–1375 ԹԹ.: Փիլարտոս Հայը եւ Կիլիկիոյ հայկական իշխանապետութեան հիմնադրութիւնը, Ռուբինեան եւ Հեթումեան հարստութիւններու իշխանութիւնը՝ հայ-խաչակրաց, հայ-մոնկոլական եւ հայ-մեմլուքեան յարաբերութիւններու լոյսին տակ:

258 History of the Armenian People from World War I to the Present 3.0;3 cr.

ՔՆՆԱԿԱՆ ՏԵՍՈՒԹԻՒՆ ՀԱՅ ԺՈՂՈՎՈՒՐԴԻ ՊԱՏՄՈՒԹԵԱՆ, 1914–1970 ԹԹ.: Ա. Համաշխարհային Պատերազմը եւ հայերը: Թուրքերու կողմէ հայոց դէմ գործադրուած ցեղասպանութիւնը, Հայաստանի Հանրապետութիւնը, Քեմալական Կիլիկիա. Խորհրդային Հայաստանի յիսուն տարիները եւ սփիւռքահայութիւնը:

259 History of the Armenian Diaspora from the Earliest Times to the Present 3.0;3 cr.

ՀԱՅ ԳԱՂԹԱԿԱՆՈՒԹԵԱՆ ԵՒ ՀԱՅԿԱԿԱՆ ԳԱՂՈՒԹՆԵՐՈՒ ՊԱՏՄՈՒԹԻՒՆ: Հայոց գաղթը դարերու ընթացքին, մինչեւ մեր օրերը: Բիւզանդիոնի, Պարսկաստանի, Հնդկաստանի, Ռուսիոյ, Արեւելեան Եւրոպայի, Ամերիկաներու եւ Մերձաւոր Արեւելքի հայկական գաղութները ու անոնց ընկերային, հասարակական ու մշակութային կեանքը:

292 Seminar Selected Topics in Armenian Literature 3.0;3 cr.

Ընտրեալ ուսումնասիրութիւն Հայոց Պատմութեան մասնաւոր նիւթերու:

ARMENIAN CULTURAL HISTORY

ՀԱՅ ՄՇԱԿՈՅԹԻ ՊԱՏՄՈՒԹԻՒՆ

271-272 Religious History of Armenia

ՀԱՅ ԵԿԵՂԵՑԻԻ ՊԱՏՄՈՒԹԻՒՆ: Հեթանոսական Հայաստանի կրօնքը, հայոց էրիստոնէութեան դարձը, հայ եկեղեցիի զաւանաբանութիւնը, հայ եկեղեցական գործիչներ, հայ կաթողիկէ եւ աւետարանական եկեղեցիներու ծագումը, հայ եկեղեցին այսօր: 271ը կ'ընդգրկէ հեթանոսական ժամանակաշրջանէն մինչեւ 10րդ դար, իսկ 272ը՝ 10րդ դարէն մինչեւ մեր օրերը:

271E-272E The Religious History of Armenia 6.0;6 cr.

The course deals with the religion of the Armenians beginning with the pagan period, the pre-gregorid Christian Church, the nationalization of the Church, the rise of two catholicossal chairs, the patriarchal chairs of Jerusalem and Constantinople, the rise and spread of Catholicism and the Evagelical movement among the Armenians.

274 History of Armenian Painting with Emphasis on Manuscript Illumination 3.0;3 cr.

ՀԱՅ ՆԿԱՐՉՈՒԹԻՒՆԱՆ ՊԱՏՄՈՒԹԻՒՆ: Հայկական մանրանկարչութիւն, հայ մանրանկարչութեան գլխաւոր կեդրոնները եւ ականաւոր հայ մանրանկարիչներ: Հայկական գեղանկարչութեան զարգացումը դարերու ընթացքին Հայաստանի եւ հայկական գաղթօճախներու մէջ: Սովետահայ եւ սփիւռքահայ արդի նկարչութիւն:

275 History of Armenian Music 3.0;3 cr.

ՀԱՅ ԵՐԱԺՇՏՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ: Հայ եկեղեցական երաժշտութիւն, զուարճական եւ աշուղական երգեր, հայկական ժողովրդական երգեր, արդի եւ ժամանակակից հայ երաժշտութիւն եւ երգահաններ:

276 History of Armenian Architecture 3.0;3 cr.

ՀԱՅ ՃԱՐՏԱՐԱՊԵՏՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ: Նախահայկական Հայաստանի ճարտարապետական կոթողները: Հայ ճարտարապետութեան զարգացումը դարերու ընթացքին: Քաղաքաշինութիւն, ճարտարապետական կոթողներ. հայ ճարտարապետ-

ներ ու շինարար վարպետներ. հայ ճարտարապետութեան առանձնայատկութիւնները:

277-278 History of Armenian Thought from the Earliest Times to the present 6.0;6 cr.

ՀԱՅ ՄՏՔԻ ՊԱՏՄՈՒԹԻՒՆ: Ընկերային, իմաստասիրական, հասարակական եւ կրօնական մտքի զարգացումը դարերու ընթացքին. Հայաստանի եւ հայկական գաղթօճախներու մէջ: Հայ մտածողներ եւ իրենց երկասիրութիւնները: 277ր կ'ընդգրկէ հեթանոսական ժամանակաշրջանէն մինչեւ 12րդ դարը. իսկ 278ր՝ 13րդ դարէն մինչեւ 20րդ դարու առաջին տասնամեակները:

279 History of Armenian Printing and Periodicals 3.0;3 cr.

ՀԱՅ ՏՊԱԳՐՈՒԹԵԱՆ ԵՒ ՊԱՐԲԵՐԱԿԱՆ ՄԱՄՈՒԼԻ ՊԱՏՄՈՒԹԻՒՆ: Հայ տպագրութեան եւ մամուլի զարգացումը 16րդ դարէն մինչեւ մեր օրերը, Հայաստանի եւ հայկական գաղթօճախներու մէջ: Ականաւոր հայ տպագրիչներ. հայ տպարաններ, խմբագիրներ եւ պարբերական հրատարակութիւններ:

281-281 History of Armenian Education from the Earliest Times to the XXth Century 6.0;6 cr.

ՀԱՅ ԴՊՐՈՑԻ ԵՒ ՄԱՆԿԱՎԱՐԺՈՒԹԵԱՆ ՊԱՏՄՈՒԹԻՒՆ: Հայ դպրոցի եւ մանկավարժական մտքի զարգացումը դարերու ընթացքին, նախամեսրոպեան շրջանէն մինչեւ մեր օրերը: Հայ կրթական հաստատութիւններ, կրթական ծրագիրներ. հայ մանկավարժներ: 280ը կ'ընդգրկէ նախամեսրոպեան շրջանէն մինչեւ 15րդ դար, իսկ 281ը՝ 15րդ դարէն մինչեւ մեր օրերը:

292 Seminar: Selected Topics in Armenian Cultural History 3.0;3 cr.

Քննական ուսումնասիրութիւն Հայ Մշակոյթի Պատմութեան մասնաւոր նիւթերու:

295 Senior Seminar: Open to Seniors and those Juniors who have advisor's permission 3.0;3 cr.

Ալարտական քննական ուսումնասիրութիւն:

BIOLOGY

103 General Biology for Arts Students I 3.3;4 cr.
An introductory study of basic mechanisms underlying the structure and functioning of Invertebrates and Vertebrates, with particular emphasis on the human anatomy and physiology.

104 General Biology for Arts Students II 3.3;4 cr.
An introductory review of non-vascular and vascular plants. Study of basic concepts of Genetics. Evolution and Ecology, with particular emphasis on their applicability to mankind.

201 General Zoology, 3.3;4 cr.
Basic principles applied to animal life. Phylogenetic relationships of the important animal phyla; vertebrate structure and functions with particular reference to man. Representatives of important animal phyla are studied in the laboratory.

202 General Botany, 3.3;4 cr.
Basic principles applied to plant life. Phylogenetic relationships of all plant divisions; elementary genetics. Representatives of major phyla are studied in the laboratory.

203 Animal Physiology 3.3;4 cr.
The physiology of muscular contraction, nervous integration, sensation, circulation, respiration, excretion, digestion and the cellular mechanisms underlying these processes. Prerequisite : Biol. 201.

204N Introductory Biochemistry 3.0;3 cr.
A study of the physico-chemical roles of important molecules in the living cell with particular emphasis onintermediary metabolism. Prerequisite: Chem. 208.

205N Introductory Biochemistry Laboratory 0.4;2 cr.
Qualitative and quantitative study of biologically important molecules. Prerequisite: Biol. 204N at least concurrently.

206 Cell Biology 3.2;4 cr.
An interdisciplinary course with emphasis on the unity of basic biological principles as related to cell structure, function, reproduction, genetics, growth and differentiation. Prerequisities: Biol. 204N and 205N.

207 Genetics 3.2;4 cr.
A course designed to acquaint the student with background and principles of modern genetics, with emphasis upon the physical basis of inheritance and applications to plants, animals, and man. Prerequisites: Biol. 201 and 202.

208 Comparative Vertebrate Anatomy 3.3;4 cr.
A comparative study of organ systems in vertebrates. Representatives of various classes are dissected in the laboratory. Prerequisite: Biol. 201.

209N Microtechnique 1.4;3 cr
Principles of staining and techniques for the preparation of microscopic slides of various animal and plant tissues. Prerequisite: Biol. 201 and 202.

210 Embryology 3.3;4 cr.
A study of the origin and early development of the vertebrates. Laboratory work involves detailed studies of the development of the frog, chick and pig embryos. Prerequisite: Biol. 201.

211 Plant Physiology 3.3;4 cr.
A physico-chemical study of the vital processes and activities of seed plants, i.e., metabolism, irritability, growth and reproduction. Also an introductory study of morphology is given for the proper understanding of the above processes. Prerequisite: Biol. 202.

212 Plant Anatomy 2.3;3 cr.
A study of anatomy, cytology and embryology of the flowering plant. Prerequiste: Biol. 202.

213 Ecology 2.4;4 cr.
The relationship of living organisms to their environment. Detailed study of such parameters as population, food and basic environments with emphasis on aspects of ecological disturbances as a result of pollution phenomena. Prerequisite: Biol. 201 and 202.

214 Animal Histology 2.4;4 cr.
A survey of vertebrate tissues and their detailed microscopic examination. Prerequisite: Biol. 201.

215 Mycology 2.3;3 cr.
Study of Fungi based on morphology, physiology, and ecology, with emphasis on economic importance and control of major local plant diseases. Prerequisite: Biol. 202.

216 Systematic Botany 2.4;4 cr.
A study of classification of flowering plants with emphasis on evolution and economic importance. Prerequisite: Biol. 202.

217 Plant Pathology 2.4;4 cr.
A study of diseases of local cultivated plants as to their symptoms, life cycles, and control measures. Prerequisites: Biol. 201 and 202.

218 Evolution 3.0;3 cr.
A study of the processes of organic evolution, including the stages of human evolution. Prerequisite: Biol. 207.

221 Biological Analytical Methods 1.3;3 cr.
An introduction to biostatistics. Quantitative and qualitative analysis of biological products, using volumetric, gravimetric, colorimetric and chromatographic methods. Prerequisites: Biol. 201, 202 and Chem. 208.

271 Biology of the Invertebrates 3.3;4 cr.
An introduction to the classification, structure and ecology of invertebrate animals other than insects. Field and laboratory work emphasize the marine, fresh water and terrestrial invertebrate fauna of different areas of Lebanon. Prerequisite: Biol. 201.

292 Selected Topics (1-3). (2-4); (2-4) cr.
Topics will be selected each semester according to the major trends in Biology and specialty of the faculty present. Prerequisite: Consent of instructor.

293 Biology Seminar 1.0;1 cr.
Introduction to the methods of scientific literature review. Presentation of an oral and a written report on a biological subject. Prerequisite: Consent of instructor.

BUSINESS ADMINISTRATION

211 Fundamentals of Accounting I 4.0;4 cr.
Accounting as a tool for planning and control. The accounting cycle; the techniques of recording; the principal reports and underlying concepts; cash receipts and disbursements; receivables, payables and inventory accounts; current and fixed liabilities; plant, equipment and depreciation policies; natural resources and depletion; intangible assets and amortization. Prerequisite: Sophomore standing.

212 Fundamentals of Accounting II 4.0;4 cr.
Continuation of 211 — Partnership accounts; corporate capital accounts, dividends and retained earnings; cost information and control for decision making. Process and job order systems, standard costs, behavior costs, direct costing; budgeting and analysis of financial statements. Prerequisite: 70 or more in BA 211.

213 Cost Accounting and Control 3.0;3 cr.
Concepts and principles underlying the development of cost information for control and decision making. Development and use of cost budgets and standards for planning and evaluation of performance. Cost classification in relation to behavior, and cost contribution statements as tools for evaluating alternative courses of action. Problem of optimization through cost control. Prerequisite: BA 212.

215 Auditing 3.0;3 cr.
Audit concepts, standards, and Procedures; ethics and legal requirements; scope objectives and nature of an audit; management of an audit, audit procedures, and modern audit techniques. Statistical sampling in auditing; audits of electronic systems; auditor's roles in tax and management advisory services. Prerequisite: BA 212.

217 Advanced Accounting 3.0;3 cr.
Special problems confronting partnerships including division of net income or loss; admission, retirement or death of a partner; liquidation. Problems of corporation and intercorporate investments requiring consolidated financial statements. Receiver's accounts, home office and branch accounting, and public accounts. Prerequisite: BA 212.

220 Mathematics of Finance 3.0;3 cr.
Applications of the mathematical theory of simple and compound interests, annuities, bonds, stocks, sinking funds and amortization, perpetuities, capital budgeting and depreciation, life annuities and life insurance. Prerequisite: Junior standing.

221 Money and Capital Markets 3.0;3 cr.
The economics of financial markets and stages of financial development of any country. The structure, functions, instruments, and regulation of money and capital markets and their interrelationship with international market and organizations. Special reference will be given to institutions and instruments, of financial markets in Lebanon and the Middle East. Prerequisite: BA 212 and Econ. 202.

223 Commercial Banking 3.0;3 cr.
The structure and operation of the money and capital markets in developing countries in general and Lebanon in particular. A study of the principles, policies and problems which confront bank management. Major emphasis is given to liquidity, loans, investments, deposits. and capital funds, but

consideration is also given to bank statements, organization structure, operations and public relations. Prerequisite: Econ. 202.

226 Financial Management 3.0;3 cr.
Business finance, the planning and control aspects of working capital management; cash budgeting and ratio analysis; capital budgeting, problems of forecasting; criteria of investment decisions and project evaluation; determinants of capital structure, including financial leverage, risk and the cost of capital. Prerequisite: BA 221.

231 Business Management 3.0;3 cr.
An analysis of the functions of the manager, including planning, organizing staffing, directing and controlling in a business enterprise. Prerequisite: Junior standing.

236 Computers in Management Systems 3.0;3 cr.
An introduction to functions, capabilities and limitations of high-speed computers in modern organizations. Technical aspects such as communication with the computer, data-processing systems, problem-solving techniques and research and development uses are introduced. Managerial aspects covered include: the problem of installation, effective use of computer equipment, and evaluation of alternative. Prerequisite: Senior standing.

237 Quantitative Methods for Business 3.0;3 cr.
Introduction to management science and its quantitative tools. Models and model building, elements of probability theory, decision theory, valuation and replacement, and allocation. Limitation of the quantitative approach and the significance of information inputs. Prerequisite: Math. 203 and Econ. 231, 232.

238 Human Relations 3.0;3 cr.
An analysis of the formal and informal relationship between individuals and groups in the business environment. Emphasis is on motivating and integrating personnel into an effective organizational framework. Prerequisite: BA 231 or consent of instructor.

241 Marketing 3.0;3 cr,
A survey of the field of marketing, the functions, methods, policies and problems of the manufacturer, wholesaler, retailer and other middlemen. with emphasis on changing principles, trends and policies. Takes a marketing management approach in attacking problems related to product planning, channels of distribution, pricing and promotion. Throughout emphasis is placed on the marketing environment in developing countries. Prerequisite: Junior standing and Econ. 202.

245 International Marketing 3.0;3 cr.
Problems of distribution and marketing in foreign countries. Covers: Promotion including foreign market surveys, and promotion by government and

private agencies; structural organization including marketing channels, foreign operations, foreign licensing and international marketing combinations; selection of marketing policies, techniques and financial features of foreign trade. Prerequisite: BA 241.

246 Marketing Research 3.0;3 cr.
A study of market characteristics, human behavior and opinions through the use of scientific methods. The course explores internal research, advertising and field research; studies methods of collecting data through the use of surveys, interviews, and questionnaires; and analysis market data as a means of reaching more effective marketing decisions. Prerequisite: BA 241 and Econ. 202.

251 Insurance 3.0;3 cr.
Theory and practice of risk management in business and personal affairs. The course includes a survey of the major patterns of life, property and business insurance, and the investment aspects of the insurance industry. It examines also social insurance. Prerequisite: Junior standing.

261 Commercial Law 3.0;3 cr.
Special laws of commerce such as those dealing with trade acts, merchants, companies, commercial contracts, commercial papers and commercial establishments with emphasis on the Lebanese Commercial Code. Prerequisite: Junior standing.

271 Managerial Economics 3.0;3 cr.
Emphasizes the application of economic analysis to business problems. Economic techniques and principles used in formulating business policies are considered: forecasting; estimation and analysis of demand functions; estimation of production functions and cost functions; forms of competition, pricing techniques, and profits; capital budgeting. Prerequisite: Econ. 232.

292 Selected Topics 3.0;3 cr.

295 Senior Seminar in Contemporary Business Issues 3.0;3 cr.

CHEMISTRY

101 General Chemistry I 3.3;4 cr.
An introduction to the fundamental concepts of Chemistry; covers atomic structure, chemical bonding, solid, liquid and gaseous states, solutions, and chemical kinetics.

102 General Chemistry II 3.3;4 cr.
Introduction to electrochemistry and chemical equilibrium. Descriptive chemistry of the elements and their compounds. Prerequisite: Chem. 101.

201 Chemical Principles I 3.0;3 cr.
An introduction to physico-chemical principles with emphasis on quantitative aspects. Prerequisite: Chem. 101 or Bacc. II (Math. or Exp.).

202 Chemical Principles II 3.0;3 cr.
Elementary thermodynamics and chemical kinetics; basic ideas of electronic structure of atoms and the nature of chemical bonding, with applications to the general chemistry of the main elements and their compounds. Prerequisite: Chem. 201.

203 Introductory Experimental Chemistry 1.4;2 cr.
A laboratory course having general and qualitative analysis experiments. Prerequisite: Chem. 201 at least concurrently.

204 Introductory Physical Chemistry Laboratory 1.4;2 cr.
A laboratory course in basic physical chemistry, with some qualitative analytical work. Prerequisites: Chem. 201, 203, and Chem. 202 at least concurrently.

208 Brief Survey of Organic Chemistry 3.3;3 cr.
A brief survey of the chemistry of compounds containing carbon. Designed for students majoring in Biology. Prerequisite: Chem. 102 or Bacc. II (Math. or Exp.). (Students taking Chem. 211 cannot receive credits for Chem. 208).

211 Organic Chemistry I 3.3;3 cr.
The Chemistry of Carbon compounds. Prerequisite: Chem. 201 at least concurrently.

212 Organic Chemistry II 3.0;3 cr.
Continuation of Chem. 211. Prerequisite: Chem. 211

213A Organic Chemistry Laboratory I 0.4;2 cr.
Basic techniques for experimental organic synthesis. Prerequisite: Chem. 208 or 211, at least concurrently.

213B Organic Chemistry Laboratory II 0.4;2 cr.
Synthesis, purification and separation of organic compounds. Prerequisite: Chem. 212 at least concurrently and Chem. 213A.

214 Analytical Chemistry 1.4;3 cr.
Basic theoretical and experimental principles involved in qualitative and quantitative analysis, using gravimetric, volumetric, gasometric and physicochemical methods including optometric, refractometric, electrometric, colorimetric and chromatographic methods.Prerequisite: consent of instructor.

217 Chemical Thermodynamics 3.0;3 cr.
The laws and basic chemical applications of thermodynamics. Prerequisites: Chem. 202, Math. 202, Phys. 211, all three at least concurrently.

218 Molecular Structure 3.0;3 cr.
Ideas of wave mechanics, solutions of the Schrodinger equation, atomic and molecular orbitals. Theories of chemical bonding. Spectra. Prerequisites: Chem. 202, Math. 202, Phys. 211, all three at least concurrently.

219 Chemical Kinetics 3.0;3 cr.
Basic principles of experimental and theoretical kinetics: rate laws and reaction mechanism, experimental methods, collision and activated complex theories, reactions in solution, and heterogeneous catalysis. Prerequisite: Chem. 217.

220 Physical Chemistry Laboratory 0.6;3 cr.
Selected experiments in thermodynamics and kinetics. Prerequisite: Chem. 217, 219.

221 Inorganic Chemistry 3.0;3 cr.
Review of atomic structure and trends in the periodic table. Theories of chemical bonding. Study of selected topics: hydrogen bonding, acids and bases. Electron deficient compounds. Prerequisites: Chem. 202, and Chem. 211 (or 208) at least concurrently.

222 Coordination Compounds 3.0;3 cr.
The structure and bonding, stability, reactions and applications of coordination compounds and chelates. Prerequisite: Chem. 221.

223 Inorganic Preparations 0.6;3 cr.
Preparation, purification, and study of properties of inorganic substances. Prerequisite: Chem. 221.

225 Organic Qualitative Analysis 1.6;4 cr.
Theory, problems and laboratory practice of systematic qualitative analysis for pure organic compounds. Separation and identification of mixtures. Prerequisite: Chem. 213B.

292 Selected Topics 3.0;3 cr.
Topics selected according to the needs of students. Prerequisite: Consent of instructor.

293 Chemistry Seminar 1.0;1 cr.
Introduction to the methods of scientific literature review. Presentation of an oral and a written report on a chemical subject. Prerequisite: Consent of instructor.

COMPUTER SCIENCE

201 Introduction to Computers and Programming 3.0;3 cr.
Introduction to the organization and characteristics of computers. Data representation. Computer codes, number systems and conversion. Computer hardware and software. Introduction to the principles of COBOL Language and preparation of simple FORTRAN programs.

210 FORTRAN with Applications to Numerical Analysis 3.0;3 cr.
Programming techniques in FORTRAN. Applications to numerical integration and solution of algebraic and differential equations. The methods for use on computer are emphasized. Prerequisite: C.S. 201.

220 COBOL with Business Applications 3.0;3 cr.
Course in the application of modern business data processing and principles of the COBOL language with program writing. The methods for use on computer are emphasized. Prerequisite: C.S. 201.

ECONOMICS

201 Elementary Economic Theory I 3.0;3 cr.
Fundamental principles of Economics. Elementary demand and supply analysis; price determination under different types of markets; determination of wages, rent, interest, and profits. Prerequisite: Sophomore Standing.

202 Elementary Economic Theory II 3.0;3 cr.
National income accounts and analysis; money, commercial and central banking; some aspects of international trade and economic development; economic systems. Prerequisite: Econ. 201.

216 Macroeconomics 3.0;3 cr.
The determinants of national income, employment, price level and rate of growth in the economic system. Includes analysis of consumption and saving, factors affecting private investment, prosperity and depression, interaction between money and national income, implications for public policy. Prerequisite: Econ. 202.

217 Microeconomic Theory 3.0;3 cr.
Consumer's choice and demand theory; theory of production and costs; price and output determination under various market structures. Some attention is given to the interdependence of markets, to the social consequences of externalities in the economy and to their policy implications. Prerequisite: Econ. 202.

220 Monetary Economics 3.0;3 cr.
This course concentrates on the main elements of monetary theory and policy having to do with such problems as promoting economic growth,

maintaining full employment and price stability, influencing the flow of capital into the various economic sectors with different possible social goals in mind, and stabilizing international trade and financial relationships, Prerequisite: Econ. 202.

226 Public Finance 3.0;3 cr.
An introduction to the theory of the public economy with emphasis upon the effects of government expenditure, borrowing and taxation upon resource allocation, national income and employment, prices and income distribution. Emphasis is also placed on criteria for the evaluation and selection of public expenditure programs, and pricing policies of government enterprise. Prerequisite: Econ. 216 and 217.

231 Economic Statistics I 3.0;3 cr.
Descriptive statistics, including frequency distributions, measure of central tendency and measures of variation; elements of probability theory and statistical inference; index numbers. Prerequisite: Math 203.

232 Economic Statistics II 3.0;3 cr.
Theoretical distributions, including the t, binomial, chi-square and F distributions; analysis of variance; simple and multiple regression and correlation analysis; time series analysis. Prerequisite: Econ. 231.

241 Economic Development 3.0;3 cr.
Examines the major theories of economic development: Surplus labor, capital accumulation, historical and cultural approaches. Investigates principal policy controversies: foreign-trade problems, choice of technique, sectoral balance, education, land reform. Also introduces planning techniques for economic development. Prerequisite: Econ. 202.

246 Economic Organization of the Middle East 3.0;3 cr.
Analytical examination of the contemporary performance of Arab economics, their developmental experience, the changes in their structure, their major resources, and the outlook for development. Prerequisite: Econ. 202.

251 History of Economic Doctrines 3.0;3 cr.
The development of economic ideas including Mercantilism, Physiocracy, the classical schools, socialist theory, the early historical school, the Austrian school, the mathematical school and Marshall. Prerequisite: Econ. 202, and Senior standing.

256 Contemporary Economic Systems 3.0;3 cr.
Analysis of the main features of capitalism, socialism, fascism and communism, emphasizing historical evolution, current theories, apologists, critics, disintegration theories and practical implication. Prerequisite: Econ. 251.

281 International Trade and Finance 3.0;3 cr.
The theory of international trade, international commercial problems and policies, principles of international finance, foreign exchange, international

financial relationships, currency problems, debts. Attention will be given to major contemporary international trade problems. Prerequisite: Econ. 202.

EDUCATION

201 Introduction to Education, 3.0;3 cr.
Introduction to the field of education including the socialization process, history, schools of thought, nature and goals of educational institutions, human learning processes, and methods of classroom dynamics and evaluation. Prerequisite: Sophomore standing.

210 Pre-School Education 3.0;3 cr.
A critical study of early childhood education with implications for the curriculum in the nursery school and Kindergarten. Prerequisite: Ed. 201.

211-212 Principles and Methods of Teaching 6.0;6 cr.
Laboratory approach aimed at understanding the aims, principles, methods and management of teaching. The course includes critical observation and practice teaching experience, conducted in secondary schools under the guidance of the College instructor. Prerequisite: Ed. 201, 215, and Senior standing. (TEFL majors may take 211 in their Junior year).

213-214 Principles and Methods of Teaching in Elementary Schools 6.0;6 cr.
Laboratory approach aimed at understanding the aims, principles, methods, and managements of teaching in elementary years. The course includes critical observation and practice teaching in the elementary school under the guidance of the College instructor. Prerequisite: Ed. 201, 210, Psych. 201.

215 Educational Psychology 3.0;3 cr.
An introduction to the laws of human growth and development and the implications of these laws for the classroom teacher and pupil, including study of the learning process and problems of pupil adjustment and mental hygiene, Prerequisite: Ed. 201 Recommended for the Junior year.

216 History and Philosophy of Education 3.0;3 cr.
A study of problems in education in their historical and philosophical settings. Prerequisite: Ed. 201 Recommended for the Junior year.

221 Classroom Dynamics 3.0;3 cr.
Introduction to contemporary communications theory. Group work to develop techniques of feedback analysis. Concentration on improvement of oral fluency required for teaching English. Prerequisite: Eng. 101-102.

222A The Teaching of the Armenian Language 3.0;3 cr.
A study of modern methods of teaching Armenian pronounciation and

enunciation, principles of sentence construction including specifics of the Armenian language.

222B The Teaching of Social Studies 3.0;3 cr.
General principles and techniques of social studies teaching in Elementary and Secondary schools in the Middle East. Prerequisite: Ed. 201, and Junior standing.

222C-223C The Teahcing of English as a Foreign Language 6.0;6 cr.
The application of concurrent linguistic theory of the teaching of English as a foreign language. Attention is given to the teaching of pronounciation, grammar, vocabulary and writing The course includes critical observation and practice teaching experience, conducted in Elementary and Secondary schools under the guidance of the College instructor. (Completion of this course exempts the English major from taking Ed. 211-212 as a requirement for the Normal Diploma). Prerequisites: Ed. 201 and Eng. 226 (or concurrent registration). Students may receive credit for only one of the following: Ed. 212, 214, or 223C.

222D The Teaching of Science and Mathematics 3.0;3 cr.
Designed for those who plan to teach science and/or mathematics. Foundations of science and mathematics, concepts of science-mathematics teaching, science-mathematics curriculum, evaluation, preparation for science-mathematics instruction, and contributions of learning theory and research to teaching. Prerequisite: Ed. 202 and Junior standing.

222E The Teaching of Fine Arts 0,3;3 cr.
Teaching methods, techniques, materials of art and music for self expression, art appreciation and cultural history. Prerequisite: Ed. 202.

222F The Teaching of Arabic Language 3.0;3 cr.
Teaching the language arts on Elementary and Secondary level with its subfields of written and oral expression. To read thoughtfully, to listen intelligently, to speak effectively, and to think critically. Prerequisite: Ed. 202.

224 Principles of School Counselling 3.0;3 cr.
A critical examination of theories and techniques of psychological counselling, aimed at providing future teachers with insight into solving student problems. Prerequisite: Psych. 201, Ed. 202.

229-230 Special Education 6.0;3 cr.
An introduction to the teaching of handicapped children. This course includes medical and psychological aspects of hearing-speech and mental retardation disorders in children and methods of teaching children with such handicaps.

231 Audio-Visual Methods and Materials 3.0;3 cr.
A basic survey of the field of Audio-Visuals designed to familarize students

with the types and uses of Audio-Visual materials practical for the classroom. Practice is given in the operation of projectors, tape recorders, record players, duplicating equipment, etc.

241 Introduction to Educational Administration 3.0;3 cr.
Structural organization of public and private schools. Functions and responsibilities of school officials as administrators, counselors, faculty, teacher aids, staff and others. Prerequisite: Ed. 202.

245 Comparative Education 3.0;3 cr.
A survey of the organization of Arab educational systems before and after the Second World War in the light of the current social situation in the West and in the East. Prerequisite: Ed. 201.

247 Education and Social Change 3.0;3 cr.
Changes in ways of life bring institutional change. Different theories of social change force school systems to change. The role of the teachers as agents for social change. Knowledge, techniques, and skills needed to plan desirable change. Prerequisite: Ed. 201, Psych. 201.

292 Special Topics 3.0;3 cr.
Directed readings in selected topics in Education. Prerequisite: Junior standing or consent of Division Chairman.

ENGLISH

101 – 102 English Communication Skills 8.0;8 cr.
A comprehensive study of structure and its application to written communication; intensive practice in efficient reading and composition. Special emphasis is placed on English language skills needed for college level work in which English is the medium of instruction.

201 Advanced English Communication Skills 3.0;3 cr.
Comprehensive reading and writing. skills based on the foundation laid in Eng. 101-102. Study of methods for writing college term papers including the use of library facilities and references, style and appreciation. Prerequisite: Eng. 101-102.

202 Public Speaking 3.0;3 cr.
Practice in diction and in the organization and presentation of material for various public occasions. Prerequisite: Eng. 101-102.

203 Literary Genres 3.0;3 cr.
An introduction to literary genres – poetry, drama and fiction; analysis of formal types and development of each genre. English majors should try to take this course as early in their program as possible. Prerequisite: Eng. 201.

205-106 Survey of English Literature 6.0;6 cr.
A comprehensive survey of English literature from earliest times to the Twentieth centuty, dealing with historical development, formative factors, and successive movements. Prerequisite: Eng. 201 or concurrent registration.

207 The Age of Chaucer 3.0;3 cr.
A study of the Fourteenth-century Masters focusing attention on Chaucer; literature of the Middle English Period. Prerequisite: Eng. 201.

208 Shakespeare 3.0;3 cr.
A study of the comedies and tragedies as seen against the background of the Elizabethan Age. Prerequisite: Eng. 201.

209 Studies inthe Elizabethan Age 3.0;3 cr.
Lyric Poetry, Literary criticism, and the prose narrative of the English Renaissance. Prerequisite: Eng. 201.

213 The Age of Milton 3.0;3 cr.
A study of Seventeenth-century literature with special emphasis on Milton; along with other Puritan and Restoration writings. Prerequisite: Eng. 201.

214 The Age of Reason 3.0;3 cr.
A study of Eighteenth-century literature with emphasis on Pope, Johnson and the Classical tradition, Prerequisite: Eng. 201.

215 The Romantic Age 3.0;3 cr.
A study of the major literary figures of the Age: Blake, Burns, Wordsworth, Coleridge, Byron, Keats and Shelley, with a consideration of Jane Austen, Scott and the Essayists. Prerequisite: Eng. 201.

216 Vistorian Age 3.0;3 cr.
Survey of the Victorian novel together with a study of contemporary poets, Tennyson, Browning, Rosetti and Swinburne. Prerequisite: Eng. 201.

217 Twentieth Century Literature 3.0;3 cr.
A study of British and American writers in the modern setting. Prerequisite: Eng. 201.

218 American Literature 3.0;3 cr.
A survey of American literature from inception to the present with special consideration of the formative writings. Prerequisite: Eng. 201.

219 Literary Criticism 3.0;3 cr.
An intensive survey of critical theory from antiquity to the present day with particular emphasis on the practical aspects of criticism. Prerequisite: Eng. 201.

220 Modern Drama 3.0;3 cr.
A survey of English and European Drama from Pirandello to the present day

with particular emphasis on experimental trends in drama. Prerequisite: 201.

221 Classroom Dynamics 3.0;3 cr.
Introduction to contemporary communications theory. Group work to develop techniques of feedback analysis. Concentration on improvement of oral fluency required for teaching English. Prerequisite: Eng. 101-102.

225 History of English 3.0;3 cr.
A study of the internal and external history of English: phonological and grammatical change, vocabulary change and acquisition, together with literary influence in linguistic development. Prerequisite: Eng. 201, 226 or concurrent registration.

226 General Linguistics 3.0;3 cr.
A general introduction to linguistics: Phonemics and morphemics of language. The course examines such topics as the origin and nature of language, the history of English, the classification of language families, and written forms of languages together with etymology. Prerequisite: Eng. 201.

227 Phonetics and Phonemics 3.0;3 cr.
A basic introduction to the sound system of language, with particular emphasis on the phonemic system of English. Prerequisite: Eng. 201, 226 or concurrently.

229 Modern English Grammar 3.0;3 cr.
A study of the structure of present day English with specific. descriptive analysis of its morphological and syntactic system, 229 will be a survey of modern grammar and is strongly recommended for all English majors. Prerequisite: Eng. 201, 226 or concurrently.

241 Creative Writing 3.0;3 cr.
A general creative writing course which will be designed to satisfy the interests and needs of students actually enrolled. There will be no particular limitation on the kinds of writing to be practised. Prerequisite: Eng. 201 (with a grade of 70).

243 Introduction to Journalism 3.0;3 cr.
Survey of the history, principles and function of news media with instruction and exercice in techniques of reporting, copy editing and layout. Prerequisite: Eng. 201 (with consent of instructor).

244 The Restoration Period 3.0;3 cr.
A study of the drama of the period with a survey on the works of major poets, essayists and diarists.

245 Comparative Literature 3.0;3 cr.
Intensive analysis of various periods and several masterpieces of European literature read in translation. Prerequisite: Eng. 201.

292 Selected Topics 3.0;3 cr.
Directed reading in selected topics in English. Prerequisite: Consent of the Chairman of Division.

295 Senior Seminar 3.0;3 cr.
The Senior Seminar will stress either language or literature according to the interests and aims of the students enrolled. Open to Seniors and those Juniors who have advisor's permission.

FRENCH

101-102 French Stage I 8.0;8 cr.

201-202 French Stage II 6.0;6 cr.
Both sequences provide an introduction to the basic structure and vocabulary of contemporary conversational French through audio-visual media.

203-204 French Stage III 6.0;6 cr.
Continuation of French 202 with the practice of idiomatic expressions and specialized vocabulary through audio-visual media.

205 French Literature 3.0;3 cr.
An advanced course consisting of the survey of selected French literary masterpieces. Prerequisite: French 204 or an equivalent knowledge of French.

GENERAL SCIENCE

101-102 General Science for Freshman Arts Students 3.3;4 cr.
An integrated course dealing with certain basic concepts in Astronomy, Biology, Chemistry and Physics. Certain aspects of the above sciences of immediate interest to mankind are emphasized and dealt in detail i.e. Solar System, Atomic disintigration, energy crisis, soil conservation and desertification, ecosystems and food chains, pollution, Evolution, endemic and pandemic human disease. Genetics and Eugenics, sex education, drug use and abuse.

HISTORY

101 Survey of Modern Europe and the Near East I 3.0;3 cr.
Political and Cultural development of Europe and the Near East from the origins of civilization to the French Revolution of 1789. Emphasis on

interrelationship in diplomacy, ideas and economics.

102 Survey of Modern Europe and the Near East II 3.0;3 cr.
Political and cultural development of Europe and the Near East from the French Revolution to the present. Emphasis on inter-relationship in diplomacy, ideas and economics.

217 Byzantine History 3.0;3 cr.
A survey of thousand-year empire of the second Rome from the background of Constantine to the Ottoman Conquest.

231 Medieval History 3.0;3 cr.
The collapse of Classical Civilization in the West in the fifth century and the resurgence of Europe in the fifteenth century.

232 Renaissance and Reformation History 3.0;3 cr.
A study of the cross currents of ideas known as the Renaissance and of the various reforming and revolutionizing trends in the church.

234 Europe in the Seventeenth and Eighteenth Centuries 3.0;3 cr.
An economic, political and social history of Europe from the Treaty of West-phalia to the French Revolution.

235 Europe in the Nineteenth Century 3.0;3 cr.
An economic, political and social history of Europe from the Congress of Vienna to the Treaty of Versailles.

238 Europe in the Twentieth Century 3.0;3 cr.
An economic, political, and social history of Europe from the Treaty of Versailles to the present. (same as P.S. 238)

240 History of the Ancient Near East 3.0;3 cr.
A historical and cultural survey of Egypt, Mesopotamia, Palestine, Syria and Lebanon from pre-historic times to the rise of Islam.

241 History of the Near East during the Islamic Period 3.0;3 cr.
Islamic history from the rise of the Islamic Empire to the fall of Baghdad in 1258.

242 History of the Ottoman Empire 3.0;3 cr.
A historical survey of the Ottoman Empire from its origins to 1800 A.D. Primarily a study of the history and political institutions of the Ottoman Empire, and the relations between Turks, Arabs and Armenians in the Asiatic possessions of the Empire.

243 The Ottoman Empire and the Near East in the 19th and 20th Centuries 3.0;3 cr.
A study of the Eastern Question, emphasizing in particular the impact of Europe on the Near East, and the emergence of Arab and Armenian nationalisms. (Same as P.S. 243)

244 Contemporary Middle East 3.0;3 cr.
A political, cultural and economic history of the Middle East in the 20th century. (Same as P.S. 244)

246 History of Islamic Institutions 3.0;3 cr.
An historical examination of the principle intellectual and religious institutions of Islam; revelation; tradition; the law; theology; political theory and philosophy.

248 History of Lebanon; 634 to 1920 3.0;3 cr.
A survey of the history of Lebanon from the Arab conquest of Syria until the emergence of the state of greater Lebanon. (Same as P.S. 248).

255 History of the United States 3.0;3 cr.
A broad summary of the roots and growth of the United States from the discovery of America to its modern world role.

262 History of Russia 3.0;3 cr.
A broad summary of the development of Russia as a national entity and world power with special emphasis on the post-revolutionary Communist state of the U.S.S.R.

285 Philosophy of History 3.0;3 cr.
An examination of the theories which have attempted to analyze, explain and describe the historical process, together with a study of several theories concerning the responsibilities, techniques and goals of historical writing. Prerequisite: Junior standing.

292 Selected Topics 3.0;3 cr.
Directed reading or seminar study in selected topics in History. Prerequisite: Junior or Senior standing and consent of Division Chairman.

295 Senior Seminar 3.0;3 cr.
Open to Seniors and Juniors who have advisor's permission.

INTERCULTURAL STUDIES

201-202 Culture of Man until the Reformation 6.0;6 cr.
A study of selected literary works of importance together with a parallel study of their historical backgrounds.

211-212 Culture of Man from the Reformation to the Present 6.0;6 cr.
An intensive examination of Western culture from the end of the Reformation to the present. Emphasis is on those values and problems that have shaped the character of contemporary life. Based on a critical analysis and discussion of primary sources. Prerequisite: I.S. 201-202.

MATHEMATICS

101 Introductory College Mathematics 3.0;3 cr.
Sets, relations and functions. Real and complex numbers. Mathematical Induction. Binomical formula. Polynomials and algebraic functions. Simultaneous linear and quadratic equations and inequalities. Matrices and determinants. Logarithmic, exponential and trigonometric functions. Analytic geometry (conic sections).

102 Calculus & Analytic Geometry I 3.0;3 cr.
Limits and continuity of functions. Differentiation and integration of algebraic, trigonometric, logarithmic, exponential and hyperbolic functions, and their inverses. Applications of differentiation and of the definite integral. Prerequisite: Math. 101.

103 Precalculus Mathematics for Social Sciences 3.0;3 cr.
Real numbers and coordinate geometry. Solution of systems of linear equations and inequalities in one and two unknowns and their graphs. Special products and factorization of polynomials. Simplification of algebraic fractions. Roots and radicals. Quadratic equations in one unknown. Direct, inverse, joint and power variation. Law of Pythagoras, proportions, similar and congruent triangles. Trigonometry. (Students taking Math. 101 and 103 will be credited for only one of them).

104 Calculus for Social Sciences 3.0;3 cr.
Elements of analytic geometry. Intuitive concept of limits and continuity of functions. Derivatives, indefinite and definite integrals, with emphasis on geometric interpretations, computational techniques and applications. Definitions, properties, derivatives and integrals of algebraic, trigonometric, exponential and logarithmic functions. Prerequisite: Math. 101 or 103. (Students taking Math. 102 and 104 will be credited for only one of them).

201 Calculus & Analytic Geometry II 3.0;3 cr.
Methods of integration. Improper integrals. Polar coordinates. Vectors and parametric equations. Elements of linear algebra. Vector functions and their derivatives. Partial differentiation. Prerequisite: Math. 102 or Bacc. II (Math. or Exp.).

202 Calculus & Analytic Geometry III 3.0;3 cr.
Multiple integration. Basic notions of convergence and divergence of sequen-

ces and series. Complex numbers and functions. First and second order differential equations; linear differential equations with constant coefficients. Prerequisite: Math. 201.

203 Mathematics for Business and Economics 3.0;3 cr.
Real number system. Sets, relations and functions. Sequences and series of real numbers; binomial formula; arithmetic and geometric series. Methods of integration; improper integrals; partial differentiation; applications. Systems of linear equations; vector and matrix algebra; determinants; applications. Prerequisite: Math. 102 or 104 or Bacc II (Math. or Exp.). (Students taking Math. 201 and 203 will be credited for only one of them).

205 Sets & Number Systems 3.0;3 cr.
Algebra of sets; relations and functions; generalized set operations. Constructive and axiomatic development of natural numbers, integers and rational numbers; a brief discussion of real numbers via Dedikind cuts. Cardinal numbers and their arithmetic.

206 Metric Topology 3.0;3 cr.
Metric spaces. Topologies generated by metrics. Separation properties. Connectedness. Compactness. Completeness. Detailed study of the usual topology of the Euclidean n-space. Bolzano-Weierstrass, Cantor intersection, Lindelof covering and Heine-Borel theorems. Continuous mappings. Prerequisite: Math. 205.

213 Topics in Geometry 3.0;3 cr.
Symmetry, isometry and similarity in the Euclidean plane. Inversion in a circle and in a sphere. Analytic geometry. Projective geometry. Affine geometry. Differential geometry. Prerequisite: Math. 202.

214 Topology 3.0;3 cr.
Topological spaces; bases and subbases. Separation properties. Connectedness. Compactness. Mappings of topological spaces. Product spaces. Metric spaces. Prerequisities: Math. 202, 206.

219 Linear Algebra I 3.0;3 cr.
Vector spaces: basis, dimension, subspaces, isomorphisms. The algebra of linear transformations and matrices; the matrix of a linear transformation. Row and column spaces. Systems of linear equations.

220 Linear Algebra II 3.0;3 cr.
Determinants. Eigenvalues and eigenvectors; diagonal representations of linear transformations; the Cayley-Hamilton theorem. Orthonormal basis and orthogonal complements in inner product spaces. Linear transformations on inner product spaces. Prerequisite: Math. 219.

222 Vector Analysis 3.0;3 cr.
Vector algebra. Differentiation and integration of vector functions. Scalar, vector and conservative fields. Line, surface and volume integrals. Stokes'

theorem; Green's integral theorems; the Divergence theorem. Curvilinear coordinate systems. Prerequisite: Math. 202.

223 Advanced Calculus I 3.0;3 cr.
The real and complex number systems. Topology of Euclidean and metric spaces. Numerical sequences and series. Continuity. Differentiation. Prerequisities: Math. 202, 206.

224 Advanced Calculus II 3.0;3 cr.
The Riemann-Stieltjes integral. Uniform convergence of sequences and series of functions. Power series and transcendental functions. Functions of several variables. Prerequisite: Math 223.

225N Differential Equations 3.0;3 cr.
Common types of differential equations; systems of equations; initial value and boundary value problems. Physical applications. Prerequisite: Math. 202.

227N Complex Variables 3.0;3 cr.
Complex numbers. Analytic functions. Elementary functions. Mapping by elementary functions. Integrals: the Cauchy-Goursat Theorem; the Cauchy integral formula; Morera's theorem. Series: Taylor and Laurent series; zeros of analytic functions. Residues and poles. Prerequisite: Math. 202.

233 Probability and Statistics 3.0;3 cr.
Probability theory for discrete variables and extension to continuous variables; conditional probability and statistical independence. Analysis of data, random variables, probability distributions and sampling distributions. Some estimation and testing methods. Prerequisite: Math. 202.

241N Modern Algebra I 3.0;3 cr.
Groups; normal subgroups; quotient groups; group homomorphisms and automorphisms; permutation groups and Cayley's theorem; Sylow's theorem; finite abelian groups. Rings and homomorphisms; ideals; fields of quotients. Prerequisite: Math. 219.

242 Modern Algebra II 3.0;3 cr.
Euclidean and polynomial rings; irreducible polynomials; polynomial rings over commutative rings. Vector spaces and modules. Fields; algebraic and transcendental extensions; elements of Galois theory; solvability by radicals. Finite fields. Wedderburn's theorem on finite division rings. Prerequisite: Math. 241N.

251 Numerical Analysis 3.0;3 cr.
Iterative methods. Numerical solution of non-linear equations. Interpolation and approximation. Numerical differentiation and integration. Numerical integration of differential equations. Prerequisites: Math. 202, 220 and C.S. 201.

261 Number Theory 3.0;3 cr.
Divisibility; Euclidean algorithm. Prime numbers and the fundamental

theorem of arithmetic. Congruences; Fermat's and Wilson's theorems; solutions of congruences. Quadratic residues and reciprocity. Some functions of number theory. Some diophantine equations. Simple continued fractions. Distribution of primes. Prerequisite: Math. 202.

292 Selected Topics 1-3.0;1-3 cr.
Topics selected according to the needs of students. Prerequisite: Consent of instructor.

PHILOSOPHY

206 Introduction to Philosophy 3.0;3 cr.
A study of the basic philosophical terminology and schools of thought needed to understand modern philosophy and modern thought in general as it relates to philosophy. The course also aims at providing the student with the philosophical background needed to cope with the peculiar questions raised by modern science and modern thought in general.

207 Introduction to Logic 3.0;3 cr.
A survey of general principles of correct argument and the traditional logical fallacies, the Aristotelian syllogism and its conversions, deductive and inductive argument, and an introduction to modern symbolic logic.

PHYSICS

101 Introductory Physics I 4.3;5 cr.
Statics. Kinematics. Dynamics. Impulse and momentum. Energy. Hooke's law. Gravitation. Heat. Prerequisite: Concurrent enrollment in Math. 101.

102 Introductory Physics II 4.3;5 cr.
Gases. Kinetic theory. Thermodynamics. Waves. Speed of light. Geometrical and physical optics. Relativity. Prerequisites: Phys. 101 and concurrent enrollment in Math. 102.

103 Physics for the Biological Sciences. 3.3;4 cr.
Physical measurements. Motion in a straight line. Vectors. Laws of translational motion. Mechanics of rigid bodies. Conversation of energy. Oscillations. Electricity and magnetism.

202 Physics for Secondary School Science Teachers 3.0;3 cr.
Review of general physics with emphasis on topics needed for secondary school instruction and topics not generally covered in introductory college courses – e.g., surface tension, hydrodynamics, electrochemistry, thermo-

electricity, music, photometry, etc., Prerequisite: consent of instructor.

204 Classical Physics for Biological Sciences 3.0;3 cr.
Laws and biological applications of thermodynamics. Kinetic theory of gases and applications to transfer of gases in the human lung. Hydrostatics and applications involving blood pressure. Hydrodynamics; viscosity; diffusion; osmosis; sedimentation. Sound and waves; the ear and hearing. Light; the eye and the vision. Prerequisites: Phys. 103 (or Phys. 102) and Math. 102, or Bacc. II (Math. or Exp.). (Majors involving Physics cannot apply credits towards graduation).

206 Classical Physics for Biological Sciences 0.2;1 cr.
Boyle's law. Specific heat of gas. Gas thermometer. Density measurement (Archimedes' principle). Modulus of rigidity. Surface tension. Viscosity. Standing waves. Elastic potential. Speed of sound in a metal. Michelson interferometer. Microwave optics. Polarized light. Prerequisite: Phys. 204 at least concurrently. (Majors involving Physics cannot apply credits towards graduation).

210 Astronomy 3.0;3 cr.
Early astronomy. Newton's laws and planetary motion. Spinning earth; seasons and eclipses. Physics of the planetary system, galaxies and cosmology. Prerequisite: Math. 102 or Bacc. II (Math. or Exp.).

211 Electricity & Magnetism 3.0;3 cr.
Electric charge, fields and potential; electric current and circuits; magnetic fields; electric and magnetic fields in matter; electromagnetic induction and Maxwell's equation. Prerequisites: Phys. 102 or Bacc. II (Math. or Exp.), and Math. 201 at least concurrently.

212 Modern Physics 3.0;3 cr.
Atomic view of matter, electricity and radiation; atomic models, relativity, X-rays, waves and corpuscles, solid state, natural and artificial radioactivity, nuclear energy, elementary particles. Prerequisite: Phys. 211.

213 Electricity and Magnetism: Lab. 0.3;1 cr.
Electric field mapping. Ohm's law. Power matching. Attenuator. Galvanometer. VOM. Resistance bridge. Potentiometer. Current balance. Magnetic induction. Transformer. Magnetic resonance. Cathode-ray oscilloscope. RC and RCL-networks. Capacitance bridge. Hysteresis. Prerequisite: Phys. 211 at least concurrently.

214 Atomic & Nuclear Physics: Lab. 0.3;1 cr.
Balckbody radiation. Planck's constant. Bragg diffraction. e/m ratio. Electron charge. Atomic spectra. Classical scattering. Half-life of thoron. Geiger counter. Prerequisite: Phys. 212 at least concurrently.

215 Thermodynamics 3.0;3 cr.
Fundamental concepts of thermodynamics. Equation of state. The first and

second law of thermodynamics and their consequences; entropy. Thermodynamic potentials. Applications to chemical potential, blackbody radiation and magnetism. Statistical thermodynamics. Prerequisite: Phys. 102 or Bacc. II (Math. or Exp.), and Math. 201 at least concurrently.

216 Electronics 3.3;4 cr.
Electronic theory. Emission of electrons. Electron tubes. Transistors. Electronic circuits and devices; sinewave and relaxation oscillators. Trigger, flip flop. Prerequisite: Phys. 211, 213 and Math. 201.

217 Mechanics 3.0;3 cr.
Kinematics and dynamics of a particle. Theory of oscillations. Systems of particles. Conservation laws. Rigid bodies. Statics. Continuous media. Lagrange's and Hamilton's equations. Prerequisites: Phys. 102 or Bacc. II (Math. or Exp.), and Math. 202 at least concurrently.

218 Quantum Mechamics 3.0;3 cr.
Wave-Mechanics. Schroedinger's equation and one dimensional applications. Lagrange's and Hamilton's equations. Operators. Correspondence principle and uncertainty relations. Angular momentum, three dimensional harmonic oscillator. Hermite and Laguerre polynomials. Hydrogen atom. Complets sets and expansions. Prerequisites: Phys. 212 and 217.

219N Applications of Quantum Mechanics 3.0;3 cr.
Time-independent and time-dependent perturbation theory. Variational methods. One electron atoms and relativistic effects. Pauli principle. Hydrogen molecule. Multi-electron atoms. Zeeman and Paschen-Back effects. Prerequisite: Phys. 218.

220N Electromagnetic Theory 3.0;3 cr.
Electrostatics. Gauss' law. Dielectrics, polarization and electric displacement. Electrostatic energy, coefficient of capacitance and inductance. Electric current. Magnetic field. Magnetization, magnetic induction and energy. Mazwell's equation and applications. Prerequisites: Phys. 211 and Math. 202.

221 Junior Physics Laboratory 0.6;3 cr.
Glass blowing. Transient and steady states of a simple harmonic oscillator. Coupled oscillators and periodic structures. Bridge circuits. Determination of the speed of sound in a liquid. Prism spectrometer. The Franck-Hertz experiment. Planck's constant. Measurement of the acceleration of gravity. Prerequisites: Phys. 213 and 214.

222 Senior Physics Laboratory 0.6;3 cr.
Measurement of the speed of light. Nuclear magnetic resonance. Optical Zeeman effect of the green and yellow lines of the mercury spectrum. Electro-optical effect. Lasers. Mass spectromimeter. Stern-Gerlach experiment. Prerequisite: Phys. 221.

223N Physical Optics 3.0;3 cr.
The wave theory of light. Interference: Young's experiment, Fresnel's

biprism and double mirror, Lloyd's mirror, Newton's rings, Michelson interferometer. Multiple beam interferometry. Diffraction. Physical theory of image formation. Prerequisite: Phys. 220N.

224 Mathematical Methods of Physics 3.0;3 cr.
Complex variables. Laplace transform and its inverse. Fourier transform and convolution theorem. Gamma, beta and other special functions. Linear differential equations. Matrices and determinants. Partial differential equations: Laplace, wave, heat conduction and Schroedinger equations. Prerequisite: Math. 202.

225 Nuclear Physics 3.0;3 cr.
General properties of nuclei. Low energy nucleon, nucleon scattering, the deuteron. Nuclear forces and models. Fission, alpha disintegration, beta decay, gamma decay. Nuclear reactions. Prerequisite: Phys. 218.

226 Solid State Physics 3.0;3 cr.
Lattice vibrations, specific heat and thermal conductivity. Phonon scattering, microwave ultrasonics and infrared absorption. Electric conductivity and Hall effect. Semiconducting crystals. Electric and magnetic susceptibility. Prerequisite: Phy. 218.

227 Elementary Particles 3.0;3 cr
Relativistic kinematics. Particle beams and detectors. Pi-mesons and mu-mesons. Strong, weak and electromagnetic interactions. Strange particles. Weak decays. Strongly decaying resonances. Classification of particles. Prerequisite: Phys. 218.

292 Selected Topics 1-4 cr.
Topics selected according to the needs of students. Prerequisite: Consent of instructor

POLITICAL SCIENCE

201 Introduction to Political Science 3.0;3 cr.
A general survey of the various types of political systems, of the theory and functions of the State, of the machinery of government, and of relations between States.

211 History of Western Political Thought – Ancient and Medieval 3.0;3 cr.
A survey of political thought of the Greco-Roman, the Renaissance, and the Reformation periods. Prerequisite: concurrent enrollment in 201.

212 History of Western Political Thought – Modern 3.0;3 cr.
A survey of political thought from the Reformation to the present. Prerequisite: concurrent enrollment in 201.

213 Contemporary Political Thought 3.0;3 cr.
Major political doctrines of the contemporary period, and their influence upon political movements and institutions as they are reflected in the democratic and undemocratic forms of government.

221 Modern Government 3.0;3 cr.
A general survey of the various types of political systems; emphasizing the relationships between institutions and processes. A detailes study of the governmental machinery and the role of political parties, interest groups, and public opinion. Prerequisite: concurrent enrollment in 201.

231 Public Opinion 3.0;3 cr.
Covers the nature of public opinion, communication processes, agencies of mass influence, analysis of symbolic processes audiences; censorship and propaganda; roles of advertising and techniques in modern society. Particular reference to developing nations and the Middle East (Same as Sociology 231).

232 International Relations 3.0;3 cr.
A survey of the basic forces and factors determining relations between States, with special emphasis on the nature. elements, and role of power. A study of the development of international law and international organization, and the basic foreign policies of the major powers. Prerequisite: concurrent enrollment in 201.

233 International Relations of the Middle East 3.0;3 cr.
Study of the relations among the Middle Eastern states with each other and with states in the international arena.

238 Europe in the Twentieth Century 3.0;3 cr.
An economic, political, and social history of Europe from the Treaty of Versailles to the present. (Same as History 238).

241 Contemporary Arab Society 3.0;3 cr.
Provides a sociological orientation to the analysis of the processes and consequences of social change in contemporary Arab society. Definition and analysis of major problems; the study of structure and change, special emphasis will be placed on the transformation in major social institutions including the family, policy, economy, classes, demographic composition, ethnic group. (Same as Sociology 241).

242 Jurisprudence 3.0;3 cr.
A study of the kinds of law; the nature and sources of law; the administration of civil and criminal justice; the nature of legal rights and duties; the leading schools of jurisprudence. Prerequisite: concurrent enrollment in 201.

243 The Ottoman Empire and the Near East in the 19th and 20th Centuries 3.0;3 cr.
A study of the Eastern Question, emphasizing in particular the impact of

Europe on the Near East, and the emergence of Arab and Armenian nationalisms. (Same as History 243).

244 Contemporary Middle East 3.0;3 cr.
A political, cultural and economic history of the Middle East in the 20th century. (Same as History 244).

245 Public International Law and Organization 3.0;3 cr.
The origins, character, and sources of international law and its relation to State law; recognition, territory, and jurisdiction; State responsibility; international intercourse and the law of treaties; the laws of war; the United Nations and the major Specialized Agencies and Regional Organizations. Prerequisite: concurrent enrollment in 201.

246 Public Administration 3.0;3 cr.
The role and scope of bureaucracy in the modern state; formulation and implementation of public policy; planning. programming and decision making in the policy making process. Prerequisits: concurrent enrollment in 201.

248 History of Lebanon: 634 to 1920 3.0;3 cr.
A survey of the history of Lebanon from the Arab conquest of Syria until the emergence of the state of greater Lebanon. (Same as History 248).

250 Politics of Modernization 3.0;3 cr.
Comparative study of cultural, economics, social, and ideological forces important in the political development of late modernizing countries. Emphasis on problems of group conflict, nationalism, leadership, and planning.

251 Political Systems of the Middle East 3.0;3 cr.
A comparative analysis of the governments and politics of the countries of the Middle East with special emphasis on the government and politics of Lebanon.

256 The Armenian Question (In the light of the Eastern Question and the Armenian Revolutionary Movements). 3.0;3 cr.
(Same as Armenian 256).

PSYCHOLOGY

201 General Psychology 3.0;3 cr.
An introduction to the Science of Human Behavior with special attention to experimental findings. Prerequisite: Sophomore standing.

204 Psychology of Personality 3.0;3 cr.
Examination of methods of measuring personality, and of biological and

sociological factors which influence personality. Prerequisite: Psych. 201.

212 Physiological Psychology 3.0;3 cr.
A study of the physiological basis of behavior, including the nervous, endocrine and the sensory sytems. Prerquisite: Psych. 201.

216 Test and Measurements 3.0;3 cr.
An introduction to Psychological testing. The basic problems of test construction and standardization are presented. with reference to general intellectual ability and personality measures. Prerequisite: Psychl. 201 and 217.

217 Statistics in Psychology 3.0;3 cr.
Elementary study of descriptive and inferential statistics, sampling, variability, central tendency, norm curve, correlation and tests of significance. Prerequisite: Psych. 201 concurrently.

218 Abnormal Psychology 3.0;3 cr.
Examination of normal and abnormal reaction patterns with analysis of such behavior tendencies as psychoneurosis, psychosis and mental deficiency. Prerequisite: Psych. 201 and 204.

220 Social Psychology 3.0;3 cr.
Study of social behavior, processes of interaction and interpersonal influences. Prerequisite: Psych. 201.

225 Human Growth and Development 3.0;3 cr.
A study of different aspects of growth and development of the individual from birth to old age. Prerequisite: Psych. 201.

227 Consumer Behavior 3.0;3 cr.
Application of psychological techniques in the understanding and the assessment of consumer behavior, including advertising, with considerations for the Middle East. Prerequisite: Psych. 201 or Consent of Instructor.

228 Experimental Psychology 3.0;3 cr.
A basic course in experimental methods, which includes designing and conducting laboratory experiments, Prerequisite: Psych. 201 and 217.

229 Industrial Psychology 3.0;3 cr.
An examination of psychological principles and techniques and their applications to various phases of industry and business. Prerequisite: Psych. 201 or consent of instructor.

230 Psychology of Perception 3.0;3 cr.
A course in the study of perceptual systems and psychophysics. Prerequisite: Psych. 201 and 217.

232 Psychology of learning 3.0;3 cr.
A course on the learning process including verbal learning and problem solving. Prerequisite: Psych. 201 and 217.

295 Senior Seminar 3.0;3 cr.
Intensive study of one specific area in psychology following which a project is undertaken by the individual student under the tutorship of the instructor. Open to Seniors only.

RELIGION

203 Comparative Religion 3.0;3 cr.
An introductory and comparative study of major world religions, involving the investigation of origins, analysis of growth and reciprocal influences. Attention is focused on living religions that are still a force today.

205 Christian Ethnics 3.0;3 cr.
The examination of the Biblical approach to moral life. The basic meaning of Christian personal and social ethics is studied in relation to other religious and philosophical theories of ethics.

207 Philosophy of Religion 3.0;3 cr.
A study of the philosophical principles associated with the Christian faith.Special attention is given to such topics as Faith and Reason, the role of Imagination, History and Revelation.

SOCIOLOGY

201 Principles of Sociology 3.0;3 cr.
Basic principles for understanding social relationships and scientific points of view in dealing with social phenomena. Recommended as the first Siciology course for students planning to take additional courses in the department.

202 Organizational Analysis 3.0;3 cr.
Examination of major theories and research on functions, processes, and structure of formal organizations. Systematic comparison of industrial, governmental, religious, military, political, and educational organizations, including factories, universities, hospitals, prisons, churches, and voluntary associations. The place of formal organizations in contemporary social structure. Examples from Western and Middle Eastern societies.

211 The Family 3.0;3 cr.
Study of interpersonal dynamics of family relationships: role relationships

within the family, socialization, conflict and solidarity in families, marriage and divorce, the influence of external roles on family functioning, the family as a social institution, its place in different cultures and social strata. Relationships between the family and other major social institutions. Impact of social change on family life. Examples from Western and Middle Eastern societies.

221 Social Disorganization 3.0;3 cr.
An analysis of processes of social disorganization and deviant behavior in a variety of socio-cultural settings. Problems such as alcoholism, drug addiction, prostitution, suicide, family disorganization, political deviance, alienation, crime, and delinquency. Particular reference to the Middle East.

231 Public Opinion 3.0;3 cr.
Covers the nature of public opinion, communication processes, agencies of mass influence, analysis of symbolic processes; audiences; censorship and propaganda: roles of advertising and techniques in modern society. Particular reference to developing nations and the Middle East. (Same as P.S. 231).

241 Contemporary Arab Society 3.0;3 cr
Provides a sociological orientation to the analysis of the processes and consequences of social change in contemporary Arab society. Definition and analysis of major problems: the study of structure and change, special emphasis will be placed on the transformation in major social institutions including the family, policy, economy, classes, demographic composition, ethnic group. (Same as P.S. 241).

243 Criminology 3.0;3 cr.
Study of the concept of crime, the foundations of criminal liability and pennalities as normal sanctions to criminal behavior. Analysis of the inner nature of criminal behavior and the methods used to study the condition leading to adult and juvenile deliquency. Prerequisite: Soc. 201.

Index

Activities 33
Academic Probation 27
Admission Requirements 15
Arabic 42, 48
Armenian 40, 48
Attendance 31
Averages 26
Bachelor of Arts and Bachelor of Science Programs 36
Biology 44, 57
Board of Managers 6
Board of Trustees 6
Business Administration 40, 59
Calendar 1978-1979 4
Chemistry 44, 62
Christian Education 45
Classification of Students 25
Computer Science 64
Courses of Instruction 39
Course Numbers 39
Cross Registration at Other Institutions 29
Degrees 14
Dismissal from the College 28
Divisional Organization 34
Divisional Requirements 40
Economics 40, 65
Education 46, 67
English 43, 69
Evening College Program 39
Examinations 25
Faculty 7
Fees and Expenses 32
Financial Aid Programs 33
French 43, 72
Grading 25
General Science ..... 72.

History 42, 72
History of the College 12
Intercultural Studies 42, 74
Libraries 34
Mathematics 44, 75
Normal Diploma 37
Normal Load 28
Philosophy 78
Physics 45, 78
Political Science 47, 81
Probation 27
Program of Study 34
Psychology 47, 83
Purpose of the College 13
Refund of Tuition 32
Religion 42, 85
Rules and Regulation 25
Sociology 85
Sophomore Certificate Program 35
Special English Program 38
Staff 7
Student Publications 34
Summer School 39
Transcripts 31
Transfer Credit 30
Withdrawal from the College 30
Withdrawal from Courses 30