

1955

PAC Catalog 1955-1956

Pan American College

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PAN AMERICAN COLLEGE

Edinburg, Texas



Session

1955-1956



PAN AMERICAN COLLEGE IS DEDICATED TO

Honesty in Thinking and Sincerity in Seeking for the Best in Education, Bringing Higher Educational Advantages to Every Young Man and Every Young Woman of the Valley, and to Serving the Mature Citizenship of Its Territory to the Extent of Its Ability and Their Wishes.

(This Dedication was included in the first catalog of the Edinburg College, in 1927.)

PAN AMERICAN COLLEGE

EDINBURG, TEXAS

CATALOG FOR 1955-1956

Junior Division
Member of
American Association of Junior Colleges
American Council on Education
Southern Association of Colleges and Secondary Schools

Senior Division
Member of
American Council on Education
Association of Texas Colleges

Approved for Teacher Education by the
Texas Education Agency

The Senior Division will meet or exceed the published Standards of the Southern Association of Colleges and Secondary Schools, as listed for senior colleges, and will make application for approval by the Association as soon as the usually required number of classes have been graduated.

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CALENDARS FOR 1955 AND 1956

1955

JANUARY							APRIL							JULY							OCTOBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1						1	2							1	2							1
2	3	4	5	6	7	8	3	4	5	6	7	8	9	3	4	5	6	7	8	9	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	10	11	12	13	14	15	16	10	11	12	13	14	15	16	9	10	11	12	13	14	15	
16	17	18	19	20	21	22	17	18	19	20	21	22	23	17	18	19	20	21	22	23	16	17	18	19	20	21	22	
23	24	25	26	27	28	29	24	25	26	27	28	29	30	24	25	26	27	28	29	30	23	24	25	26	27	28	29	
30	31													31							30	31						

FEBRUARY							MAY							AUGUST							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	4	5	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	
6	7	8	9	10	11	12	8	9	10	11	12	13	14	7	8	9	10	11	12	13	6	7	8	9	10	11	12
13	14	15	16	17	18	19	15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15	16	17	18	19
20	21	22	23	24	25	26	22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22	23	24	25	26
27	28						29	30	31					28	29	30	31				27	28	29	30			

MARCH							JUNE							SEPTEMBER							DECEMBER												
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S						
				1	2	3	4	5					1	2	3	4						1	2	3							1	2	3
6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10	4	5	6	7	8	9	10						
13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17	11	12	13	14	15	16	17						
20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24	18	19	20	21	22	23	24						
27	28	29	30	31			26	27	28	29	30		25	26	27	28	29	30	25	26	27	28	29	30	31								

1956

JANUARY							APRIL							JULY							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
29	30	31					29	30						29	30	31					28	29	30	31			

FEBRUARY							MAY							AUGUST							NOVEMBER														
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S								
				1	2	3	4	5					1	2	3	4	5						1	2	3	4							1	2	3
6	7	8	9	10	11	12	6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10								
12	13	14	15	16	17	18	13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17								
19	20	21	22	23	24	25	20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24								
26	27	28	29				27	28	29	30	31			26	27	28	29	30	31	25	26	27	28	29	30										

MARCH							JUNE							SEPTEMBER							DECEMBER													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
				1	2	3	4	5					1	2	3	4						1	2	3	4							1	2	3
6	7	8	9	10	11	12	3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8							
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15							
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22							
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29							
														30							30	31												

COLLEGE CALENDAR, 1955 - 1956

September 1 and 2

Orientation and Testing days for all **beginning freshman students** and for all students who have not previously taken the required tests. No student having fewer than 33 semester hours of college credit may register until he can submit evidence that these tests or their equivalents have been taken. A fee of \$2 is assessed for those who miss this test and take it later. The student should report to the College Auditorium by 8:30 A.M. each day and should be prepared to stay until about 3:30 P.M. Tests and an orientation program will be alternated during the day.

September 6-7

Registration for **evening classes only**, 6:00 P.M. to 9:00 P.M.

September 8-9

Registration for students other than beginning students, 8:00 A.M. to 3:30 P.M.

Those with surnames A - K, September 8

Those with surnames L - Z, September 9

September 10, Saturday

Registration for Saturday classes only, 8:30 A.M. to 12:30 P.M.

September 12-15

Registration for all beginning students according to appointment cards distributed at the September 1-2, Orientation and Testing period.

September 16, Friday

Classes begin

October 3, Monday

Registration closed except by special arrangement.

November 21, Monday

Mid-semester reports

November 24-27, inclusive

Thanksgiving recess

December 18 through January 1

Christmas recess

January 20, Friday

Examination week begins after noon

January 30, Monday

Orientation and Testing for beginning students, 8:30-3:30

January 31, Tuesday

Registration for students not previously registered

February 1, Wednesday

Classes begin

March 29, Thursday

Mid-semester reports

March 30 through April 2

Easter recess

May 21, Monday

Examination week begins

May 27, Sunday

Commencement

May 30, Wednesday

Clearance day

June 1, Friday

Summer Session registration

Organization of the College, 1954-1955

BOARD OF REGENTS

A. L. Cramer, Elsa, President
Orville I. Cox, McAllen, Vice President
Joe E. Chapa, Linn, Secretary
Moulton Cobb, Weslaco
Raymond G. Lambe, Alamo
J. C. Looney, Edinburg
Matias Lopez, Mission
Ernesto Moreno, Mission

GENERAL ADMINISTRATION

R. P. Ward, President, Personnel; Budget; Student Welfare; Placement and Employment; Counseling; Coordination and Expansion of Resources.
H. A. Hodges, Vice President, Educational Program; Public Relations and Accrediting Agencies; Extended Day and Continuation Education; Alumni.
John R. Sawyer, Bursar and Treasurer
H. H. Gauding, Registrar
William R. Holman, Librarian

DIRECTORS OF DIVISIONS

William S. Ware — Agriculture and Technological Arts
T. Lawrence White — American Studies and International Affairs
Yvonne Foree — Arts and Home Life
Robert S. See — Business Administration and Commerce
E. P. Lillard — Communications
J. B. Speer — Education
J. Lell Elliott — Science and Mathematics

EXTENSION AND STUDENT LIFE

L. G. Bounous, Assistant Director, Extended Day Classes and Adult and Continuing Education Program

V. B. Cockrell, Counselor

Ella Fay Hodges, Counselor

Helen Melchior, Manager, Commons, Snack Bar and Concessions

Ralph Morgan, Coordinator for Student Life

Roger Swann, Student Newspaper and Public Relations

ADMINISTRATIVE AIDES

Margaret Bishop, Secretary to the President

Mary J. Flach, College Bookstore

Anne H. Floyd, Assistant to the Librarian

Irene Peterson, Secretary to the Vice President

Nelia Mai Smith, Assistant to the Registrar

Gertrude Wright, Assistant to the Bursar

COLLEGE FACULTY

- BEAUDRY, CHARLES E.**.....French, Spanish
Ph. B., M. A., Marquette University; Ph. D., Laval University
- BEBERFALL, LESTER**..... Italian, German, Latin
B. S., City College, N. Y.; M. A. and Ph. D., University of Michigan
- BOUNOUS, LYLE G.**.....Education
Assistant Director of Continuation Education Program
B. S., Southwest Missouri State College; M. Ed., Ed. D., University of Missouri
- BRETZLOFF, CARL W.**.....Chemistry
B. S., M. S., Northwestern University; Ph. D., Columbia University
- BRADWAY, WINNEFRED E.**.....Biology, Zoology
B. A., M. A., Ph. D., University of Oregon; graduate study, University of Washington, New York University, Oregon State College, Stanford University, Wood's Hole Marine and Zoological Station
- BROOKS, JAMES A.**.....Health and Physical Education
B. S., Middle Tennessee State College; M. A., University of Kentucky
- COCKRELL, V. B.**.....Counselor for Men, Psychology
B. A., Texas Christian University; M. A., George Peabody College
- CORNS, J. B.**.....Agriculture
B. S., Agricultural and Mechanical College of Texas; M. A., University of California; Ph. D., Cornell University
- CRAIG, JENNIE E.**.....Art
B. S., N. E. Missouri State Teachers College; M. A., Columbia University; graduate study, University of Iowa, St. Louis School of Fine Arts, Penland School of Handicrafts, California College of Arts and Crafts, Cross School of Art
- DE VRIES, LOUIS S.**.....Agriculture, Engineering
B. S., Texas College of Arts and Industries; M. E., Agricultural and Mechanical College of Texas
- DRAEGER, SIDNEY S.**.....Mathematics
B. A., M. A., University of Texas; graduate study, University of Texas

- *EDWARDS, HAMP S.....Aviation, Industrial Arts
A. B., Colorado College of Education; M. A., Colorado Agricultural and Mechanical College; graduate study, Colorado College of Education, Agricultural and Mechanical College of Texas
- ELLIOTT, J. LELL.....Chemistry
B. A., M. A., Ph. D., University of Colorado
- FLOYD, ANNE H.....Assistant Librarian
A. B., Western College; Certificate of Library Science, St. Louis Library School
- FLOYD, W. B.....Government, History
B. A., William Jewell College; M. A., University of Kentucky; graduate study, University of Kentucky, George Peabody College, University of Texas
- FOREE, YVONNE.....Art
A. B., University of Kansas City; M. A., Northwestern University; graduate study, Columbia University
- GARCIA, ARTURO J.....Spanish
B. A., University of Oklahoma; M. A., University of Missouri; graduate study, University of Missouri
- GAUDING, HARRY H.....College Registrar
B. A., Maryville College; M. A., University of Tennessee; U. S. Office of Education
- GERBER, PHILIP L.....English
B. A., M. A., Ph. D., University of Iowa
Graduate study, University of Oregon
- GILMORE, L. D.....Education, Reading
B. S., M. S., Oklahoma A. & M.; Ed. D., University of Oklahoma
- HARVEY, JAMES C.....Government, History
B. A., Southern Methodist University; M. A., Ph. D., University of Texas; Graduate study, University of Paris (Sorbonne)
- HARWELL, THOMAS MEADE, JR.....English, Social Science
B. A., Southern Methodist University; M. A., University of Chicago; graduate study, Columbia University
- HAYES, ARTHUR R.....Speech, Social Science
B. S., Sam Houston State Teachers College; M. Ed., D. Ed., University of Texas; graduate study, University of Southern California

* Resigned effective August 31, 1955.

- HENDRIX, S. D.....Mathematics
B. S., Emporia Teachers' College; M. A., Columbia University; D. Ed., University of Texas
- HODGES, ELLA FAY.....Counselor for Women,
Business Administration
B. A., University of Texas; graduate study, University of Texas, Gregg College
- HODGES, H. A.....Vice President of the College
B. A., M. A., University of Texas; graduate study, University of Texas, University of Wisconsin, University of Chicago
- HOLMAN, W. R.....Librarian
B. S. in Ed., University of Oklahoma; M. S. in L. S., University of Illinois
- HUNTER, ADELAIDE M.....Health and Physical Education
B.A., Marshall; M. A., Duke University; Ed. D., Columbia University
- HUNTER, W. ALEXANDER.....Education
B. S., Ohio University; M. Ed., Duke University; Ed. D., Columbia University
- JAMES, PAULINE.....Biological Sciences
B. S., Memphis State; M. S., Ph. D., Cornell University
- LAGRONE, PAUL G.....Accounting
B. S., Bowling Green; M. B. A., Denver; graduate study, University of Alabama
- *LAMB, G. P. W.....English Literature and Philosophy
B. A., M. A., Oxford University
- LILLARD, E. P.....English
B. A., Rice Institute; M. Ed., Southern Methodist University; graduate study, Rice Institute, University of Texas
- LUND, HARRY.....Spanish, Languages
B. A., University of Minnesota; Ph. D., University of Madrid
- LYDAY, FLORICE M.....Business Administration
B. A., M. Ed., University of Oklahoma; graduate study, University of Chicago
- MAGUREAN, CHARLES V.....Orchestra, Band, Music
B. A., Kentucky State College; M. M., Vandercook College of Music; M. A., George Peabody College

* Resigned effective August 31, 1955.

- MAGUREAN, MAUDE.....Home Economics
B. S., Western Kentucky State Teachers' College
- MENG, HARRY G.....Physical Education
B. Ed., University of Miami; M. Ed., University of Missouri
- MILLER, RAYMOND H.....Sociology, Economics
B. A., Rollins; M. A., University of Kentucky; Ph. D.,
Louisiana State University
- MOORE, PHELMA N.....Business Administration
B. A., M. B. A., North Texas State Teachers' College;
Graduate study, Eastern New Mexico University, Texas
Christian University, University of Houston
- MORGAN, RALPH.....Education
B. A., Iowa State Teachers' College; M. S., Colorado State
College of Education
- MORRIS, RUTH DEAN.....Voice, Music
B. M., Baylor University; M. M., Eastman School of Music
Graduate study, University of Colorado, University of
Texas
- MYERS, W. J.....Accounting
B. A., University of Kansas; graduate study, University of
Kansas, Texas A. and I.
- NIELSEN, KARL B.....Piano, Violin, Music
B. A., Iowa State Teachers College; M. A., Columbia Uni-
versity; graduate study, State University of Iowa, Royal
Danish Conservatory of Music, Copenhagen, Denmark,
Conservatory of Music, Geneva, Switzerland
- ORADAT, FRANK R.....Engineering
B. S., Aeronautical Engineering; B. S., Industrial Engineer-
ing; M. S., Mechanical Engineering, Texas Agricultural and
Mechanical College
- OTKEN, CHARLES C.....Chemistry
B. S., Texas Agricultural and Mechanical College; Ph. D.,
Cornell University
- OWINGS, Ruth M.....Speech, Dramatic Art
B. A., B. E., Nebraska Wesleyan University; M. A., North-
western University; graduate study, University of Iowa,
University of Nebraska, University of Chicago, Alviene
School of the Theatre
- PHILLIPS, PHYLLIS.....English
B. A., Southeastern State Teachers' College; M. A., George
Peabody College; graduate study, University of Oklahoma,
North Texas State Teachers' College, George Peabody Col-
lege, University of New Mexico, Colorado State College of
Education

- PIPER, ROSEMARY.....College Nurse
R. N., Santa Rosa School of Nursing
- POWELL, MARSHALL L.....Industrial Arts
B. S., Austin Peay State College; M. A., George Peabody
College
- RABKE, MARY LEE.....Health and Physical Education
B. S., University of Texas; M. S., University of Southern
California
- RAMIREZ, EMILIA.....Adult Education
B. A., Texas College of Arts & Industries; M. A., University
of Texas; graduate study, University of Chicago
- SAWYER, JOHN R.....Bursar
B. B. A., Baylor University
- SEE, ROBERT S.....Business Administration
B. A., Howard Payne; M. B. A., University of Texas
- SMITH, EUCLID.....Home Economics
B. S., Texas State College for Women; M. A., Columbia
University; Ph. D., Texas State College for Women; Gradu-
ate study, Iowa State College, University of Missouri, Uni-
versity of Wisconsin, Agricultural and Mechanical College
of Texas, Cornell University
- SMITH, NELIA MAI.....Assistant to the Registrar
University of Texas
- SPEER, JAMES B.....Education
B. A., West Texas State College; M. A., Texas Technologi-
cal College; Ed. D., University of Texas
- STEWART, W. W.....Bible
A. B., M. A., Harvard; A. M., Kenyon; B. D., Bexley Hall
(Divinity School)
- STOBAUGH, MARGARET.....English, Spanish
B. A., B. M., Oklahoma College for Women; M. A., Univer-
sity of Oklahoma; Doctorado en Letras, Universidad Na-
cional de Mexico
- SWANN, ROGER.....Journalism, Public Relations
B. A., Baylor University; M. A., University of Missouri
- TALLANT, JOSEPH S.....Economics, Government, Law
B. A., M. A., LL. B., University of Texas, graduate study,
University of Texas
- WARD, R. P.....President of the College
B. A., M. A., University of Texas; graduate study, Univer-
sity of Chicago

- WARE, WILLIAM S.....Animal Husbandry
B. S., Ph. D., University of California
- WHITE, T. LAWRENCE.....Government, History
B. A., M. A., Ph. D., University of Texas; U. S. Dept. of
State
- WRIGHT, CARL C.....English
B. A., Southwest Texas State College; M. A., University of
Texas; graduate study, University of Texas
- WRIGHT, GERTRUDE N.....Assistant to the Bursar
- YOUNG, MARY W.....Education
B. A., M. A., Texas College of Arts and Industries
- YOUNGMAN, L. A.....Physics and Physical Science
B. A., M. Ed., Phillips University; graduate study, Univer-
sity of Texas, University of Virginia

EMERITUS FACULTY MEMBERS

- LEFFLAND, RIGMOR.....Registrar
- SHEPPERD, ENOLA.....French and English
- WRIGHT, CARRIE E.....Spanish

COOPERATING TEACHERS, 1954-1955

The public school teachers listed below are aiding the teacher education program at Pan American College by serving as cooperating teachers. Students who are majoring in teacher education are assigned to work for one full semester with cooperating teachers where they are given first-hand experiences in various classroom and other school situations.

Edinburg Senior High School

Ira Carter, M. A., Mathematics
Lelia Carrothers, M. Ed., Spanish
Peggy Cray, B. A., Physical Education
Clare Dugan, M. A., English
Frank Dugan, M. A., Social Studies
Elton Duke, M. A., Art
Thomas Elrod, M. A., Science
Thomas Esparza, M. S., Physical Education
Dorthie Grant, B. A., English
Esther Groves, B. A., Social Studies
James Irby, M. A., Social Studies
Elsie Norman, M. A., English
Ruth Reed, M. Ed., Physical Education
Ruth Riddick, M. A., English
Lavinia Tucker, B. A., Science
Malcolm Walker, M. Ed., Physical Education

Edinburg Junior High School

Harold Brehm, B. A., Social Studies
Florence Buddemeyer, B. S., Social Studies
Willie Cone, M. S., Language Arts
Mancie Edwards, B. S., Language Arts
Paula Fuller, M. S., Language Arts
Jenny Geise, B. S., Physical Education
Oton Guerrero, B. S., Physical Education
Hortense McClellan, M. A., Speech
Florence Pendleton, M. A., Language Arts
Ofilia Perez, B. A., Language Arts
Gladys Tarbell, B. A., Language Arts

Sam Houston School, Edinburg

Claire Bailey, B. S., B. A., 4th grade
Ruth Dollahon, B. A., 5th grade
Bonnie Jones, M. A., 5th grade
Beth Moore, M. S., 1st grade
Ludie Pickens, B. S., 2nd grade
Bessie Shurtleff, M. S., 4th grade

Jefferson School, Edinburg

Nicholas Akery, B. S., 4th grade
Lois Bensen, B. A., 5th grade
Virginia Black, B. Ed., 1st grade
Laura Crowder, B. A., 4th grade
Margaret Gilmore, B. S., 2nd grade
Alma Schultz, B. S., 3rd grade
Gladys Stout, 3rd grade

Senior High School, McAllen

Bev Henson, B. A., Music

Lincoln School, McAllen

Josephine McKinley, B. A., 4th grade
Mimi Wyatt, B. Ed., 5th grade

Pharr-San Juan-Alamo High School, Pharr

Edith Carman, M. A., Mathematics
Andrew Haines, M. A., Physical Science
Francis Stephen, M. A., Art

Napper School, Pharr

Lois Kelso, M. A., 3rd grade

Junior-Senior High School, Weslaco

Louise Black, M. A., Journalism
Ava Lee Jones, B. Ed., English

INTRODUCTION

This foreword is an attempt to explain, briefly, the way to use the catalog and to summarize some of the essential points.

The **Table of Contents** will refer you to most of the things you want to know about, if you will look under the correct word. To find the cost of attending Pan American College, you look under the heading **Tuition**; to find out what you must do in order to graduate, look under **Graduation Requirements**; to determine the subjects offered, look under **Courses of Study** for the proper subject name; and so for almost all other items. On the other hand, there may be a few things which cannot be found so readily. In the following paragraphs we shall list a few of the important ones.

One may enter college if he is a graduate of an accredited high school, or if he is over 21 years old and shows evidence of being able to do college work, or if he has acceptable credits from another college. In the first and the last cases he must submit a record of his credits, called a transcript, to the Registrar of this College. After a person has entered (the **Calendar** shows the dates for formally enrolling) he usually will want to take a normal college load. This load is ordinarily 15 or 16 semester hours of work each semester. A course such as freshman English, which has the designation English 113, 123, meets three hours each week for each semester and carries a credit of three semester hours. During the entire school year one who passes the course will earn a total of six semester hours. If he takes five courses similar in credit value to English 113, 123, he will earn 30 semester hours in one year—which is the usual load. If one enrolls in physical training or takes a course of four semester hours of credit, he will earn 32 semester hours in the year.

It is expected that an average student will spend two hours of preparation for each hour of class lecture or discussion. For this reason it can be seen that a student should rarely enroll for more than 16 semester hours of college credit work. Freshmen may not enroll for more than the normal load but students who have had one semester of college work may take additional hours if they have a B average.

Attendance in college classes is necessary for proper work, and continued absences may lead to a student's being placed on probation. While legitimate absences occur, the time missed remains the same and the student is responsible for any work missed. Instructors are not obliged to permit a student to do extra work to partially compensate for that he has missed, unless the

absences are officially excused. Excessive unexcused absences are justification for dropping a student from a class or from the College.

Students who plan to attend Pan American College for a part of their college work, subsequently transferring to another college, should be certain to enroll in the proper courses required by the college to which they transfer. While counselors are glad to aid in the proper selections of course work, the responsibility for selection of the correct pattern of classes is solely that of the student. Catalogs for all Texas colleges and for many outside the State may be checked from the office of the Registrar.

As mentioned later in this Catalog, there are few published rules and regulations but all students are expected to behave as good citizens and to conduct themselves according to the dictates of good taste and common courtesy. There are certain procedures to be followed in connection with one's relations with the College which have been arrived at by years of experience. These are in effect because it has been found that a common observance of them will make for more efficient and easier operation.

Finally, we should like each of you to feel free to seek help and advice about any aspect of your college problems from any member of the College staff. We hope you will accept this invitation as it is meant, as a resource to be used by persons with a growing sense of maturity and responsibility.

In the second language of this region "where two cultures blend," we say "Bienvenido."

GENERAL INFORMATION

HISTORY OF THE COLLEGE

For a twenty-five year period, beginning September, 1927, the Junior College of Pan American College existed as a two-year junior or community college. During that time, it contributed markedly to the educational growth of the Lower Rio Grande Valley. Its former students and graduates fill positions of trust and responsibility in all the communities and cities of the area. For a number of years during the latter part of this quarter-century, there was a steadily increasing demand for the establishment of an institution that would increase the field of service of the Edinburg Regional College, as it was named a short time before the expansion, to cover a wider territory and to give greater opportunities to the whole citizenry. In response to this demand, a law was passed by the Legislature and signed by the Governor on May 19, 1951, that enabled the people of Hidalgo County to vote on the question of establishing a college peculiarly suited to the needs of the section. On December 29, 1951, the election was held and the Pan American Regional College District was established.

In accordance with the provisions of the law, the Commissioners Court of Hidalgo County appointed the eight members of the Board of Regents. The Board met shortly after their appointment in January of 1952 and, subsequently, selected a President and a Vice President and Dean of the College. By the end of the school year of 1951-1952, the plan of organization for the college was adopted and a large portion of the faculty for the institution selected.

The law providing for the creation of the college district set forth the three units or divisions that constituted the college. It provided that the former Edinburg Regional College should be taken over by the new institution as the Junior Division and that it should continue to function under the laws governing public junior colleges in Texas. The Senior Division was established to furnish upper division work and to award degrees based on practices and principles applicable to similar work in first-class colleges and universities. Authority was granted the Board of Regents, by a provision of the law, to set up graduate courses when the Board felt a need existed for the establishment of such courses. The Adult Education Division was set up to offer (1) basic education to emphasize citizenship, English, and elemental science and mathematics; (2) terminal, vocational, and tech-

nological education and training in their generally accepted sense; and (3) work and study groups based on needs and interests as displayed by the residents of the area served by the regional college. All of this work in the Adult Education Division is designed for adults regardless of age or former education.

The foresight of the citizens of the District in setting up the four-year College has been demonstrated by enrollments which have steadily increased during each year of its operation. First semester enrollment figures for 1952-1953 were 1211 for all divisions of the College, in 1953-1954 the figure reached 1387, and the gross enrollment climbed to 1582 in 1954-1955. The increase has been notable in the day credit division with the likelihood that it will continue during the next years — if physical facilities can be provided.

BUILDINGS AND EQUIPMENT

The **Administration Building** contains all general administrative offices, including those of the President, Vice President, Registrar, Bursar, and some of the Division Chairmen. In addition, there are classrooms, the Commons, Lounge, and faculty offices.

The **Science Building** is primarily used for instruction in the sciences, in business administration, home economics, engineering, and art. The equipment in the various laboratories is well adapted to the instructional needs of the subjects mentioned. There are two large chemistry laboratories, two laboratories for physics and physical science, facilities for agriculture, an art room, two large laboratories for the biological sciences, two completely equipped home economics laboratories, and rooms for lectures, for accounting, and for typing.

The **Auditorium** is completely and adequately equipped for the presentation of plays, musical productions, and any other programs requiring for their presentation stage and lighting facilities of the best type. The building seats more than 1200 persons and is used for a variety of Valley programs in addition to its use by college groups. For example, it is the home of Cultural Arts, Inc., a non-profit organization that has presented, over the past fifteen years, some of the outstanding artists and speakers of our time. Since the college helps to sponsor the organization, its students have had the opportunity of hearing the great personalities of our era. As an example, such speakers as Dr. Will Durant, the philosopher; Carl Hambro, the great Norwegian leader; Ezequiel Padilla, brilliant Mexican foreign minister; Mrs. Franklin Roosevelt; and numerous others, have appeared on the pro-

grams. In addition, hardly a great name in the field of modern musicians has failed to appear on the lists of visiting artists. Lily Pons, Tibbett, Menuhin, Helen Traubel, Richard Crooks, Jose Iturbi, Mario Lanza, and a galaxy of others have sung or played for Valley audiences from the stage of the College Auditorium.

The **Administration Annex** houses the offices of many of the Directors of Divisions, of the student yearbook, and of other college personnel. In addition, it is provided with a well-equipped room for the use of the communications laboratories and the reading classes. It is completely air-conditioned.

The **Library** is noted for its well-selected collection of modern reference works in almost any academic field as well as for its fiction and periodicals. It has long been considered one of the best junior college collections in the State and is being rapidly expanded to serve the new senior institution. There is a musical library of sheet music and records, files of maps, pamphlets, and pictures, and all the library tools needed to do the library reference work required in a good college. Both stack and reading rooms will be enlarged during the summer of 1955.

A complete machine shop for metal working courses is housed in the north end of the **Machine Shop** building which is located just west of the Library. The other end of this building, separated from the northern part by a tool room, is equipped to serve the classes in Auto Mechanics. Welding equipment, both gas and electric arc types, is provided for both shops.

The College also owns a **Student Union Building** which includes a lounge, bookroom, snack bar, restrooms, and game and musical equipment. This building is maintained for the use of the student body and is available for evening meetings for student organizations in addition to its use throughout the school day.

The most recent addition to the physical plant is a **Field House** with a full-size basketball court, shower and dressing rooms for both men and women, and a large classroom for physical training classes. The college also has access to the gymnasium of the Edinburg Schools for its home basketball games.

Located on the west side of the campus is a thoroughly equipped **Cabinet Shop** that is used for day and evening classes in cabinet making, carpentry, and upholstery. All machines needed to do the finest class of cabinet manufacture are available in this shop, and classes are offered at the terminal and the transfer level.

MILITARY PROGRAMS

Platoon Leaders Class

The college has a number of men enrolled in the U. S. Marine Corps Officer Programs. The most popular of these programs is the PLC (Platoon Leaders Class). The Platoon Leaders Class program is open to qualified male High School graduates who have been accepted by the college and freshmen, sophomores and juniors already enrolled in the college. It provides an opportunity for a student to complete his education before serving his two years of military service. In addition, upon receiving his degree, he will be commissioned a second lieutenant in the U. S. Marine Corps Reserve.

Status in the Marine Corps Reserve

If selected for the Platoon Leaders Class, a man will be enlisted as a Private in the Marine Corps Reserve, and then immediately will receive a temporary promotion to Corporal. This promotion is made because so many boys have to work their way through school with summer jobs. As a Corporal, the Marine Corps is able to give a student more money for his summer training.

The Platoon Leaders is written into the Universal Military Training and Service Act as amended under Section 6, sub-paragraph (d), which concerns deferments and exemptions. In order to be deferred from Selective Service induction, applicants for the Platoon Leaders Class must agree in writing, at the time of enrollment, to accept a commission, if tendered, and to serve not less than three years on active duty if ordered by the Secretary of the Navy; and to remain a member of a regular or reserve component until the eighth anniversary of the receipt of a commission. This agreement is required by law and is uniform with all the services. Candidates who fail to qualify for a commission are eligible for discharge.

Training

Platoon Leaders Class training is limited to two summer periods of six weeks each. No other training, meetings or drill is required during the student's stay in college. These summer training periods are held at the Marine Corps Schools, Quantico, Virginia.

Pay and Privileges

During the first six-week training period, or Junior Course, a trainee will receive a Corporal's pay (about \$149.05); during

the second six-week training period, or Senior Course, he will be promoted and receive a Sergeant's rank and pay (about \$183.45). There are no allowances for dependents.

In addition to pay and first-class transportation to and from the training base, the trainee will be furnished living quarters, uniforms, medical and dental care. During off-hours, he will have full privileges at the library, post exchange, theater, swimming pool and athletic field.

Officer Candidate Course

The Marine Corps has another program, the Officer Candidate Course, which is open to college seniors and graduates. The physical requirements of this program are the same as those of the PLC program.

An applicant must be less than 27 years of age as of July 1 of the year of acceptance of commission. The training, while much the same as the PLC training, is combined into one (1) ten (10) week period after graduation from college. Upon successful completion of this ten (10) week course, an applicant is then commissioned as second lieutenant in the Marine Corps Reserve and starts serving his two (2) years obligated service as an officer.

How to Apply

Interested students may write direct to:

Marine Corps Officer Procurement Office
Marine Corps Recruiting Station
Room No. 316, Federal Office Building
Houston, Texas
Phone FA-5315

STUDENT ORGANIZATIONS

It has been a cardinal principle of the college staff, since the founding of the institution, that a necessary part of the general education of any person is his participation in activities which are outside the classroom but still a part of the environment of the college. Because of this belief, there exist numerous clubs and organizations of students which grew out of expressed needs and desires of the student body. As might be expected, the purposes vary from one organization to another. In one group, the chief interest may be professional development; in another, the aims are to improve competence in a hobby or avocation; a third type of club may place emphasis upon scholastic achievement; in all of them, however, the control, operation, and growth depends upon the student members. The College will provide faculty sponsors, but their main purpose is to serve as guides and to aid the membership in carrying out the expressed aims of the organization. A more detailed description of the various clubs and organizations is to be found in the Student Handbook.

REGULATIONS

College students are expected to demonstrate a sense of responsibility for their actions and behavior; and all college regulations, therefore, are held to a minimum. Each student is expected to become familiar with the working rules which have been adopted for the benefit of the entire student body.

Attendance. A student who is absent twice from a class will be referred to a counselor for attention. Work missed because of absence can be made up by arrangement with the instructor on recommendation of a counselor. Each student is responsible for all work of each of his class groups; failure to meet this obligation will lead to dismissal from the class or from the College. It should be obvious that work must be made up as soon as practicable.

Citizenship and Deportment. Observance of all local city ordinances, state laws, and national laws is expected of each student. Persons who remain on the campus are expected to conduct themselves in such a way as to avoid any disturbance of other individuals or work groups. It is a long accepted tradition, that has the force of a regulation, that there shall be no smoking in any building except the Student Union.

Social Functions. Any social function held under the name of the College or of any College organization or group requires written approval of the Coordinator of Student Life prior to the date of the function. It is wise to secure such approval well

in advance to avoid conflicts with other groups. The forms to be completed may be secured from the Coordinator's office.

Eligibility for Representation. To hold office in any student organization, participate in any college function except a social entertainment, represent the college in any type of contest, or receive awards for previous participation, a student must meet college eligibility requirements:

- a. The student must be a full-time student. This means enrollment for at least twelve semester hours for day students and at least six for evening students. During the last semester he was in college, he must have passed at least nine semester hours of work if a day student and all six hours if an evening student.
- b. In addition, the student must meet eligibility requirements of any conference or association in which he competes as a representative of the college.

Probation. Students whose grades, either at the mid-semester or the end of a semester, indicate unsatisfactory progress in their college courses, may be placed on scholastic probation. Every effort will be made by instructors and by counselors to determine the reasons for this lack of progress and to suggest methods of improvement. In case of apparent inability or unwillingness to do creditable work, the College reserves the right to drop a student from the rolls.

Student Load. The usual student load is fifteen to eighteen hours per week for the day student and six hours for the evening student. More than this amount ordinarily requires approval by the Registrar or the Vice-President.

Official Clearance. No transcript of credits or grades will be released to a student or to any designated person unless the student has settled all accounts due the College and has effected an official clearance through the offices of the Registrar and the Bursar.

ADMISSION

Students may be admitted by either of the following methods:

1. Graduates of accredited high schools who present a transcript of at least fifteen accredited units will be admitted if three units are in English. Students who plan to enroll for engineering courses should present at least three units in mathematics, including two units of

algebra and one of plane geometry, and one unit in physics. If possible, a half-unit in solid geometry should be included. It is possible, however, to enroll for a non-credit course during the freshman year in both solid geometry and in high school physics. A transcript of credits should be sent to the Registrar as early as possible **before September 1**. One may not enroll under this plan until he has filed a transcript of credits and taken the required orientation test. If the student's high school grades or his placement test grades are low, he may enroll for a limited number of hours.

2. A mature person who is at least twenty-one years of age and who has never graduated from high school may enter on individual approval. **He is entered conditionally but may remove these conditions by a superior quality of work in his college courses.** For example, one who has no high school English credit may receive such entrance credit by completing the freshman year of college English with a grade of C or better.
3. Students who have not completed high school and who are under twenty-one years of age may meet requirements by taking examination covering the high school subjects in which entrance credit is desired.
4. A student who transfers from another college may be admitted to advanced standing by having his previous college work evaluated in terms of Pan American College standards.

CLASSIFICATION

A student who is registered for at least twelve semester hours of work is a regular student. One who is registered for less than twelve hours is classed as a special student. Students are classified as freshmen until they complete at least 27 hours of work; they are classified as sophomores until they have completed 56 hours of work; and are classified as juniors until 88 hours have been completed. These hours are exclusive of credit received in physical training courses.

MARKING OF COURSES

In general, the first figure in a course number indicates the year in which the course should be taken and the last figure in the number indicates the semester hours of credit. For example, English 313 shows that the course is normally offered in the third

or junior year and that it carries three semester hours of credit. Upon recommendation of the instructor, and by approval of an administrative official, a student may enroll in a class either one year above or one year below the level in which he is classified. The semester hour is the measure of credit. One recitation per week, or its equivalent, for a period of one semester is required to complete one semester hour. As a rule, two laboratory hours are equivalent to one lecture hour in a course.

A single number after the name of a course shows that it is given in one semester. When a course name has two course numbers after it, this means **both** semesters of the course must be taken to obtain credit on either semester. Courses followed by only **one** course number are independent semester courses and do not require completion of an additional semester, although they may be prerequisites of a semester course that follows them.

GRADING SYSTEM

The following grades are used to designate achievement in class work.

- A—Excellent
- B—Good
- C—Satisfactory
- D—Below average
- E—Conditional
- F—Failure
- U—Incomplete

An E may be given only at the end of the first half of a two-semester continuous course where the second half of the course would add to and strengthen the first half. An E is removed by doing work of at least C value during the second half of the course. It may be raised only to a grade of D and it must be raised within a year or it automatically becomes an F.

A grade of U may be given only for work which is incomplete because of reasons beyond the control of the student. Such reasons might be illness which prevents him from taking the final examination, death in the family, or a similar serious circumstance. A U must be removed by the end of the following regular semester or summer session, whichever comes first. Failure to remove it within this period causes the U to be changed, automatically, to a grade of F.

While a grade of D is considered a pass in a subject, an overall average of C must be maintained by the student if he expects to graduate or to transfer his work to another college. Pan American College has certain specific grade requirements also. For example, the student must maintain a C average in his required work in English; a D in English will have to be balanced by a B in English, not a B in another subject field.

GRADUATION REQUIREMENTS

Pan American College will award an **Associate of Arts** degree to students who satisfy the following requirements:

- I. Meet all entrance requirements.
- II. Be credited with a minimum of 62 semester hours of completed college work, 12 of which must be English, at least 6 in Texas and Federal Constitutions (Govt. 213, 223), 18 of sophomore rank, and 2 in physical training.
- III. Have an average of at least C in all courses and a C average in the required English courses.
- IV. Complete at least 12 hours of the second semester of the sophomore year in Pan American College or have completed at least 50 per cent of his work in the college and have enrolled for some work in the session immediately preceding the issuance of the diploma.
- V. File a degree request with the Registrar by the beginning of the semester in which the degree is to be received.

The **Bachelor of Arts** degree will be awarded to students who meet the following requirements:

- I. Completion of a minimum of 124 semester hours of work with an average grade of at least C for all courses, with a C average in required English courses. Of the 124 hours, 30 hours must be advanced. The total hours must include:
 1. Four semester hours in health and physical education, ordinarily taken in freshmen and sophomore years.

2. Six semester hours in State and Federal Constitutions (Govt. 213, 223).
- II. Successful completion of a Degree Plan selected by the student and approved by the Division Director and the President or Vice President.
- III. Normally, a candidate will be expected to take a minimum of 24 semester hours of work in residence during the senior year with 30 semester hours being the usual amount.
- IV. Completion of 30 semester hours of work in the field of major concentration, of which 15 hours must be advanced courses.
- V. Completion of 18 semester hours in a minor field of concentration, of which 6 hours must be advanced.
- VI. 48 to 52 hours of work in a broadly integrated area may be substituted for requirements IV and V.
- VII. Demonstration of satisfactory proficiency in: oral and written English, computational ability, and general civic responsibility, as determined by an appropriate committee. This will involve an examination of papers and reports from different classes and a senior-level examination.
- VIII. File a degree request with the Registrar by the beginning of the semester in which the degree is to be received.

The total of 62 semester hours for the Associate of Arts and 124 semester hours for the Bachelor of Arts is a **minimum** requirement for either of these degrees. Except for students majoring in the respective fields, no more than a total of four semester hours of credit may be counted in band, chorus, dramatic production, orchestra, or physical training courses. Students in these fields may count as many as eight total hours of credit but will be expected to attain a minimum of 126 hours for the Bachelor of Arts.

Exemption from any listed requirement does not decrease the total number of semester hours required for a degree.

Requirements listed under this section apply to any of the Degree Plans which may be selected by the student.

SELECTION OF COURSES

The student should plan the sequence of his course only after conference with an advisor. In certain pre-professional fields, engineering for example, the subjects to be pursued are definitely outlined and the student has little opportunity of enrolling in elective courses.

Where a student enters this College with the expectation of subsequently transferring to another institution, he should be certain to obtain a copy of the catalog of that institution and use it as a guide of courses for which he will register in Pan American College. It is his responsibility to check the requirements for his course, though a faculty advisor will be glad to help him interpret requirements of other colleges.

DEGREE PLANS

As the name indicates, a Degree Plan is an outline of the courses a student expects to complete in order that he may obtain a degree. All Degree Plans are worked out cooperatively by the student and his faculty advisors, particularly the Director of the Division in which the student has his field of major concentration. Generally the Plan should be selected by the end of the sophomore year or at the start of the junior year. While it is advisable to make a careful selection of a Plan and then to follow it, changes may be made after the initial choice. Such changes, however, must be approved by the Division Director and by another administrative official. After the Plan has been selected, one copy is kept by the student and another filed with his permanent records.

There are three Degree plans from which a student may select, all leading to a Bachelor's degree.

Plan I

This plan follows the traditional pattern of many colleges and universities:

1. Twelve semester hours of English
2. Six semester hours of mathematics
3. Twelve semester hours of social science
 - a. Six semester hours in State and Federal Constitutions (Govt. 213, 223)
 - b. Six hours in another course in social science

4. Twelve to sixteen semester hours in natural science of which six to eight are to be in a biological science and six to eight in a physical science.
5. Twelve to fourteen semester hours in a foreign language
6. Three semester hours in speech
7. Three semester hours of psychology or philosophy
8. Four semester hours in health and physical education. This is a requirement for any Plan.
9. The required courses in the major and minor field.
10. Electives to complete the hours required for graduation.

Plan II

Any group and combination of courses approved by the Division Director of the Division containing the field of major interest and by either the President or the Vice President of the College.

Plan III

The first two years of work are devoted to a broad fundamental education, sometimes called General Education, that attempts to offer the student integrated courses in the humanities, in social techniques, in civic responsibility, and in cultural development. The emphasis, in the freshman and sophomore years, is on helping the individual to adjust himself, and on enabling him to gain the necessary broad base on which to build an educational structure suited to his needs. Specialization may be emphasized in the junior and senior years if this seems advisable.

CURRICULA OFFERED

Degrees are granted by Pan American College in the broad fields of Agriculture, Business Administration, Liberal Arts, and Teacher Education. Pre-professional work, fitting the prescribed curricula of those colleges which offer degrees in the professions, is offered in: engineering, law, medicine, pharmacy (one year only), nursing education, medical technology, vocational home economics, and numerous other specialized fields.

For a degree from Pan American, majors and minors may be selected from the following:

Majors

Agriculture
 Business Administration
 Emphasis on Accounting
 Emphasis on Business
 Organization and
 Management
 Emphasis on Secretarial
 Training
 Liberal Arts
 Art
 Biological Science
 Chemistry
 English
 Home Economics, General
 Industrial Arts, General
 Modern Languages
 Music
 Social Science
 Spanish
 Speech
 Teacher Education
 Elementary Education
 Physical and Health
 Education
 Secondary Education

Minors

Agriculture
 Art
 Aviation
 Business Administration
 Biology
 Chemistry
 Economics
 English
 French
 Government
 History
 Home Economics
 Industrial Arts
 Mathematics
 Modern Languages
 Music
 Physical and Health
 Education
 Physics

 Spanish
 Speech
 Teacher Education
 Zoology

It is the policy of Pan American College to meet the needs of each individual. In doing this the student has a considerable flexibility in his selection of courses. Experience has indicated however, the necessity for certain prescribed courses. The following paragraphs outline these requirements within the fields in which the College offers major work.

Except for students who expect to transfer to another institution for a degree, who must be bound by the degree requirements of the college to which they transfer, all students must take a minimum of 45 semester hours of general or liberal education. Normally the student will take, in addition to the 45 hours of general education, a maximum of 48-54 semester hours in his field of specialization. This may be done in either of two ways:

- (a) 30 to 34 hours in the major field and 18 to 20 hours in the minor field of his broad area of specialization;
- (b) 48 to 54 semester hours in a broadly integrated area of related subject material.

In the Liberal Arts the majors and minors may be selected from the lists given above but both must be approved by the Director of the Division. The same procedure is required if the student elects the broadly integrated plan. A study of the courses listed under each Division is advised before the student begins to draft his Degree Plan. It must be remembered that a Degree Plan must be drafted, at least in preliminary form, before registration for the junior year of work, or, if a transfer, before registration in the College where possible.

Finally, it should be pointed out that special requirements: e. g. certification, may impose limitations on the Degree Plan. This or other factors may require the student to cut across Divisional lines for much of his work. In fact, the student is encouraged to cut across and to evolve a pattern that is satisfactory for him.

In the broad field of **Agriculture** the student will complete a minimum of 45 semester hours in general education and, in addition, will comply with the requirement of 48 to 54 hours in the broadly integrated area of agriculture. It is recommended that he include eight hours of accounting in his course. As is true of other areas, a Degree Plan should be outlined with the aid of the Director of the Division by the end of the sophomore year.

Any of the sub-divisions of **Education** must comply with fairly definite requirements of the Texas Education Agency.

The **Elementary** major must comply with the following pattern:

1. A minimum of 45 hours of general education
2. 21 to 24 hours of professional education to include
 - a. Six hours of pre-professional education in the freshman or sophomore year
 - b. Nine to twelve hours of professional courses
 - c. Six hours of directed student teaching
3. 36 hours in courses which give competency in the elementary subjects
4. The remaining hours in elective courses.

The **Secondary** major must have

1. A minimum of 45 hours of general education
2. The same number and distribution of hours in professional courses required of the elementary education major
3. A distribution of specialized work corresponding to the requirements listed under the Liberal Arts.
4. Electives to complete the required hours.

The student majoring in **Physical Education** has the same requirements to meet as does one in Secondary work, except for the 30 semester hours in physical education courses instead of major field requirements of the Secondary major.

One who expects to earn a degree in **Business Administration** complies with the following:

1. A minimum of 45 hours of general education
2. A maximum of 52 hours in business administration courses to include
 - a. Eight hours of accounting
 - b. Six hours of business law
 - c. Six hours of finance
 - d. Four hours of statistics
 - e. Three hours of salesmanship
 - f. Six hours of introduction to business or six hours of economics
 - g. Three hours of marketing
 - h. Three hours of business correspondence
 - i. Three hours of typing or its equivalent
3. Electives to complete the total hour requirement.

SUGGESTED CURRICULA

While Pan American College stresses flexibility in selecting courses so that each person may have that pattern of courses best suited to his needs, there are a few pre-professional curricula so rigidly prescribed that few electives are available.

As has been stated elsewhere in this Catalog it is the responsibility of each student, who expects to transfer to another college or university to complete his work, to be certain that he is enrolled in the proper sequence of courses in Pan American. Registration advisers will be glad to help such a student plan his work with the aid of catalogs from the institution to which he expects to transfer but he must make the decisions about the classes he will need.

Listed below are some suggested curricula which will give an idea of what is likely to be acceptable in most colleges, but these may not fit each individual institution. Only the first two years are listed in any case, for students are expected to complete individual Degree Plans, with the aid and approval of Division Directors, at the end of the sophomore year.

All courses require two years of health and physical education during the first two years.

Liberal Arts

Freshman Year

English
A laboratory science
Foreign language
Mathematics
A social science or other
elective course

Sophomore Year

English
A laboratory science
Foreign language
Government
A second course in the
major field or an
elective course

General Education

(May not be offered until 1956-57)

Freshman Year

Communications
Laboratory Science
Social Science
Logic and Problems

Sophomore Year

Humanities
Social Science
Laboratory Science
Modern Language

Each class will meet five days weekly for class discussion and one day each week will be devoted to individual conferences. Each class will carry eight semester hours of credit.

Engineering

The major in any engineering field should have completed two years of algebra, one year of plane geometry, solid geometry, and high school physics. If he has not completed the last two subjects, solid geometry and physics, he may take them during his freshman year **without** receiving any college credit for them. In such a case he must expect to take a longer time to complete his engineering work since he will not be able to take all the standard courses prescribed for the freshman year.

Freshman Year

English
Algebra, Trigonometry, Analytic Geometry
Engineering Drawing, Descriptive Geometry
Chemistry
Physics (high school physics a prerequisite)
Engineering calculations and orientation

(English, or Analytic Geometry, may be deferred until the summer session and Chemistry to the second year in order

to avoid an overload. They are, however, required courses and should be finished as soon as possible.)

Sophomore Year

English
Calculus
Statics

Physics
Government
Surveying

Business Administration

(Curriculum leading to B. A. degree)

Freshman Year

English
Introduction to Business
Mathematics
Laboratory Science
Elective

Sophomore Year

English
Accounting
Government
Speech
Economics

Pharmacy

Only one year in Pharmacy may be completed outside a School of Pharmacy since three years of residence in the School is required for a degree.

Freshman Year

English
Chemistry
Biology
Mathematics
American History

Law

The requirements for pre-law students are quite similar to those for General Liberal Arts with emphasis being given to social science courses.

Education, Elementary

Freshman Year

English
Laboratory Science
Mathematics
Speech
Music or
Art or
Education

Sophomore Year

English
Laboratory Science
Government
Education
Physical Education

Education, Secondary**Freshman Year**

English
 Laboratory Science
 Mathematics
 Social Science
 Foreign language or
 other elective

Sophomore Year

English
 Laboratory Science
 Government
 Education
 Additional course in
 major field

Preidental**Freshman Year**

English
 Biology
 Chemistry
 Social Science
 Mathematics or
 Foreign language

Sophomore Year

English
 Chemistry, Organic
 Physics
 Government
 Selected elective

Premedical

English
 Chemistry
 Mathematics
 Foreign language
 Biology or Physics

English
 Chemistry
 Organic or Analytical
 Physics or Biology
 Government
 Social Science or
 Foreign Language

TUITION AND FEES

Tuition for college credit courses for those not requiring individual instruction, **per semester hour**

Residents of the College District, Hidalgo County	\$ 3.50
Non-residents of the District	7.00

Tuition for non-college level courses meeting three hours each week or less, **per course**, each semester

Residents of the College District	\$10.00
Non-residents of the District	20.00

Tuition for courses requiring individual instruction:

Piano, violin, voice, speech, art, or similar work

Regular students, enrolled for 12 or more hours

One lesson each week, **per semester** \$40.00

Two lessons each week, **per semester** 75.00

Special students, enrolled for less than 12 hours

One lesson each week, **per semester** \$50.00

Two lessons each week, **per semester** 90.00

Other Fees

Auditor's fee, not applicable to non-credit courses \$10.50

Graduation fee, payable the semester of graduation 5.00

Late registration 2.00

Each transcript except the first 1.00

Deferred tuition or fee payments 1.00

Advanced standing examinations 10.50

Collection of returned checks 1.00

Late freshman tests 2.00

Loss and breakage deposit 8.00

(This deposit is refundable, less any charges, when the student makes a formal withdrawal from the College, through the Registrar's Office or on Clearance Day at the close of the second semester. Deposits not called for by August 1 will not be refunded.)

There is a **minimum** tuition charge of \$10.50 for the resident student, and \$21.50 for the non-resident student, for any course regardless of semester hours of credit the course carries. This applies to all credit courses except activity courses like chorus, band, and orchestra.

AUDITOR'S FEE

A fee of \$10.50 is charged persons who wish to attend a class without receiving credit. Payment of such a fee entitles one to attend the class but does not entitle him to participate in class work or to receive help from the instructor in connection with any written work. No credit may be established, **at any time**, for work done as an auditor.

PAYMENT OF TUITION AND FEES

The amounts shown under the schedule of tuition and fees are payable in full at the time of registration.

Students who find it impossible to make tuition payments in full at the time of registration may pay one-half the total costs at the time of registration and defer the remaining portion until October 15 for the first semester and until March 5 for second semester payments.

A fee of \$1.00 is charged for deferred payments.

Students who have not paid their bill in full by October 15, and March 5, for the first and second semesters respectively, will be suspended from class until the bill is paid. Failure to make tuition payments on time will mean that the student must pay \$189 additional tuition before he is permitted to register again. The reason for this is that if full tuition is not collected on time, the College loses the per capita state apportionment for the student.

REFUNDS

Refunds for tuition will be made only in the case a student finds it necessary to completely withdraw from college.

Upon a formal withdrawal through the Registrar's Office, refunds will be made on the following basis:

1. Before classes begin, 10% of the tuition will be charged as a registration fee.
2. From one to two weeks from the beginning of the semester, 50% of the tuition will be charged.
3. After two weeks from the beginning of the semester, there is no refund for tuition.

ADVANCED STANDING EXAMINATIONS

A student enrolled in the College who has had the equivalent of any course listed in the catalog may make application for an advanced standing examination to establish credit for such a course. In general, he should have enrolled in an advanced course in the same subject matter field as the course in which he desires to take the examination and his performance in this course should justify his request for the examination.

The application for the Advanced Standing Test must be approved by the instructor who will administer the Test, by the Division Head, and by the President or Vice President prior to the date of the examination. The fee for the Test must be paid before the Test is administered. Forms for applying and for approval are available in the Registrar's Office.

FINANCIAL AID TO STUDENTS

There are several sources of student aid: through employment in the College, placement in part-time jobs off the campus, scholarships, and loan funds.

Employment by the College. There are some jobs available each year on the College campus, including work on buildings and grounds, secretarial work, library and laboratory assistantships, and similar places in college offices or buildings. Payment is usually on an hourly basis for these places and varies with the skill and experience of the student. Students whose scholastic records indicate their ability to do creditable college work and who are unable to attend college without financial help, will be given first consideration for all available jobs. Applicants for such places should submit an application as early as possible to the Office of the Registrar. Applications should indicate the quality of school or college work the student has done, as shown by his grades, and should give the name and address of at least two persons, not relatives, who can answer questions about the financial status of the applicant.

College Placement Service: To the extent of its ability, the Placement Service will attempt to find places in town and communities of the College District where students may work part-time, but students who must work while attending college will often be able to locate a position in their own communities quicker than any outside agency. The Service can assume no responsibility other than helping to locate places of employment. The Placement Service will also help senior students in locating positions.

Scholarships. It is not possible to list all scholarships at present since many are being given directly to students from specific towns by organizations in the town or city. A partial list of some scholarships follows.

First honor graduates from accredited high schools of Texas are eligible for a scholarship which covers the cost of the tuition for the freshman year in the College. These students are certified through the Texas Education Agency.

The College offers a partial scholarship to the salutatorian, or second honor graduate, of accredited Texas high schools. Certification must be made by the high school principal. The scholarship covers half the cost of the tuition and fees for the freshman year and is valid only during the college year immediately following high school graduation.

By action of the Board of Regents, a limited number of tuition scholarships are available to foreign students, from any state of the Organization of American States, which is more commonly known as the Pan American Union. An applicant for one of these scholarships must have demonstrated his ability to read and write English satisfactorily; must be a graduate of a recognized secondary school in his own country; and must be recommended by at least two reputable citizens of his native land.

The Texas Board of Vocational Education through its Vocational Rehabilitation Division, offers payment of tuition and other services to persons who have certain physical handicaps, provided the vocational objective of the student has been approved by a representative of the Rehabilitation Division. At present, applications may be made to a representative who is stationed at Harlingen.

Typical of other available scholarships are those offered by: the Lions Club of Mission, the Edinburg Branch of the American Association of University Women, the Elks Club of McAllen, the Junior Service League of Edinburg, the Rio Grande Valley Federation of Women's Clubs, and several by individuals.

Applications for scholarships may be made to the Registrar or the Vice President, Pan American College, Edinburg, Texas.

Student Loans. Many civic organizations such as the Rotary, Kiwanis, and Lions Clubs make loans to deserving and dependable students who need aid in attending college. Applications for such loans are made directly to the organization concerned.

TRANSPORTATION

The College has an agreement with the Valley Transit Company to transport college students over routes regularly served by the Company for one-half the regular fare.

These student tickets are usually commuter's cards good for one month.

CONTINUING EDUCATION

Under the law that authorized the establishment of Pan American College, Adult Education, probably better named Continuing Education, was recognized as an essential part of the new institution's program. As a matter of fact, one of the three principal sections of the college was designated in the law as the Adult Education Division. The purposes of this Division were to "...emphasize **continuation** of education of adults with emphasis upon democracy and citizenship." The law further said that this work shall be presented "...for adults regardless of age or formal education."

In general, an effort is made to provide an instructor and a meeting place whenever as many as fifteen people indicate a wish for a particular class. Most of these classes are held in school buildings and are scheduled in the evenings. They are, however, quite flexible and may be given at any time of the day.

Many of the courses are included in the college-credit program and those persons enrolled in them are taking the work to improve their competence and to accumulate credits leading to a degree. On the other hand, there are classes in basic or fundamental English, for example, for persons who simply want to become more proficient in their use of language—and who may have had very little formal education. There are also short courses, such as cotton classing, for small groups who have a need for brief but intensive work in a special field.

In addition to the courses listed in the College Catalog, which are open to any qualified adult, there are available special courses in vocational subjects, such as welding or carpentry, which may be organized for any group in the evening classes. These classes are often specially arranged to meet specific needs and may or may not carry college credit.

The College hopes to extend this area of service to any part of the District where it may be needed and to give work in any teaching field for which capable instructors are available.

SUMMER SESSION

As a part of its regular program, the College offers a Summer Session consisting of two terms of six weeks. Classes given in the summer are arranged to meet the requirements of students who need to do summer work and are selected on the basis of requests made by those who are enrolled during the regular term of the College. Usually one may complete twelve semester hours of work in the twelve-week period, though students with a good scholastic record may be allowed to enroll for as many as fourteen hours during the Session. Most classes, except those with laboratory sections, meet during the morning hours and are scheduled for five days of the week. Because some students must work during the day, a limited number of classes are offered in the evening. Generally, one may enroll for a maximum of eight hours for the entire Session in evening classes during the summer.

Tuition rates are \$6 per semester hour for summer classes.

The 1956 Summer Session will begin on Friday, June 1.

DIVISION OF AGRICULTURE AND TECHNOLOGICAL ARTS

(Agriculture, Farm Engineering, Machine and Metal Arts, Woodworking and Aviation)

Mr. Ware, Director

Mr. Corns

Mr. Edwards

Mr. DeVries

Mr. Powell

The purposes of the courses in this Division are to meet the needs of those who desire to prepare themselves for service and life in some phase of the agricultural or technological organization of this country with emphasis on problems relating to the local area.

The aim of the Division of Agriculture and Technological Arts is to offer its students a general education, including instruction in the scientific and technical subjects which are fundamental to an understanding of agriculture and industry.

- Ag. 111. AGRICULTURAL ORIENTATION
- Ag. 113. PLANT PROPAGATION
- Ag. 123. CROP PRODUCTION
- Ag. 153. INTRODUCTION TO ANIMAL HUSBANDRY
- Ag. 214. VEGETABLE CROPS
- Ag. 223. GRADING AND HANDLING OF FRUITS AND VEGETABLES
- Ag. 253. FARM MACHINERY
- Ag. 254. GENERAL ENTOMOLOGY
- Ag. 263. LIVESTOCK JUDGING AND SELECTION
- Ag. 283. BREEDS OF LIVESTOCK
- Ag. 293. WELDING
- Ag. 303. FARM GAS ENGINES & TRACTORS
- Ag. 314. GENETICS
- Ag. 324. INTRODUCTION TO SOILS
- Ag. 334. BEEF CATTLE PRODUCTION
- Ag. 343. ANIMAL NUTRITION, FEEDS AND FEEDING
- Ag. 344. CITRUS FRUIT PRODUCTION

- Ag. 364. ADVANCED VEGETABLE CROPS
Ag. 393. FARM ELECTRIFICATION
Ag. 413. PRINCIPLES OF PATHOLOGY AND CONTROL OF
DISEASES OF DOMESTIC ANIMALS
Ag. 422. SPECIAL PROBLEMS IN AGRICULTURE
Ind. Educ. 113M. GENERAL METALS
Ind. Educ. 123M. GENERAL METALS
Ind. Educ. 133. WOODS
Ind. Educ. 143 WOODS
Ind. Educ. 153M. AUTOMOTIVE MAINTENANCE
Ind. Educ. 163M. AUTOMOTIVE MAINTENANCE
Ind. Educ. 173. MECHANICAL DRAWING
Ind. Educ. 183. MECHANICAL DRAWING
Ind. Educ. 213M. INTERNAL-COMBUSTION ENGINES
Ind. Educ. 223M. WELDING METALLURGY AND
PRACTICE
Ind. Educ. 233, 243. GENERAL SHOP
Ind. Educ. 273. ELEMENTS OF ELECTRICITY
Ind. Educ. 283. APPLIED ELECTRICITY
Ind. Educ. 293. UPHOLSTERY
Ind. Educ. 313M. MACHINE TOOL OPERATIONS
Ind. Educ. 323M. MACHINE TOOL OPERATION
Ind. Educ. 333M. INDUSTRIAL MATERIALS
AND PROCESSES
Ind. Educ. 343M. LABORATORY ORGANIZATION
AND MAINTENANCE
Ind. Educ. 353, 363. ADVANCED MACHINE
CABINET WORK
Ind. Educ. 373. WOOD TURNING
Ind. Educ. 383. METAL SPINNING
Ind. Educ. 100-400. METAL SHOP PRACTICES
Ind. Educ. 473. ADVANCED DRAFTING
Ind. Educ. 483. PROBLEMS IN DRAFTING
Av. 112. INTRODUCTION TO AVIATION
Av. 123. ELEMENTS OF AIRCRAFT CONSTRUCTION
Av. 213. METEOROLOGY
Av. 223. THEORY OF FLIGHT

By approval of the Director, courses in other Divisions may be counted toward major or minor work in this Division.

AGRICULTURE

Ag. 103. FARM SHOP.

Basic skills necessary for the successful operation of a farm shop and the construction or repair of buildings and equipment. Two hours lecture and four hours laboratory per week.

Ag. 111. AGRICULTURAL ORIENTATION.

Lectures, discussions and conferences introducing students to the various phases and opportunities in agriculture. Required of all students majoring in agriculture. To be taken freshman year. Two hours lecture.

Ag. 113. PLANT PROPAGATION.

A study of the fundamental principles of propagating plants, including vegetables, fruits, and ornamentals. Methods of handling and germinating seeds and propagating by means of cuttings, layers, buds, grafts, and bulbs. Practical work in all phases of plant propagation with particular emphasis on plants best adapted to South Texas. Work in both citrus and ornamental nurseries. Two hours lecture and two hours laboratory a week. Credit may not be given for both Ag. 113 and Biol. 114.

Ag. 123. CROP PRODUCTION.

A study of crops, their classification, identification, production, harvesting, and insect and disease control measures. Two hours lecture and two hours laboratory a week.

Ag. 153. INTRODUCTION TO ANIMAL HUSBANDRY.

A survey of the sources of the world's supply of animal products, the distribution of domestic animals in the United States and factors influencing this; the origin, characteristics, and adaptation of the more important breeds and the influence of environment upon their development. Two hours lecture and three hours laboratory a week.

Ag. 214. VEGETABLE CROPS.

A study of the basic principles of vegetable production with particular reference to South Texas conditions. Emphasis is placed on varieties, climatic adaptation, and cultural practices as applied to commercial vegetable production. Practice includes actual field work and several field trips in the Rio Grande Valley. Prerequisite: Ag. 113. Three hours lecture and three hours laboratory a week.

Ag. 223. GRADING AND HANDLING OF FRUITS AND VEGETABLES. A study of the approved methods of handling fruits and vegetables including harvesting, packing, shipping, and storing. Study and practice of grading, using as a basis the U. S. Standards of the U. S. Department of Agriculture. Laboratory exercises in the laboratory, fields, and commercial sheds. Prerequisite: Ag. 214. Two hours lecture and two hours laboratory per week.

Ag. 253. FARM MACHINERY.

The selection, operation, adjustment, and repair of agricultural equipment. Prerequisite: Math 113, Ag. 133, and Ag. 293. Two hours lecture and four hours laboratory a week.

Ag. 254. GENERAL ENTOMOLOGY.

A study will be made of the principal orders of insects, the anatomy and physiology of insects as related to control measures, and the principal insecticides and their uses. Study will be made of the beneficial and injurious insects and their life histories with particular regard to those of economic importance in South Texas. Prerequisite: Biol. 114 and 124 completed or taken in parallel and sophomore standing or the consent of the instructor. Three hours lecture and two hours laboratory. Credit may not be given for both Ag. 254 and Biol. 254.

Ag. 263. LIVESTOCK JUDGING AND SELECTION.

The animal form in relation to its various functions. Training in the selection of farm animals. Prerequisite: Ag. 153. Two hours lecture and three hours laboratory a week.

Ag. 283. BREEDS OF LIVESTOCK.

A study of the history, development, characteristics and distribution of the main breeds of livestock. Prerequisite: Ag. 153. Three hours lecture.

Ag. 293. WELDING.

(See Ind. Educ. 223M for course description).

Ag. 303. FARM GAS ENGINES & TRACTORS.

(See Ind. Educ. 213M for course description).

Ag. 314. GENETICS.

An introduction to genetics with some consideration of its applications in agriculture, biology, and human welfare.

Prerequisite: Biol. 114, 124 (or equivalent). Three lectures and two laboratory hours weekly. Credit may not be given for both Ag. 314 and Biol. 314.

Ag. 324. INTRODUCTION TO SOILS

This course is designed to familiarize the student with physical, chemical, and biological properties of soils and to give him some insight into the management of soils. Prerequisite: Chem. 114, 124 and at least sophomore standing. Three hours lecture and two laboratory hours weekly. Given in alternate years.

Ag. 334. BEEF CATTLE PRODUCTION.

A survey of the beef cattle industry with special study of heredity, nutrition, physiology, growth, and management of purebred and range herds. Three lectures and three hours laboratory a week.

Ag. 343. ANIMAL NUTRITION, FEEDS AND FEEDING.

The composition and use of feedstuffs in their relation to the feeding of farm animals, including the selection of rations. Prerequisite: Ag. 153 and completed or concurrent enrollment in Chem. 225.

Ag. 344. CITRUS FRUIT PRODUCTION.

The basic principles of citrus production including all operations from propagation in the nursery to the care and management of mature groves. A practical course adapted to local South Texas conditions. Practice work in groves and nurseries in several parts of the Rio Grande Valley. Prerequisite: Ag. 113. Three hours lecture and three hours laboratory per week.

Ag. 364. ADVANCED VEGETABLE CROPS.

This is a comprehensive study of the latest scientific work relative to commercial vegetable production with special reference to environmental and physiological factors affecting growth of vegetable crops. Prerequisite: Ag. 113 and Ag. 214. Three hours lecture and three hours laboratory a week.

Ag. 393. FARM ELECTRIFICATION.

A study of electricity, both alternating and direct current, with special emphasis on the principles involved in planning its practical application, distribution, and use on the farm. Prerequisites: Three hours of mathematics, four

hours of physics, or credit for high school physics. Two hours lecture and four laboratory hours per week.

Ag. 413. PRINCIPLES OF PATHOLOGY AND CONTROL OF DISEASES OF DOMESTIC ANIMALS. A study of the causes, pathology, prevention, and control of animal diseases in relation to economic production and public health. Prerequisite: Bact. 213.

Ag. 422. SPECIAL PROBLEMS IN AGRICULTURE. Designed for advanced students majoring in agriculture. Prerequisite: permission of the head of the department.

INDUSTRIAL EDUCATION

Ind. Educ. 113M. GENERAL METALS.

An introductory course to the field of metals: kinds of metals, industrial classification, common usage, and alloys. Laboratory work with hand tools and table materials. Six hours weekly.

Ind. Educ. 123M. GENERAL METALS.

Extensive work in lay-out and design, sheet metal forming, fasteners. Use of soldering and brazing materials. Prerequisite: 113M. Six hours weekly.

Ind. Educ. 133. WOODS.

Affords practice in all hand-tool operations used in bench woodwork. A study of the growth and structure of the tree; kinds of wood and their uses; the use, care and sharpening of hand tools; and the art of wood finishing. Students must furnish their own material. Six hours of classwork a week.

Ind. Educ. 143. WOODS.

A continuation of I. A. 133 with the addition of wood-working machines, their use, care, and operation in the making of more advanced projects than offered in I. A. 133. Students must furnish their own material. Prerequisite: I. A. 133 or its equivalent. Six hours classwork a week.

Ind. Educ. 153M. AUTOMOTIVE MAINTENANCE.

Study of acceptable practices in commercial shops. Introduction to the various units of the automobile. Laboratory work on small units. Six hours weekly.

Ind. Educ. 163M. AUTOMOTIVE MAINTENANCE.

Continuation of 153M, with greater emphasis on laboratory work. Work on live engines. Prerequisite: 153M. Six hours weekly.

Ind. Educ. 173. MECHANICAL DRAWING.

Introduction to methods of drawing: kinds of drawings, different lines, proper use and care of instruments. Application of drafting techniques. Six hours weekly.

Ind. Educ. 183. MECHANICAL DRAWING.

Continuation of Ind. Educ. 173 with emphasis on techniques, different projections, tracing and inking, and application to architecture. Six hours weekly. Prerequisite: Ind. Educ. 173.

Ind. Educ. 213M. INTERNAL-COMBUSTION ENGINES.

A study of the structure, principles of operation, cooling methods, lubrication and fuel systems, diagnosis of common failures, and tune-up of internal combustion engines. Prerequisite: Ind. Educ. 153M or consent of instructor. Six hours weekly. Credit will not be given for both Ind. Educ. 213M and Ag. 303.

Ind. Educ. 223M. WELDING METALLURGY AND PRACTICE.

A study of effects during welding operations on various metals, ferrous and non-ferrous. Kinds of welding and practical application. Six hours weekly. Credit will not be given for both Ind. Educ. 223M and Ag. 293.

Ind. Educ. 233, 243. GENERAL SHOP.

This course is recommended for all teachers who want to teach industrial arts. The course will be divided into sections that will devote from six to eight weeks to the following: woodwork, machine shop, plastics, photography, ceramics, leather working, or auto mechanics. Six hours of discussion and laboratory work each week.

Ind Educ. 273. ELEMENTS OF ELECTRICITY.

Sources, methods of generating, direct and alternating, usage of each, and laboratory work on elementary projects—based upon individual student background and ability. Six hours weekly.

Ind. Educ. 283. APPLIED ELECTRICITY.

Construction of electrical circuits—complete. Proper ap-

plication of materials in accordance with acceptable codes. Six hours weekly. Prerequisite: Ind. Educ. 273.

Ind. Educ. 293. UPHOLSTERY.

Instruction in the essentials of upholstery processes, including the construction of frames and foundations with and without springs. The class meets six hours each week.

Ind. Educ. 313M. MACHINE TOOL OPERATIONS.

Principles of machine design and operation. Application of gears, cams, pulleys and linkage in machine construction. Correct methods of operating and maintaining machines. Six hours weekly.

Ind. Educ. 323M. MACHINE TOOL OPERATION.

Advanced 313M. Practical grouping of machines. Intensive practice in operation of machines. Projects of practical value undertaken by the student. Six hours weekly.

Ind. Educ. 333M. INDUSTRIAL MATERIALS AND PROCESSES.

Investigations in sources of materials, problems in transportation, and methods of processing and finishing employed in such industries as the Metals, Woods, Rubber, Plastics, Paper, and Ceramics. Three hours weekly. Offered alternate years.

Ind. Educ. 343M. LABORATORY ORGANIZATION AND MAINTENANCE.

Studies of and practice in setting up a laboratory to control flow of material and lessen required man-hours for production. Investigation and evaluation of Tools and Machines, with practice in machine maintenance. Six hours weekly. Offered alternate years.

Ind. Educ. 353, 363. ADVANCED MACHINE CABINET WORK.

This course is designed to meet the needs of students who have extensive previous experience in woodworking and who wish to do designing, manufacturing, and finishing of fine cabinet work. Prerequisite: Ind. Educ. 143 or its equivalent. Six hours each week. The student will furnish his own materials.

Ind. Educ. 373. WOOD TURNING.

This course is designed to develop skills as used in cabinet construction and furniture design and manufacturing. The course meets six hours each week.

Ind. Educ. 383. METAL SPINNING.

This course deals with the shaping and spinning of metals such as copper, aluminum, brass, or silver into art forms or utensils. Usually Art 333 is a prerequisite for this course.

Ind. Educ. 100-400. METAL SHOP PRACTICES.

A course intended for the person in a metals trade who wishes to become proficient in one or more specific skills. Plumbing, tinsmithing, welding, lathe or other machine operation or auto mechanics can be fitted into this adult education course. Six hours weekly.

Ind. Educ. 453M. INDUSTRIAL EDUCATION IN EDUCATION.

Origin, application, growth, and impacts resulting from the addition of studies of industry to the educational curricula. Three hours weekly. Offered alternate years.

Ind. Educ. 463M. JOB ANALYSIS OF INDUSTRIAL OCCUPATIONS.

A comparison of the requirements, working conditions, compensation, other benefits and hazards in the varied occupations in industry. Offered alternate years.

Ind. Educ. 473. ADVANCED DRAFTING.

Designed for the student who wishes to become proficient in the skills and acquainted with the scope of drafting application. Six hours weekly.

Ind. Educ. 483. PROBLEMS IN DRAFTING.

Continuation of Ind. Educ. 473, with emphasis on architectural drafting. Six hours weekly.

AVIATION

Av. 113. INTRODUCTION TO AVIATION.

This course is a preliminary course that is required as a prerequisite for all other aviation courses. It deals with vocational opportunities in aviation, with a study of the present air age, and with a survey of aircraft in general.

Av. 123. ELEMENTS OF AIRCRAFT CONSTRUCTION

A study of the construction, types, and functions of aircraft. Prerequisite: Credit or enrollment in Physics 144 or Physics 114, 124.

Av. 213. METEOROLOGY.

A study of the composition and structure of the atmosphere; weather, observations and instruments; temperature, moisture, and wind related to weather phenomena; air masses and fronts; and examples of weather analysis.

Av. 223. THEORY OF FLIGHT.

This course deals with the general theory of flight and includes aerial navigation, Civil Air regulations, communications and controls, and the power plant and its servicing. Prerequisite: Six hours of mathematics, sophomore standing, or the consent of the instructor.

DIVISION OF AMERICAN STUDIES AND INTERNATIONAL AFFAIRS

Mr. White, Director

Mr. Cockrell
Mr. Floyd
Mr. Harvey

Mr. Miller
Mr. Stewart
Mr. Tallant

I. General Aims

To promote the growth and academic development of students into more mature human beings, capable of intelligent thought and action in their personal and social lives; to establish personal and social values by which they can make wise choices in the conduct of their lives; to offer general and basic education; to aid vocational, pre-professional and adult students by providing information and increasing understanding and insight useful in any activity or vocation.

II. Specific Aims

To increase the student's understanding and appreciation of his heritage; to further his understanding of the fundamental rights and obligations of a citizen in a democracy; to promote better and happier social relationships by providing instruction in the areas of Social Science; to foster a better understanding of international affairs and the role of the United States as a great world power, and particularly to promote better inter-American relationships.

Bible 112. NEW TESTAMENT HISTORY
Bible 122. NEW TESTAMENT HISTORY
Bible 212. OLD TESTAMENT HISTORY
Bible 222. OLD TESTAMENT HISTORY
Bible 232. OLD TESTAMENT HISTORY
Rel. 312. COMPARATIVE RELIGION
Rel. 322. COMPARATIVE RELIGION
Eco. 213. PRINCIPLES OF ECONOMICS
Eco. 223. ECONOMIC PROBLEMS
Eco. 313. AGRICULTURAL ECONOMICS
Eco. 323. PUBLIC FINANCE
Eco. 333. INTERNATIONAL TRADE
Geo. 213. PRINCIPLES OF GEOGRAPHY:
PHYSICAL ELEMENTS

- Geo. 223. PRINCIPLES OF GEOGRAPHY:
CULTURAL ELEMENTS
- Gov. 213. AMERICAN GOVERNMENT
- Gov. 223. STATE AND LOCAL GOVERNMENT
- Gov. 313. RURAL AND LOCAL GOVERNMENT
- Gov. 323. INTRODUCTION TO PUBLIC ADMINISTRATION
- Gov. 333. LEGISLATION
- Gov. 343. INTERNATIONAL POLITICS
- Hist. 113, 123. HISTORY OF WESTERN CIVILIZATION
- Hist. 133. A GENERAL SURVEY OF THE HISTORY
OF TEXAS
- Hist. 213, 223. AMERICAN HERITAGE
- Hist. 333. MEXICO, CENTRAL AND SOUTH AMERICA
- Hist. 343. MEXICO SINCE INDEPENDENCE
- Hist. 353. ENGLISH INSTITUTIONAL DEVELOPMENT
- Hist. 363. HISTORY OF ASIA
- Hist. 373. EUROPE, 1870 TO 1919
- Hist. 383. EUROPE, 1919 TO THE PRESENT
- Hist. 413. CURRENT INSTITUTIONS
- Hist. 423. CURRENT INSTITUTIONS
- Phil. 213. INTRODUCTION TO PHILOSOPHY
- Phil. 223. MORAL PHILOSOPHY
- Phil. 313. POLITICAL PHILOSOPHY
- Phil. 323. PHILOSOPHY OF HISTORY
- Psy. 213. INTRODUCTION TO PSYCHOLOGY
- Psy. 313. PSYCHOLOGY OF BUSINESS
- Psy. 323. PERSONNEL MANAGEMENT
- Psy. 333. SOCIAL PSYCHOLOGY
- Soc. 213. PRINCIPLES OF SOCIOLOGY
- Soc. 223. PRINCIPLES OF SOCIOLOGY
- Soc. 233. MARRIAGE AND THE FAMILY (see Div. of
Arts and Home Life)
- Soc. 243. INTRODUCTION TO SOCIAL CASE WORK
- Soc. 313. CRIMINOLOGY
- Soc. 323. RURAL SOCIOLOGY
- Soc. 343. POPULATION PROBLEMS

BIBLE AND RELIGION

Bible 112. NEW TESTAMENT HISTORY (The Gospels).

A survey of the inter-Bible periods. The principal events in the life of Christ and the experiences of the early church. A study of the New Testament in relation to its historical backgrounds and basic teachings.

Bible 122. NEW TESTAMENT HISTORY (The Letters of Paul).

A continuation of Bible 112, dealing with a study of the development of Christian practices until the end of the apostolic age.

Bible 212. OLD TESTAMENT HISTORY.

An examination and comparison of the sources of the Old Testament and a study of the early development of Judaism. The inter-relation of these with early Christian thinking and the critical examination of early Christian philosophy derived from the Old Testament.

Bible 222. OLD TESTAMENT HISTORY.

A continuation of Bible 212, covering the Psalms.

Bible 232. OLD TESTAMENT HISTORY.

A continuation of Bible 222, covering the period from Proverbs through Malachi. Two semester hours.

Rel. 312. COMPARATIVE RELIGION.

A non-sectarian approach to, and a comparison of, the great religions or systems or personal philosophies of the world including Judaism, Buddhism, Mohammedanism, Confucianism, Christianity, and some less-known faiths or philosophies. Two semester hours.

Rel. 322. COMPARATIVE RELIGION.

A continuation of Religion 312.

ECONOMICS

Economics courses may be counted toward either a Social Science Major or a Business Administration Major.

Eco. 213. PRINCIPLES OF ECONOMICS.

A systematic consideration of fundamental economic concepts and principles, together with an analytical study of capitalism, prices, business organization, and distribution.

Eco. 223. ECONOMIC PROBLEMS.

Analysis of contemporary economic issues and problems with emphasis on labor-management relations, money and banking, taxation, and agriculture. Prerequisite: Eco. 213.

Eco. 313. AGRICULTURAL ECONOMICS.

Production patterns and problems presented by modern agriculture; agriculture in a dynamic economy; support programs; possible future policies. Special attention is directed to regional problems and aspects peculiar to the agriculture of the Rio Grande Valley. Prerequisite: Eco. 213.

Eco. 323. PUBLIC FINANCE.

A study of governmental expenditures, revenues, debts, and financial administration; theoretical principles and financial systems of the United States. Prerequisite: Eco. 213-223.

Eco. 333. INTERNATIONAL TRADE.

The mechanism of international trade and a study of its effects on a national economy. A discussion of foreign investments, cartels, international output and price controls. Prerequisite: Eco. 213-223.

GEOGRAPHY

Geo. 213. PRINCIPLES OF GEOGRAPHY: PHYSICAL ELEMENTS.

An overview of the earth's natural features systematically described and interpreted through basic geographic principles. Emphasis will be given to earth-sun relations, maps, the world pattern and distribution of weather and climate; landscape development under the influence of vulcanism and mountain-building forces, rivers, underground water, glaciers, waves and currents, and wind; the nature and classification of the principal soil and vegetation groups of the world.

Geo. 223. PRINCIPLES OF GEOGRAPHY: CULTURAL ELEMENTS.

A study of man's use of natural environment in creating his cultural setting. Emphasis will be placed upon the areas of production and consumption and their effects upon world population.

GOVERNMENT

Gov. 213. AMERICAN GOVERNMENT.

A study of the development, organization, and operation of the national government.

Gov. 223. STATE AND LOCAL GOVERNMENT.

A study of state and local constitutional government with special emphasis placed upon Texas government.

Gov. 313. RURAL AND LOCAL GOVERNMENT.

A study of organization, functions, relationships, and activities of the taxing districts and of the counties of the state. Special reference is made to Texas and to the types of such districts encountered in the Rio Grande Valley. Prerequisite: Gov. 213, 223.

Gov. 323. INTRODUCTION TO PUBLIC ADMINISTRATION.

A survey of public administration in the United States, with emphasis upon its general machinery and on the powers, problems, and control of governmental agencies. Prerequisite: Gov. 213, 223.

Gov. 333. LEGISLATION.

A study of the processes and product of lawmaking by representative assemblies and other legislative authorities; analysis of the powers, structure, organization, political control, and procedure of Congress and state legislatures. Prerequisite: Gov. 213, 223.

Gov. 343. INTERNATIONAL POLITICS.

Political and economic principles, problems, and factors involved in the foreign policies of the Great Powers and regional organizations; problems of nationalism, imperialism and world organization. Prerequisite: Gov. 213, 223.

HISTORY

Hist. 113, 123. HISTORY OF WESTERN CIVILIZATION.

A survey of world civilization from pre-historic times to the Commercial Revolution of the Sixteenth century. The second semester covers the period from the Industrial Revolution to the present.

Hist. 133. A GENERAL SURVEY OF THE HISTORY OF TEXAS. This course gives a rapid survey of the history of Texas from the period of Spanish ownership of the land to the present.

Hist. 213, 223. AMERICAN HERITAGE.

An integration of social, political and economic history of the United States, with constant attention directed to geography and its influences. Approach is by problems which move chronologically from the earliest Colonial period to the current great debate on foreign policy. NOT recommended for freshmen.

Hist. 333. MEXICO, CENTRAL AND SOUTH AMERICA.

A study of the establishment of Spanish dominion; geography and natural resources; institutional and social development; cultural aspects and contributions. Prerequisite: Six hours of History.

Hist. 343. MEXICO SINCE INDEPENDENCE.

A study of political, social, and cultural developments since 1821; problems of Mexico and her role in Pan American relations. Prerequisite: Six hours of History. Also, History 333 is recommended.

Hist. 353. ENGLISH INSTITUTIONAL DEVELOPMENT.

A survey of the development of political, social, cultural and economic institutions of England. Background and foundation of "Western Democracy" and Capitalism. Prerequisite: Six semester hours of History.

Hist. 363. HISTORY OF ASIA.

A brief survey of Asian History with special attention given to India, Japan, and China. Background and development of current problems of the Far East. Prerequisite: Six semester hours of History.

Hist. 373. EUROPE, 1870 TO 1919.

A survey of European developments from the Franco-Prussian War to the close of World War I. Prerequisite: Six semester hours of History.

Hist. 383. EUROPE, 1919 TO THE PRESENT.

An advanced study of the history of Europe from the Paris Peace Conference to the present. Prerequisite: Six semester hours of History.

Hist. 413. CURRENT INSTITUTIONS.

A study of selected political, economic and social problems, both domestic and international, confronting the U. S.; backgrounds, trends, suggested solutions and an analysis of each. Prerequisite: Six hours of History and six hours of another Social Science.

Hist. 423. CURRENT INSTITUTIONS.

A continuation of History 413, but independent of it. Prerequisite: Six hours of History and six hours of another Social Science.

PHILOSOPHY

Phil. 213. INTRODUCTION TO PHILOSOPHY.

A study of the nature and validity of knowledge and of the nature of reality, in particular the answer to the question: What do we mean when we say that we **know** something? Prerequisite: Sophomore standing.

Phil. 223. MORAL PHILOSOPHY.

A study of the nature and validity of our judgments of good and evil and of the problem of free will and determinism, in particular the answer to the question: What do we mean when we say that one action is right and another action is wrong? Prerequisite: Sophomore standing.

Phil. 313. POLITICAL PHILOSOPHY.

A study of the individual in his relations to society (for example, to college, club, church, community, state, and country) and of the nature and significance of the rights and duties which individuals and organizations owe to one another. Prerequisite: Sophomore standing.

Phil. 323. PHILOSOPHY OF HISTORY.

A study of the rise and fall of civilizations and of the reasons why some civilizations have atrophied, some have progressed, and some have collapsed. In particular, the answer to the question whether our own Western Civilization is or is not now in decline. Prerequisites: History 113, 123, 213, 223.

PSYCHOLOGY

Psy. 213. INTRODUCTION TO PSYCHOLOGY.

An introduction to the study of the mental processes, including the scientific methods used in psychology, the influences of heredity and environment, the control of the emotions, intelligent behavior, and the conditions governing learning, social behavior, and the development of personality. Prerequisite: Sophomore standing.

Psy. 313. PSYCHOLOGY OF BUSINESS.

Emphasis is placed on the psychological aspects of business. The adjustment concept, personality development, problems in choosing a vocation, getting a job and gaining advancement are considered, as are the interviewing, testing, rating and promoting of employees. Prerequisites: Psy. 213 or its equivalent. This course may be counted as a business course.

Psy. 323. PERSONNEL MANAGEMENT.

A general survey of the organization and functions of a personnel department, including methods of selection and placement, health and safety, the training and education of employees, and job and labor analysis and research. Prerequisite: Psy. 213, or Psy. 313, or the equivalent. This course may be counted as a business course.

Psy. 333. SOCIAL PSYCHOLOGY.

A study of the effects of the group upon individual and social behavior including analysis of leadership, attitudes, suggestions, institutions, and social conflict. Prerequisite: Six semester hours of Psychology.

SOCIOLOGY

Soc. 213. PRINCIPLES OF SOCIOLOGY.

A study of the evolution of society from primitive times and the social problems arising out of the Industrial Revolution. Present day social strains and stresses are thoroughly investigated. Individual studies and papers dealing with selected social problems.

Soc. 223. PRINCIPLES OF SOCIOLOGY.

A continuation of Soc. 213. Prerequisite: Soc. 213.

Soc. 233. MARRIAGE AND THE FAMILY.

See Division of Arts and Home Life for course description.

Soc. 243. INTRODUCTION TO SOCIAL CASE WORK.

A study of the development of social case work and a survey of modern social case work practice. Primarily for those students intending to enter the profession of social case work or related fields.

Soc. 313. CRIMINOLOGY.

A study of crime, its causes, and its social treatment. Emphasis is placed upon adults and juvenile delinquency in the Rio Grande Valley. Prerequisite: Soc. 213, 223.

Soc. 323. RURAL SOCIOLOGY.

A study of rural society, its people, structure, and processes. Analysis of rural society in the Rio Grande Valley is given special attention. Prerequisite: Soc. 213, 223.

Soc. 343. POPULATION PROBLEMS.

A study of population distribution, composition, growth, migration, and vital processes, particularly as they relate to this region. Prerequisite: Soc. 213, 223.

DIVISION OF ARTS AND HOME LIFE

(Art, Music, and Homemaking)

Miss Foree, Director

Miss Craig	Mrs. Magurean (part-time)
Mrs. Hodges	Mrs. Morris
Mr. Magurean	Mr. Nielsen

Miss Smith

The Division of Arts and Home Life encourages every student to develop an elementary understanding of the arts. It serves as an elective resource for students in any area and offers a field of specialization in art, home economics, family life, and music. It is hoped that every student will acquire some knowledge of his rich cultural heritage and its meaningful relationship to his daily life and enjoy using some of the individual skills for his own personal development.

Art 133. CREATIVE DESIGN

Art 143. CREATIVE DESIGN

Art 173. INTRODUCTION TO VISUAL ART

Art 183. INTRODUCTION TO VISUAL ART

Art 213. COMPOSITION

Art 223. COMPOSITION

Art 253. LETTERING AND POSTER DESIGN

Art 273. CRAFTS

Art 283. CRAFTS

Art 313. (a, b, c, d.) INDIVIDUAL PROBLEMS IN ART

Art 333. ART HISTORY

Art 343. ART HISTORY

Art 353. THE TEACHING OF ART IN THE
ELEMENTARY SCHOOL

Art 363. THE TEACHING OF ART IN THE
ELEMENTARY SCHOOL

H. Ec. 113. FOOD PREPARATION

H. Ec. 123. FOOD ECONOMICS AND TABLE SERVICE

H. Ec. 133. ELEMENTARY CLOTHING

H. Ec. 153. ELEMENTARY NUTRITION

H. Ec. 213. TEXTILES

H. Ec. 243. CHILD DEVELOPMENT

H. Ec. 253. FAMILY HEALTH

H. Ec. 263. INTERMEDIATE NUTRITION

- H. Ec. 333. FOOD PRESERVATION
- H. Ec. 353. ADVANCED CLOTHING
- H. Ec. 363. HOME MANAGEMENT
- H. Ec. 373. CONSUMER PROBLEMS
- H. Ec. 413. DIET THERAPY
- H. Ec. 423. ADVANCED FOODS
- Mus. 111b to 421b, inclusive. BAND
- Mus. 111c to 421c, inclusive. CHORUS
- Mus. 111o to 421o, inclusive. ORCHESTRA
- Mus. 114, 124. ELEMENTARY HARMONY
- Mus. 132, 142. CLASS PIANO
- Mus. 152b to 462b, inclusive. BRASS INSTRUMENTS
- Mus. 152p to 462p, inclusive. PIANO
- Mus. 152r to 462r, inclusive. REED INSTRUMENTS
- Mus. 152s to 462s, inclusive. STRING INSTRUMENTS
- Mus. 152v to 462v, inclusive. VOICE
- Mus. 214, 224. SECOND YEAR HARMONY
- Mus. 232, 242. INTRODUCTION TO MUSIC
- Mus. 233, 243. PUBLIC SCHOOL MUSIC
- Mus. 301. PERCUSSION CLASS
- Mus. 303. SECONDARY SCHOOL MUSIC METHODS
- Mus. 311, 321. INSTRUMENTAL ENSEMBLE
- Mus. 312, 322. COUNTERPOINT
- Mus. 313, 323. HISTORY OF MUSIC
- Mus. 372. BRASS CLASS
- Mus. 392. STRING CLASS
- Mus. 412. FORM AND ANALYSIS
- Mus. 432. CONDUCTING
- Mus. 452, 462. ORCHESTRATION
- Mus. 472. WOODWINDS CLASS
- Mus. 482. CHORAL ARRANGING
- Mus. 492. ADVANCED BAND TECHNIQUES
- Soc. 233. MARRIAGE AND THE FAMILY

ART

Art 133. CREATIVE DESIGN.

A basic course in the principles and application of design and color theory. Two hours lecture and four hours laboratory a week. May be offered alternate years.

Art 143. CREATIVE DESIGN.

A continuation of Art 133.

Art 173. INTRODUCTION TO VISUAL ART.

An analysis of art elements and principles as applied to various forms of visual expression. This is designed as an appreciation and applied art course for elementary education majors, as an elective for the general student and a foundation for art majors. Three hours lecture and discussion. Laboratory assignments.

Art 183. INTRODUCTION TO VISUAL ART.

A continuation of Art 173.

Art 213. COMPOSITION.

A course of theory and practice of art principles related to drawing, painting and sculpture with special emphasis on problems of composition. Two hours lecture, four hours laboratory. Prerequisite: Art 173-183, or equivalent.

Art 223. COMPOSITION.

A continuation of Art 213.

Art 253. LETTERING AND POSTER DESIGN.

The study of basic alphabets, use of pen and brush and application to poster layout. Recommended prerequisite: Three hours of design. Two hours lecture, four hours laboratory.

Art 273. CRAFTS.

A course designed to meet the needs of teachers, recreational leaders, and others interested in handcraft. Two hours lecture and four hours laboratory weekly.

Art 283. CRAFTS.

A continuation of Art 273.

Art 313. (a, b, c, d). INDIVIDUAL PROBLEMS IN ART.

Advanced problems in drawing, painting in various media, general crafts, ceramics, metalwork and jewelry and weaving. May be continued for credit. Normal credit is three hours each semester but final credit will be decided by instructor. Prerequisite: permission of instructor. Two hours lecture, four hours laboratory or laboratory assignments. Students not desiring credit should enroll for Art 310.

Art 333. ART HISTORY.

A study of painting, sculpture and architecture from earliest times to the present. Three hours lecture and discussion. Offered alternate years.

Art 343. ART HISTORY.

A continuation of Art 333.

Art 353. THE TEACHING OF ART IN THE ELEMENTARY SCHOOL. Methods, techniques and materials necessary for teaching creative art in the classroom. Recommended prerequisite: Art 173-183 or equivalent. Three hours lecture.

Art 363. THE TEACHING OF ART IN THE ELEMENTARY SCHOOL. A continuation of Art 353.

HOME ECONOMICS

H. Ec. 113. FOOD PREPARATION.

A study of the principles underlying the selection and preparation of food, nutritive values, and the cost of foods. Six hours per week.

H. Ec. 123. FOOD ECONOMICS AND TABLE SERVICE.

Problems of production and distribution which affect the consumer. Planning, preparing and serving foods for the family group and for special occasions. Study of selection of silverware, glassware and china. Prerequisite: Home Economics 113. Six hours per week.

H. Ec. 133. ELEMENTARY CLOTHING.

A study of the fundamentals of clothing construction with problems selected according to the ability and experience of the students. Six hours per week.

H. Ec. 153. ELEMENTARY NUTRITION.

A study of fundamental health habits and essentials of an adequate diet. A recognition of the nutritive value of common foods and the selection of foods to meet the needs of different ages and activities.

H. Ec. 213. TEXTILES.

Study of the facts concerning fibers, fabric construction and finishes which aid one in selecting, purchasing and caring for fabrics used for clothing and for the home. Three hours lecture per week.

H. Ec. 243. CHILD DEVELOPMENT.

A general course dealing with the care, development and guidance of the infant and pre-school child. Three hours lecture and discussion per week.

H. Ec. 253. FAMILY HEALTH.

Principles and practice of simple home care and emergencies. Prevention of disease and maintenance of health in home and the community. Three hours per week.

H. Ec. 263. INTERMEDIATE NUTRITION.

Principles of human nutrition as applied to individual and family nutrition problems. Construction of adequate diets at different income levels. Study of ways of improving dietary practices.

H. Ec. 333. FOOD PRESERVATION.

A survey of specific methods of food preservation. Emphasis is placed on methods of food preservation used in the home, including home freezing. Prerequisite: Home Economics 113.

H. Ec. 353. ADVANCED CLOTHING.

A study of the family wardrobe in relation to its needs and income. Problems: a tailored suit, a formal dress. Six hours per week.

H. Ec. 363. HOME MANAGEMENT.

A study of: the selection of equipment for the home; management of time and energy; house plans and relationships; and home appliances and equipment. Six hours weekly.

H. Ec. 373. CONSUMER PROBLEMS.

Consumer problems in buying food, clothing and household appliances. Three hours lecture a week.

H. Ec. 413. DIET THERAPY.

A consideration of the dietetic treatment of abnormal health conditions. Prerequisites: Home Economics 113 and Home Economics 153. Six hours per week.

H. Ec. 423. ADVANCED FOODS.

A course designed to familiarize the student with the effect of heat, oxidation, manipulation, and time of cooking on the quality of food. Six hours per week.

Soc. 233. MARRIAGE AND THE FAMILY.

A consideration of the factors involved in the social relationships of men and women. A study of problems and an analysis of the factors contributing to successful marriages with a study of surveys that have been made of this aspect of the social relations of men and women. A combination lecture-discussion group with a great many selected readings. Open to sophomores or to freshmen who have been approved by the instructor.

MUSIC**Mus. 111b to 421b, inclusive. BAND.**

Open to all students who meet the necessary requirements. Required of all music majors with band emphasis. Major emphasis on concert music with marching and parading band upon the need and the demand.

Mus. 111c to 421c, inclusive. CHORUS.

Open to all students who meet the necessary requirements. Required of all music majors, with vocal emphasis.

Mus. 111o to 421o, inclusive. ORCHESTRA.

Open to all students who meet the necessary requirements. Music performed includes various symphonies, concerts, etc. Fee required only if taken for credit. Meets two to three hours one night a week. Credit is limited to a total of four hours for band, chorus, and orchestra.

Mus. 114, 124. ELEMENTARY HARMONY.

A course dealing with intervals, scales, chord structures, chord progressions, simple cadences and uses of inversions, non-harmonic tones, seventh chords, simple modulations, and harmonization of melodies. Ear training is stressed. Prerequisites: One unit in music in high school. Three lectures and two laboratory hours a week.

Mus. 132, 142. CLASS PIANO.

Designed for music majors with no previous instruction in piano and to satisfy piano requirements.

Mus. 152b to 462b, inclusive. BRASS INSTRUMENTS.

Instruction on cornet, trombone, French horn, baritone and bass. Two half-hour lessons and a minimum of six practice hours per week.

Mus. 152p to 462p, inclusive. PIANO.

This course deals with all major and minor scales, both harmonic and melodic in parallel motion, and all major and minor arpeggios in fundamental positions and inversion. It includes studies in Czerny, Clementi, Heller, and Hanon, Bach Two and Three Part Inventions, selections from classic sonatas, French suites, and romantic and modern pieces. Two half-hour lessons and a minimum of six practice hours per week.

Mus. 152r to 462r, inclusive. REED INSTRUMENTS.

Instruction on clarinet, flute, oboe, and bassoon, following the same pattern as that for Brass Instruments.

Mus. 152s to 462s, inclusive. STRING INSTRUMENTS.

Instruction offered on violin, viola, cello or string bass and will be based on the student's previous training. Two half-hour lessons and a minimum of six practice hours per week.

Mus. 152v to 462v, inclusive. VOICE.

In the first year of voice, careful attention is given to the first principles of tone production and correct breathing; and a study is made of selected vocalises for vowel and consonant values to cover scales, arpeggios, chromatic scales, trills, and sustained legato. Two half-hour lessons and a minimum of six practice hours per week.

Mus. 214, 224. SECOND YEAR HARMONY.

Continuation of four-part writing begun in Music 114, 124. Harmonization of melodies, using diatonic and altered triads and seventh chords; non-harmonic tones; modulations. Prerequisite: Mus. 114, 124 with at least a C grade. Three lectures and two laboratory hours a week.

Mus. 232, 242. INTRODUCTION TO MUSIC.

Basic information and a general survey of the art of music to enable the student to enjoy music more thoroughly. Two lectures weekly, and one laboratory hour each week.

Mus. 233, 243. PUBLIC SCHOOL MUSIC.

Designed principally for elementary education majors. A study of the aims, contents, and procedures in the teaching of music in the elementary grades, plus basic information in musical notation, rhythm, sight singing, and ear training.

Mus. 301. PERCUSSION CLASS.

A study of the basic rudiments of drumming and the fundamental techniques of playing the major instruments in the percussion family. Class and individual methods and materials and care of instruments. Two classes weekly.

Mus. 303. SECONDARY SCHOOL MUSIC METHODS.

The aims, contents, and procedures for teaching music in the junior and senior high school grades.

Mus. 311, 321. INSTRUMENTAL ENSEMBLE.

Woodwind quintet, brass quartet and sextet playing the best of literature for these ensembles.

Mus. 312, 322. COUNTERPOINT.

Course in eighteenth century counterpoint. All species in two, three, and four voices with given *canti fermi*. Two, three, and four voiced free counterpoint, double and triple counterpoint, two and three part inventions, canon, and fugue.

Mus. 313, 323. HISTORY OF MUSIC.

Study of music from its origin in Western Europe to the present. The relation of music to the general pattern of cultural and social evolution. Prerequisite: Junior standing.

Mus. 372. BRASS CLASS.

Methods of tone production, tonguing, fingering, tuning and care of the instruments. Class and individual methods and materials of instruction and historical survey. Two classes weekly to be arranged.

Mus. 392. STRING CLASS.

A study in the basic elements for playing the violin, viola, cello and string bass; with references to bowing, tuning and care of instrument.

Mus. 412. FORM AND ANALYSIS.

Review of the elements of music with a study of the way they function in musical form and its different musical styles. Two classes weekly.

Mus. 432. CONDUCTING.

Study of baton technique as related to both instrumental and choral conducting; fundamental phrasing; balance;

mood; and attack and release technique. Two classes weekly.

Mus. 452, 462. ORCHESTRATION.

A study of the orchestra and the band; instrumental ranges, tonal character, technical limitations and orchestra and band functions. Arranging for small ensembles and full symphonic orchestra and band in the second semester.

Mus. 472. WOODWINDS CLASS.

Methods of tone production, tonguing, fingering, tuning and care of instruments. Class and individual methods and materials on instruction and historical survey. Two classes weekly to be arranged.

Mus. 482. CHORAL ARRANGING.

For vocal majors and to be taken in place of second semester Orchestration. Designed to provide experience in techniques of writing, arranging, and editing choral music ranging from two to eight parts, with emphasis upon music suitable for choral groups in the public schools.

Mus. 492. ADVANCED BAND TECHNIQUES.

Band organization, recruiting, rehearsal procedures, instrumentation, library, uniforms, discipline, marching band; program planning and general administration of the band.

It should be noted that advanced classes will be offered no oftener than alternate years. They will not be given then if there is insufficient demand.

DIVISION OF BUSINESS ADMINISTRATION AND COMMERCE

Mr. See, Director

Mr. LaGrone

Mrs. Moore

Miss Lyday

Mr. Myers

In the field of Business Administration students may devote a major part of their concentration in a specialized field to either accounting, finance, business organization and management, secretarial studies and business writing or advertising and marketing. Special programs of study are available for those students who may not wish to pursue the regular four year course of study required for the bachelors degree. Concentrated one and two year courses of study are available in the fields of accounting and secretarial studies.

B.A. 114, 124. GENERAL ACCOUNTING—ELEMENTARY

**B.A. 214, 224. PRINCIPLES OF ACCOUNTING—
INTRODUCTORY**

B.A. 313a, 323a. INTERMEDIATE ACCOUNTING

B.A. 333. COST ACCOUNTING

B.A. 343. TAX ACCOUNTING

**B.A. 353. GOVERNMENTAL AND MUNICIPAL
ACCOUNTING**

B.A. 413. ADVANCED ACCOUNTING

B.A. 423. AUDITING

B.A. 443. ADVANCED AUDITING

B.A. 433. C. P. A. REVIEW

B.A. 313L, 323L. BUSINESS LAW

B.A. 213. ADVERTISING

B.A. 223. APPLIED ADVERTISING

B.A. 333m. PRINCIPLES OF MARKETING

B.A. 343m. MARKETING PROBLEMS

B.A. 323s. PRINCIPLES OF SALESMANSHIP

B.A. 113, 123. INTRODUCTION TO BUSINESS

**Psy. 313. PSYCHOLOGY OF BUSINESS (See Division of
American Studies and International Affairs)**

**Psy. 323. PERSONNEL MANAGEMENT (See Division of
American Studies and International Affairs)**

B.A. 303. PERSONAL FINANCE

- B.A. 313f. SHORT-TERM FINANCE
- B.A. 363f. LONG-TERM FINANCE
- B.A. 313i. INVESTMENT PRINCIPLES
- B. Math. 323. MATHEMATICS OF FINANCE
- B.A. 424. STATISTICS
- B.A. 113s, 123s. ELEMENTARY SHORTHAND
- B.A. 213s, 223s. ADVANCED SHORTHAND
- B.A. 116s. ACCELERATED SHORTHAND
- B.A. 126s. ACCELERATED SHORTHAND
- B.A. 313s. ADVANCED DICTATION
- B.A. 113t or 123t. PERSONAL TYPING
- B.A. 111.5t, 121.5t. ELEMENTARY AND INTERMEDIATE TYPING
- B.A. 211.5t, 221.5t. ADVANCED TYPING
- B.A. 212. OFFICE MACHINES
- B.A. 113op. OFFICE PRACTICE
- B.A. 333s. SECRETARIAL TRAINING
- B.A. 313c. BUSINESS CORRESPONDENCE
- Eng. 273. TECHNICAL REPORT WRITING

ACCOUNTING AND BUSINESS LAW

B.A. 114, 124. GENERAL ACCOUNTING—ELEMENTARY.

Basic accounting principles and techniques for students not majoring in accounting. This course is designed for students majoring in secretarial science, agriculture, or other fields where a practical knowledge of general accounting for service, trading, farming, and personal business operations is needed. Credit will not be given for both B.A. 114, 124 and B.A. 214, 224. Classes meet six hours a week.

B.A. 214, 224. PRINCIPLES OF ACCOUNTING—INTRODUCTORY.

The fundamentals of accounting followed by individuals, partnerships, and corporations in the accumulation, classification, and recording of business transactions. Pertinent problems are included and at least two practice sets are worked. Prerequisite: Sophomore standing. Six hours each week. The last two hours of the course count as advanced.

B.A. 313a, 323a. INTERMEDIATE ACCOUNTING.

Review of the recording and reporting process; study of principles underlying balance sheets, income statements;

inventories, depreciation, intangible assets, insurance, receivables, and investments. Prerequisite: B.A. 214, 224.

B.A. 333. COST ACCOUNTING.

A study of the techniques employed in accounting for and interpreting costs. Primary emphasis is given to the accounting for material, labor and burden under job cost, continuous process and assembly systems. Both commercial and distribution costs are studied. Prerequisite: B.A. 214, 224.

B.A. 343. TAX ACCOUNTING.

A course in the fundamentals of federal income taxes. The preparation of returns for the individual, including gross income, deductions, credits, exemptions, and calculations of the tax. A survey of the returns for partnerships and corporations will also be made. Three hours lecture a week with additional time for problem work. Prerequisite: Acct. 224.

B.A. 353. GOVERNMENTAL AND MUNICIPAL ACCOUNTING. The purpose of this course is to acquaint the student with the special features of budgetary and fund accounting as applied to municipalities and other governmental units. Prerequisite: B.A. 214, 224 and six hours of Finance or Government. Not given annually.

B.A. 413. ADVANCED ACCOUNTING.

A study of special accounting problems with emphasis on business budgets, principles and techniques of consolidated statements, branch accounting, sales contracts, and fiduciary accounting statements. Prerequisite: B.A. 323a.

B.A. 423. AUDITING.

A survey of auditing principles and procedures applied by public accountants and internal auditors in examining financial statements and verifying underlying data. Prerequisite: B.A. 323a.

B.A. 443. ADVANCED AUDITING.

Completion of auditing principles and procedures, including auditor's reports and ethics. Preparation of complete working papers and audit report for a given enterprise. Special and financial investigations will be studied. Prerequisite: B.A. 413 and B.A. 423. Not given annually.

B.A. 433. C.P.A. REVIEW.

A course preparing the student for the theory and practice section of C.P.A. examinations. The problems are selected to develop the ability to solve rapidly the multipoint C.P.A. problems under examination conditions. Stress is given to accounting for assets and liabilities and to interpreting the financial statements of individual corporations. The course is ordinarily open only to students who have already graduated or whose practical experience enables them to profit from such a course. Prerequisite: Senior standing and at least 20 hours of accounting. Usually offered in evening when demand justifies.

B.A. 313L, 323L. BUSINESS LAW.

General principles of the law of contracts, sales, mortgages, and negotiable instruments with special reference to the Texas statutes affecting these subjects. Prerequisites: Junior standing and credit or concurrent enrollment in economics.

ADVERTISING AND MARKETING**B.A. 213. ADVERTISING.**

A study of advertising from the point of view of the needs of a businessman. Consideration is given to the media available, the publicity budget, the relation of the publicity department to other departments of the business, and to the testing and measuring of the benefits of advertising.

B.A. 223. APPLIED ADVERTISING.

A course in practical applications of advertising. Layout, copy, and traffic problems are studied, demonstrated, and accomplished. Prerequisite: B.A. 213.

B.A. 333m. PRINCIPLES OF MARKETING.

An analysis of the marketing structure as it operates in our economic system with special reference to the distribution of raw materials and finished products. Prerequisite: Six hours of economics or business administration.

B.A. 343m. MARKETING PROBLEMS.

Actual marketing cases and problems are studied with particular reference to costs, analysis of operating statements, production policy, channels of distribution, sales policies and promotion, price determination, and operating control. Prerequisite: B.A. 333m.

B.A. 323s. PRINCIPLES OF SALESMANSHIP.

Modern salesmanship; the product, the buyer, planning the presentation, meeting the prospect, the interview, overcoming resistance, closing the sale, building good will. Practical applications of selling in the form of class participation and individual demonstrations of modern sales methods. Prerequisite: B. A. 113 and 123 or Economics 213.

BUSINESS ORGANIZATION AND MANAGEMENT**B.A. 113, 123. INTRODUCTION TO BUSINESS.**

A study of the place of business and industry in our economic system. Basic principles of business organization and the formation and operation of the several divisions of a business concern; finance, production, marketing and personnel. Designed to acquaint the student with the problems, procedures and practices of modern business. Open to freshmen and sophomores only.

Psy. 313. PSYCHOLOGY OF BUSINESS.

See Division of American Studies and International Affairs for course description.

Psy. 323. PERSONNEL MANAGEMENT.

See Division of American Studies and International Affairs for course description.

FINANCE AND STATISTICS**B.A. 303. PERSONAL FINANCE.**

Individualized problems of personal finances. The course includes a study of the following: budgeting, banking relationships, charge accounts, installment buying, insurance, real estate, wills, investing and personal taxes. Prerequisite: Junior standing. B. A. 113 or Eco. 213 is recommended.

B.A. 313f. SHORT-TERM FINANCE.

A study of the principles of money and banking. Types of credit granting institutions, services of commercial banks and other short-term credit institutions. The place of the Federal Reserve System in our economic system. Prerequisite: Eight hours of Accounting and Economics 213 and 223 or B. A. 113 and 123. May also be counted as Economics.

B.A. 363f. LONG-TERM FINANCE.

A study of the principles of business finance. The financing

of the long-term capital needs of small and medium size firms will be studied. The corporate form of business organization and its long-term financial requirements. Prerequisite: eight hours of accounting and Economics 213 and 223 or B.A. 113 and 123. May also be counted as Economics.

B.A. 313i. INVESTMENT PRINCIPLES.

A study of analysis and valuation of investment securities of corporations and governmental agencies. The purchase and sale of securities thru brokerage houses and investment banking firms will be studied. Prerequisite: Eight hours of Accounting and Finance 363. May also be counted as Economics.

B. Math. 323. MATHEMATICS OF FINANCE.

See *Mathematics* for course description.

B.A. 424. STATISTICS.

Collection, classification, and description of data; use of graphic methods; introduction of the theory of sampling; frequency distribution; analysis of time series; and correlation are all studied from the standpoint of business management. Prerequisite: Six hours of mathematics, six hours of economics or business administration, and junior standing. May be counted as Economics or Business Administration. Class meets six hours a week.

SECRETARIAL STUDIES AND BUSINESS WRITING

B.A. 113s, 123s. ELEMENTARY SHORTHAND.

A course for students who desire a mastery of the principles of Gregg shorthand. A study of the writing of shorthand, intensive vocabulary building, elementary dictation, and transcription. A student should be able to acquire a dictation speed of approximately 80 words per minute at the close of the second semester's work. All registrants for this course are required to enroll for typewriting unless excused by the instructor.

B.A. 213s, 223s. ADVANCED SHORTHAND.

A course designed to enable the student to acquire speed in dictation and transcription and to acquaint him with acceptable forms of business letters as well as other forms frequently used in the business world. A student should be able to acquire a dictation speed of approximately 120 words per minute at the close of the second semester's

work. Students are prepared to take the United States Civil Service Examination. Prerequisite: B.A. 113s, 123s or equivalent.

B.A. 116s. ACCELERATED SHORTHAND.

A course for students who desire a mastery of Gregg shorthand in one year and who want to enter the business world at the end of one year of work. The class meets six days each week, and the course includes the same work as B.A. 113s, 123s.

B.A. 126s. ACCELERATED SHORTHAND.

A continuation of B.A. 116s. This is the same course as B.A. 213s, 223s.

B.A. 313s. ADVANCED DICTATION.

Offered for those who wish to attain proficiency in sustained dictation of lectures and court testimony. Prerequisite: B.A. 116s, 126s or B.A. 113s, 123s, 213s, 223s or the equivalent.

B.A. 113t or 123t. PERSONAL TYPING.

A laboratory course designed for those who wish to obtain sufficient work in one semester to enable them to do their own work in typewriting. Emphasis is placed upon accuracy, the care of the machine, and personal problems in typewriting. The class meets six days each week.

B.A. 111.5t, 121.5t. ELEMENTARY AND INTERMEDIATE TYPING.

A laboratory course designed for those who may or may not have had previous training in typing. The correct use of the typewriter, development of skill, the study of letters, manuscripts, and tabulation. For students who have had previous training, emphasis is placed upon speed development, business letters, tabulation, and office forms. A student should attain a speed of 60 words per minute upon completion of two semesters of work.

B.A. 211.5t, 221.5t. ADVANCED TYPING.

A laboratory course designed for those who want to gain speed and a knowledge of business forms. A great deal of remedial work is done for those who have developed incorrect habits at the machine. Letter forms, manuscript work, footnotes, legal documents, payrolls, telegrams, carbon copies, and related office problems. Prerequisite: B.A. 111.5t, 121.5t or its equivalent.

B.A. 212. OFFICE MACHINES.

A laboratory course. Problems in duplication, using both the Mimeograph and gelatin processes form an important section of the work. The use of the Mimeoscope and the care and use of the Mimeograph are included. The ten-key, fullbank, and electric adding machines; the calculator, both hand-operated and electric; the Ediphone, or Voice Writing, both dictation and transcription; the electric typewriter; the Addressograph; the envelope sealer; the check protector and some small office equipment comprise the other units of work. Four hours each week for one semester. Prerequisite: B.A. 111.5t or equivalent. The course is open to freshmen.

B.A. 113op. OFFICE PRACTICE.

A study of the problems and practices common to the business office. An analysis is made of the handling of equipment, office etiquette, the writing of minutes and reports, filing, proper telephone technique, and other ordinary office procedures. Prerequisite: B.A. 113t, 123t. This is an elementary course designed for terminal students and credit may not be received for both B.A. 113op and B.A. 333s.

B.A. 333s. SECRETARIAL TRAINING.

A study of secretarial procedures performed in business offices. This includes personal relations, business etiquette, handling of mail and telegrams, using the telephone, filing, banking procedures, using directories, interviewing callers, office equipment, keeping office records, and minutes of meetings. Prerequisite: Junior standing; B.A. 116s or 113s, 123s and B.A. 111.5t, 121.5t.

B.A. 313c. BUSINESS CORRESPONDENCE.

Practice in the use of correct, forceful English, practical psychology, and good business judgment in handling many types of business situations by letter. Prerequisite: Twelve hours of English and ability to use the typewriter.

Eng. 273. TECHNICAL REPORT WRITING.

See **English** for course description.

DIVISION OF COMMUNICATIONS

(Languages, Speech and Drama, Journalism and Radio)

Mr. Lillard, Director

Mr. Beaudry
 Mr. Beberfall
 Mr. Garcia
 Mr. Gerber
 Mr. Harwell
 Mr. Hayes
 Mr. Lamb

Mr. Lund
 Mrs. Owings
 Miss Phillips
 Mrs. Ramirez
 Miss Stobaugh
 Mr. Swann
 Mr. Wright

The Division of Communications aims through languages, literature, speech, drama, and journalism to introduce the student to a broader understanding of his mental and cultural inheritance as the basis for a wholesome development of his personal skills in the perception and transmission of ideas.

Specifically, it aims (1) to clarify for the student the nature of language and its function as a tool in learning to fashion effective as well as artistic modes of diction; (2) to foster and cultivate the spirit of creative expression; (3) to help the student in achieving the optimum in the evolvment of his powers of analysis and in the appreciation of the aesthetic values in literary art and dramatic portrayal; (4) to assist the student in recognizing a physiological basis for precise enunciation as a means to a clear and persuasive presentation of the spoken work; (5) to help the student, in becoming cognizant that language, as a unique attribute of mankind, is the key to a given people's total personality, and reveals the universal nature of ideas, however differently they may be expressed in various languages.

- English 113, 123. RHETORIC AND COMPOSITION
 English 213. SURVEY OF ENGLISH LITERATURE
 English 223. SURVEY OF ENGLISH LITERATURE
 English 233, 243. MODERN ENGLISH AND AMERICAN LITERATURE
 English 273. TECHNICAL REPORT WRITING
 English 293. READINGS IN LITERATURE
 English 313. THE ENGLISH AND AMERICAN NOVEL
 English 323. THE ENGLISH AND AMERICAN NOVEL
 English 333, 332, 331. ADVANCED WRITING
 English 343. AN INTRODUCTION TO POETRY

- English 363. THE SHORT STORY
English 373. SIGNIFICANT AMERICAN WRITERS
English 383. SIGNIFICANT AMERICAN WRITERS
English 413. SHAKESPEARE
English 423. SHAKESPEARE
English 433. ADVANCED GRAMMAR
English 453, 463. SURVEY OF ENGLISH AND AMERICAN
 DRAMA
English 473. RENAISSANCE IN EUROPE: ITALY
English 483. RENAISSANCE IN EUROPE: FRANCE AND
 ENGLAND
Fr. 114, 124. BEGINNER'S FRENCH
Fr. 213, 223. COMPOSITION AND READING
Fr. 313, 323. ADVANCED FRENCH COMPOSITION
Fr. 413. RENAISSANCE AND CLASSICAL LITERATURE
Fr. 423. EIGHTEENTH AND NINETEENTH CENTURY
 LITERATURE
German 114, 124. BEGINNING GERMAN
German 213, 223. GERMAN GRAMMAR AND READING
Italian 114, 124. BEGINNER'S ITALIAN
Journalism 211. NEWSPAPER PRODUCTION
Journalism 313. NEWS GATHERING AND REPORTING I
Journalism 323. NEWS GATHERING AND REPORTING II
Journalism 413. NEWS EDITING
Latin 114, 124. BEGINNER'S COLLEGE LATIN
Spanish A13, A23. ELEMENTARY SPANISH
Spanish 114, 124. BEGINNER'S SPANISH
Spanish 213-223. COMPOSITION AND READING
Spanish 243-253. SPANISH CONVERSATION
Spanish 263-273. INTRODUCTION TO SPANISH
 LANGUAGE AND LITERATURE
Spanish 323. ADVANCED SPANISH COMPOSITION
Spanish 333, 343. INTRODUCTION TO SPANISH
 LITERATURE
Spanish 353. ADVANCED GRAMMAR AND SYNTAX
Spanish 363. HISPANIC CIVILIZATION
Spanish 373. PHONETICS
Spanish 453-463. READINGS IN SPANISH-AMERICAN
 LITERATURE
Spanish 473. THE SPANISH-AMERICAN NOVEL
Speech 111, 121, 211, 221. DRAMATIC PRODUCTION

- Speech 131, 141, 231, 241. FORENSIC WORKSHOP
 Speech 113. FUNDAMENTALS OF SPEECH
 Speech 143. ORAL INTERPRETATION
 Speech 213. INTRODUCTORY STUDY OF THE THEATRE
 Speech 223. THE CONTEMPORARY THEATRE
 Speech 233. PRINCIPLES OF DISCUSSION
 Speech 243. VOICE AND DICTION
 Speech 253. SPEECH FOR THE CLASSROOM TEACHER
 Speech 263. BUSINESS AND PROFESSIONAL SPEAKING
 Speech 313. STAGECRAFT
 Speech 323. STAGE SCENERY AND LIGHTING
 Speech 333. PLATFORM SPEAKING
 Speech 343. ARGUMENTATION AND DEBATE
 Speech 413, 423. PLAY DIRECTION AND PRODUCTION
 Speech 433. SPEECH IN THE SECONDARY SCHOOL
 Speech 443. EXTEMPORANEOUS SPEAKING
 Speech 453. INTRODUCTION TO RADIO-TELEVISION
 Speech 463. TELEVISION-BROADCASTING

ENGLISH

COMMUNICATIONS LABORATORY (English) Required of all students showing deficiencies in written English. Supervised supplementary writing two periods a week.

English 113, 123. RHETORIC AND COMPOSITION.

A review of the fundamentals of English grammar and sentence structure is required in the first half of the course. Short expository themes are required periodically. The second half is concerned with more advanced composition work with emphasis on writing the research paper and on analyzing expository prose. Collateral readings are also required.

English 213. SURVEY OF ENGLISH LITERATURE.

The period covered is from the Anglo-Saxon invasion to the period of Romanticism in English literature. This course is a chronological study of the principal authors, their works, and the trends in English literature, with readings from an anthology. Prerequisite: English 113, 123. Required of English majors.

English 223. SURVEY OF ENGLISH LITERATURE.

The period covered is from the period of Romanticism to

the twentieth century in English literature. This is a chronological study of the authors, their works, and the trends in English literature, with readings from an anthology. Prerequisite: English 113, 123. Required of English majors.

English 233, 243. MODERN ENGLISH AND AMERICAN LITERATURE. An alternate course to the survey of English literature for students desiring acquaintance with writers of the late nineteenth and twentieth centuries for purposes of recreational reading. The course is designed to develop discriminating leisure-time reading. The first semester deals primarily with essays, short stories, and biography; the second semester with poetry, the novel, and drama.

English 273. TECHNICAL REPORT WRITING.

A course designed especially for students who desire further training in composition of a practical and advanced character. Exercises in fundamental forms are followed by the special types of reports used in engineering, science, and business. Other work includes one research paper, letters, and oral reports.

English 293. READINGS IN LITERATURE.

Prose and poetry of English and American writers. Adapted to the needs of students in engineering.

English 313. THE ENGLISH AND AMERICAN NOVEL.

A study of the novel in English from Defoe to Melville. Representative novels will be read to parallel the lectures. Prerequisite: English 113, 123, and credit for or enrollment in sophomore English. Offered in alternate years.

English 323. THE ENGLISH AND AMERICAN NOVEL.

A continuation of English 313. The novel from George Eliot to John Steinbeck. English 313 is not necessarily a prerequisite. Prerequisite: Same as for English 313. Offered in alternate years.

English 333, 332, 331. ADVANCED WRITING.

Training and experience in writing the essay, poem, short story, magazine article, etc., with assignments fitted to the special interest of the student. Open to qualified sophomores by permission of the instructor. Prerequisite: English 113, 123.

English 343. AN INTRODUCTION TO POETRY.

Training in the reading of poetry through the study and discussion of many short poems. Prerequisite: English 113, 123.

English 363. THE SHORT STORY.

A study of the short story from Poe to the present time. Extensive readings from representative English and American writers. Prerequisite: English 113, 123.

English 373. SIGNIFICANT AMERICAN WRITERS.

The period from the American Revolution to the Civil War. A study of the important ideas and developments in various literary genres during the National Period. Prerequisite: English 113, 123 and junior standing.

English 383. SIGNIFICANT AMERICAN WRITERS.

A continuation of English 373 covering the period from 1865 to the present. A study of the rise of American writers to world prominence in the period following the Civil War. Prerequisite: English 113, 123 and junior standing.

English 413. SHAKESPEARE.

A study of selected comedies. Prerequisite: Six hours of sophomore English. Offered in alternate years.

English 423. SHAKESPEARE.

A study of selected tragedies and histories. Prerequisites: Six hours of sophomore English. Offered in alternate years.

English 433. ADVANCED GRAMMAR.

A study of modern English usage in syntax, form, and sentence structure. Recommended for English majors and prospective teachers of English. Prerequisite: Twelve semester hours of English.

English 453, 463. SURVEY OF ENGLISH AND AMERICAN DRAMA. A survey of the drama from its earliest forms in English to Shaw and O'Neill, exclusive of Shakespeare. The course will be comprehensive rather than intensive with reading of many plays by numerous authors in order to give a broad picture of dramatic literature. Prerequisite: Twelve semester hours of English. Offered in alternate years.

English 473. RENAISSANCE IN EUROPE: ITALY.

A historical presentation of political, literary, and philo-

sophical works and ideas characterizing the Renaissance in Italy. Major figures and groups studied include Dante, Petrarch, and Boccaccio; the Italian humanists and Neo-Platonists; Machiavelli, Castiglione, Ariosto, and Tasso. Credit accepted as either English or History. Prerequisites: Twelve hours of English and junior standing.

English 483. RENAISSANCE IN EUROPE: FRANCE AND ENGLAND. An introduction of works and ideas characterizing the Renaissance in France and England, and a continuation historically of ideas, movements, and literary forms inaugurated in Renaissance Italy. Major figures and groups studied include Rabelais and Marguerite de Navarre; Du Bellay, Ronsard, and Montaigne; the Cambridge Platonists and early English historians; Sidney, Shakespeare, and Spenser. Credit accepted as either English or History. Prerequisites: Twelve hours of English and junior standing.

FRENCH

Fr. 114, 124. BEGINNING FRENCH.

A study of French pronunciation, vocabulary, idioms, and grammar with practice on these principles through simple composition, dictation, and easy prose reading. The reading includes the geography and a brief history of France, notes on French expansion of territory, fine arts, inventions, short stories and a play. Three lectures and two practice hours weekly.

Fr. 213, 223. COMPOSITION AND READING.

A general study of French literature from the early literary documents until the present. Prerequisite: French 114, 124 or its equivalent.

Fr. 313, 323. ADVANCED FRENCH COMPOSITION.

Intensive training in French composition. Prerequisite: French 213, 223 or its equivalent.

Fr. 413. RENAISSANCE AND CLASSICAL LITERATURE.

An exploration of the sixteenth century and the golden age of French literature. The course includes the works of Marguerite of Navarre, Rabelais, Ronsard, Montaigne, the exponents of classicism, and others. Prerequisite: French 213, 223 or its equivalent.

Fr. 423. EIGHTEENTH AND NINETEENTH CENTURY LITERATURE. The first part of the course deals with the eight-

eenth century with readings chosen from LeSage, Montesquieu, Voltaire, Diderot, Beaumarchais and others. The latter part considers the period of French romanticism and is based on selections from Madame de Stael, Lamartine, Hugo, Musset, Balzac, Daudet, and others. Prerequisite: French 213, 223 or its equivalent.

GERMAN

German 114, 124. BEGINNING GERMAN.

A study of the essentials of German grammar, pronunciation and easy prose reading. Three lectures and two practice hours weekly.

German 213, 223. GERMAN GRAMMAR AND READING.

A comprehensive review of German grammar and pronunciation with additional prose reading. Prerequisite: German 114, 124 or two years of high school German.

ITALIAN

Italian 114, 124. BEGINNING ITALIAN.

An introduction to the Italian language with the main emphasis on comprehension and precise pronunciation. Included is a consideration of Italian terms used in music. A knowledge of another foreign language, though helpful, is not required for the course. Five hours weekly.

JOURNALISM

Journalism 211. NEWSPAPER PRODUCTION.

Work on the college newspaper for those wishing elementary knowledge of the methods used in preparing copy for public information.

Journalism 313. NEWS GATHERING AND REPORTING.

Instruction in interviewing and newswriting, news sources, news values, and news stories. Prerequisites: Thirty hours of college credit, including a grade of at least C in freshman English; ability to use typewriter or registration in college typing class. Three lectures and one two-hour practice period a week.

Journalism 323. NEWS GATHERING AND REPORTING II.

Stresses reporting the news of public affairs. Prerequisite: Journalism 313. Three lectures and two two-hour laboratories a week.

Journalism 413. NEWS EDITING.

Copyreading, headline writing, and newspaper makeup. Prerequisite: Journalism 313 and knowledge of typing. Three lectures and two two-hour laboratories a week.

LATIN**Latin 114, 124. BEGINNING COLLEGE LATIN.**

A study of the fundamentals of Latin including word-formation, easy syntax, simple Latin reading. Emphasis is placed on Latin contributions to English and on selected elements of Roman history. Five hours weekly.

SPANISH

All students enrolling for the first time must take the Placement Test at the beginning of the school year. Any student may enroll in any course for which his score makes him eligible. Record of the test score will be entered on the official transcript but in no way establishes credit toward a degree.

Spanish A13, A23. ELEMENTARY CONVERSATIONAL SPANISH. A minimum of grammar will be studied. Essential vocabulary and construction, of a functional or useful nature, will be presented so that the student, by the end of the semester, will have a fair understanding of both written and spoken Spanish. The emphasis will be on "everyday" conversation—the kind that is spoken in the Rio Grande Valley and Mexico. Spanish A13 is planned for persons with no knowledge of Spanish. A23 is a more advanced course of a similar nature and is for persons with some knowledge of Spanish or who have had A13. Offered both semesters.

Spanish 114, 124. BEGINNING SPANISH.

A study of sentence structure through grammar, reading, conversation, idioms, dictation, and composition. Outside reading is required. Three lectures and two practice hours a week for two semesters.

Spanish 213, 223. COMPOSITION AND READING.

An intensive review of grammar, syntax, and idiom study on the basis of original theme writing and literary texts.

Spanish 243, 253. SPANISH CONVERSATION.

Conducted in Spanish. Not open to any person whose native language is Spanish. Conversation, themes, and discussion

of current topics to acquire facility in Spanish usage, Prerequisite: Spanish 114-124.

Spanish 323. ADVANCED SPANISH COMPOSITION.

Intensive training in Spanish composition. Prerequisite: Spanish 213, 223.

Spanish 333, 343. INTRODUCTION TO SPANISH LITERATURE. Spanish literature from its beginnings to the present.

Spanish 353. ADVANCED GRAMMAR AND SYNTAX.

A careful examination of the structure of Spanish as shown in contemporary magazines and texts. Frequent translation of idiomatic English and frequent free composition. Prerequisite: Spanish 213, 223.

Spanish 363. HISPANIC CIVILIZATION.

A survey of the origins of Spanish-speaking peoples; the development of their social, economic, and political institutions emphasizing their contribution to world civilization. Prerequisite: Spanish 213, 223 or their equivalent.

Spanish 373. PHONETICS.

Emphasis on a practical mastery and on principles of teaching pronunciation. Three lectures a week for one semester. Prerequisite: Spanish 213, 223.

Spanish 453, 463. READINGS IN SPANISH-AMERICAN LITERATURE. Selected readings from outstanding authors of the various Spanish-American countries. Prerequisite: Spanish 213, 223 or their equivalent. Offered in alternate years.

Spanish 473. THE SPANISH-AMERICAN NOVEL.

An appraisal of the literary values in the novels of outstanding Spanish-American authors, 1850-1950. Prerequisite: Spanish 213-223 or special permission of instructor.

SPEECH

COMMUNICATION LABORATORY (Speech) Required of all students needing additional articulatory drill or more assistance in phonetics than can be provided in regular speech classes. Regular laboratory attendance is required if credit is expected by students who are assigned to the laboratory from regular speech courses.

Speech 111, 121, 211, 221. DRAMATIC PRODUCTION.

A student who is an active participant in the campus dramatic organization may receive credit not to exceed four semester hours at the rate of one hour each semester.

Speech 131, 141, 231, 241. FORENSIC WORKSHOP.

Open to any student interested in and preparing for participation in intercollegiate forensics (debate, group discussion, oratory, interpretation, and extemporaneous speaking). Representation for intercollegiate competition in forensics will be drawn from this group.

Speech 113. FUNDAMENTALS OF SPEECH.

Basic training in thought, language, and voice as fundamentals to communication.

Speech 143. ORAL INTERPRETATION.

Study and practice in voice and articulation improvement and in clear and communicative reading. Of particular importance to teachers, preachers, and drama and radio students. Prerequisite: Speech 113 or approval of the instructor.

Speech 213. INTRODUCTORY STUDY OF THE THEATRE.

An introduction to the various types and styles of plays and acting as well as to the major fields of theatre arts.

Speech 223. THE CONTEMPORARY THEATRE.

A study and application of contemporary theatrical movements, methods, and ideas of play construction and presentation.

Speech 233. PRINCIPLES OF DISCUSSION.

Principles, methods, and techniques applicable to various types of group discussion dealing with contemporary problems. Prerequisite: Speech 113.

Speech 243. VOICE AND DICTION.

The development of clear articulation, enunciation, correct pronunciation. Necessary for drama and radio students. Prerequisite: Speech 113.

Speech 253. SPEECH FOR THE CLASSROOM TEACHER.

A study of the relationship of the teacher's speech personality to desirable classroom techniques, and of speech activi-

ties for general classroom use. Special attention is given to the speech problems of the Spanish-speaking child, to storytelling, and to creative dramatics. This course may be counted for credit in either Speech or Education.

Speech 263. BUSINESS AND PROFESSIONAL SPEAKING.

This course is geared to meet the needs of business and professional people. In this course the fundamentals of speech will be combined with the special type and techniques used in business speaking: the personal interview; the group conference; the oral report; the informative talk; the sales talk; and the short occasional speech. No credit given to speech majors or those with credit in Speech 113.

Speech 313. STAGECRAFT.

A study of the theory and practice of technical and backstage work. Open to sophomores with permission of the instructor. Two hours lecture and three hours laboratory a week. Offered in alternate years.

Speech 323. STAGE SCENERY AND LIGHTING.

A study of the types and characteristics of stage lighting and installation and of stage settings and techniques. Open to sophomores by permission of the instructor. Two hours lecture and three hours laboratory a week. Offered in alternate years.

Speech 333. PLATFORM SPEAKING.

An intensive study of the methods of speech preparation, the techniques of persuasion and audience analysis. Organization and practice in the various types of speeches which act as a motivating force for human conduct in a democratic society. Prerequisite: Six hours of speech including Speech 113.

Speech 343. ARGUMENTATION AND DEBATE.

Study of the principles of argumentation and debate; audience analysis; briefing and reasoning; strategy and refutation; debates on current questions. Prerequisite: Six hours of speech including Speech 113 or Speech 263.

Speech 413, 423. PLAY DIRECTION AND PRODUCTION.

Study, observation, and practice in selecting plays and working with problems, methods, and techniques of direction and production. Of particular importance to English and speech teachers who have to work with dramatic ac-

tivities. Two hours lecture and two hours laboratory weekly. Prerequisites: Nine hours speech or junior standing. Offered alternate years. Offered in 1955-56.

Speech 433. SPEECH IN THE SECONDARY SCHOOL.

A study of methods, procedures, and materials for use in teaching speech or working with speech activities in high school and junior high. Recommended for Speech majors and minors. Prerequisites: Twelve hours of speech including Speech 113, 143, and junior standing.

Speech 443. EXTEMPORANEOUS SPEAKING.

Extensive practice in extemporaneous speaking on present day topics of current interest, both foreign and domestic, with emphasis placed on organization and delivery of content material. Open forum techniques used in the class will provide the speaker an opportunity for assembling facts, answering questions, and meeting various audience situations. Prerequisite: Nine semester hours of speech including Speech 113.

Speech 453. INTRODUCTION TO RADIO-TELEVISION.

A study of the development of radio-television facilities, uses, purposes and regulations; methods of broadcasts; organization of production; staff-personnel (Facilities of local station will be used as a part of the laboratory work). Prerequisite: Twelve hours of speech, including Speech 113, 143, 213, 223.

Speech 463. TELEVISION-BROADCASTING.

Principles of speech and acting applied to radio-television; announcing, interpretation, adaptation of materials, use of microphones, doubling of parts, dialects. Designed to develop ability to communicate before a microphone and a television camera. (Facilities of local television stations will be used as a part of the laboratory work.) Prerequisites: Twelve hours of speech including Speech 113, 143, 213, 223.

DIVISION OF EDUCATION

(Teacher Education and Physical and Health Education)

Mr. Speer, Director

Mr. Bounous

Mr. Meng

Mr. Brooks

Mr. Morgan

Mr. Gilmore

Miss Rabke

Mr. Hunter

Mrs. Young (part-time)

Mrs. Hunter

The purpose of this division is to provide professional education for teachers, school administrators, supervisors, and other educational specialists. The goal of teacher education includes providing candidates for the teaching profession with (1) a broad general education, (2) thorough knowledge of the fields in which they intend to teach, and (3) professional orientation and specialization.

The teacher is a professional worker and as such must, through study and practice, lay the foundations for his professional competency and growth. This includes: (1) an understanding of the place of the school as a social institution in a democratic society, (2) an understanding of the growth and development of children and youth, (3) an understanding of the principles, conditions, and methods, which facilitate and motivate learning, (4) the formulation of a philosophy of education which will give him a workable viewpoint and appreciation of all teaching activities, and (5) an appreciation of the teacher's personal and professional problems and relationships.

Ed. 111. READING IMPROVEMENT CLINIC

Ed. 133. EDUCATION IN TODAY'S SOCIETY

Ed. 143. PERSONAL GROWTH IN TEACHING

Ed. 213E. PSYCHOLOGY OF CHILDHOOD

Ed. 223E. PRINCIPLES OF ELEMENTARY EDUCATION

Ed. 233S. PSYCHOLOGY OF ADOLESCENCE

Ed. 243S. PRINCIPLES OF SECONDARY EDUCATION

Ed. 303. THE TEACHING OF LANGUAGE ARTS

Ed. 303L. THE TEACHING OF LITERATURE IN THE GRADES

Ed. 313. ADMINISTRATION OF THE ELEMENTARY SCHOOL

Ed. 313L. METHODS FOR NON-ENGLISH SPEAKING
STUDENTS

Ed. 323L. METHODS FOR NON-ENGLISH SPEAKING
STUDENTS

- Ed. 323. THE TEACHING OF READING
Ed. 333. THE TEACHING OF ELEMENTARY SCIENCE
Ed. 343. READING IMPROVEMENT IN THE
SECONDARY SCHOOL
Ed. 353. TESTS AND MEASUREMENTS
Ed. 363. AUDIO-VISUAL AIDS
Ed. 373. ADVANCED EDUCATIONAL PSYCHOLOGY
Ed. 383. ADMINISTRATION OF THE SECONDARY SCHOOL
Ed. 393. THE TEACHING OF SOCIAL STUDIES
Ed. 403. THE TEACHING OF ARITHMETIC
Ed. 403E. THE ELEMENTARY CURRICULUM
Ed. 403S. THE SECONDARY CURRICULUM
Ed. 403X. EXCEPTIONAL CHILDREN
Ed. 413. TEACHING TECHNIQUES IN THE SECONDARY
SCHOOL
Ed. 423. HISTORY OF EDUCATION
Ed. 433. SCHOOL ADMINISTRATION AND FINANCE
Ed. 443. SCHOOL SUPERVISION
Ed. 443W. WORKSHOP—FUNCTIONAL PROBLEMS
Ed. 453. TEACHING TECHNIQUES IN THE ELEMENTARY
SCHOOL
Ed. 456D or 453D. OBSERVATION AND DIRECTED TEACH-
ING IN THE SECONDARY SCHOOL
Ed. 466D or 463D. OBSERVATION AND DIRECTED TEACH-
ING IN THE ELEMENTARY SCHOOL
Ed. 473. REMEDIAL READING
Ed. 483. MENTAL HYGIENE
Ed. 493E. COUNSELING AND GUIDANCE
Ed. 493S. COUNSELING AND GUIDANCE
P. E. 101M, 101W. FUNDAMENTAL SKILLS
P. E. 121. ELEMENTARY SWIMMING
P. E. 131M, 131W. MODIFIED ACTIVITIES
P. E. 141M, 141W. TEAM GAMES
P. E. 201M, 201W. SECOND-YEAR ACTIVITIES
P. E. 113. INTRODUCTION TO PHYSICAL EDUCATION
P. E. 123. PERSONAL HYGIENE AND HEALTH
P. E. 213. METHODS AND MATERIALS IN THE ELEMENT-
ARY SCHOOL
P. E. 223. METHODS OF SCHOOL HEALTH EDUCATION
P. E. 223. HEALTH EDUCATION FOR TEACHERS OF SEC-
ONDARY SCHOOLS

- P. E. 323M. TEACHING MINOR SPORTS
P. E. 323W. TEACHING INDIVIDUAL SPORTS
P. E. 342. SAFETY AND FIRST AID
P. E. 363. KINESIOLOGY
P. E. 413. CORRECTIVE AND REMEDIAL PHYSICAL EDUCATION
P. E. 423M. COACHING MAJOR SPORTS
P. E. 423W. TEACHING TEAM SPORTS
P. E. 433. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION
P. E. 433W. MATERIALS AND METHODS IN TEACHING DANCE
P. E. 453. ORGANIZATION AND ADMINISTRATION OF RECREATION

EDUCATION

Ed. 111. READING IMPROVEMENT CLINIC.

This course will be for the improvement of reading abilities of college students. In the main, speed and comprehension of reading will be stressed.

Ed. 133. EDUCATION IN TODAY'S SOCIETY.

An orientation course in general education in a democratic society. It presents a survey of the school system in the United States, its growth, its structure, its problems, and its trends as they affect and are affected by the schools.

Ed. 143. PERSONAL GROWTH IN TEACHING.

Psychological principles basic to professional education will be stressed. The ability to understand children at all levels of the school along with the personal growth of the prospective teacher will be considered.

Ed. 213E. PSYCHOLOGY OF CHILDHOOD.

This course presents a general view of the physical, emotional, social, and mental development of children from prenatal life to the adolescent period. Special emphasis is given to the interrelatedness of these four aspects of development with a view toward helping parents and teachers to understand better and guide the growth and development of the child through the pre-elementary and elementary school years.

Ed. 223E. PRINCIPLES OF ELEMENTARY EDUCATION.

A course designed to help students gain a scientific attitude toward education in a democracy. Goals, functions, and trends in elementary education with a view of adjusting the school to the needs of the pupils will be developed.

Ed. 233S. PSYCHOLOGY OF ADOLESCENCE.

A study of the characteristics, development, and psychological problems of teen-age youth relative to their successful adaptation to secondary school situations.

Ed. 243S. PRINCIPLES OF SECONDARY EDUCATION.

A course designed to assist students in the development of a scientific attitude toward organized education in a democracy. It includes a study of the goals, functions, and recent trends in secondary education with a view to adjusting the school to the needs of the learners.

Ed. 303. THE TEACHING OF LANGUAGE ARTS.

Methods of teaching the language arts in the elementary school with special reference to the building of communication skills in the curriculum.

Ed. 303L. THE TEACHING OF LITERATURE IN THE GRADES

This course familiarizes the student with poem and stories for children, and includes a study of the principles which should govern the selection of literature for children, the manner in which it should be taught, and the problem of building a library suitable for children of the elementary grades.

Ed. 313. ADMINISTRATION OF THE ELEMENTARY SCHOOL.

The democratic administration of the elementary school will be presented from the viewpoint of both the principal and the teacher. Prospective elementary principals should take this course, but it is of equal importance to the teacher.

Ed. 313L. METHODS FOR NON-ENGLISH SPEAKING STUDENTS.

A course designed to aid the teacher of beginning students who do not speak English. The assembling of teaching materials, the making of flash cards, charts, etc., will form a large part of the class work.

Ed. 323L. METHODS FOR NON-ENGLISH SPEAKING STUDENTS.

Emphasis is placed on grades one, two and three. Assembling of materials and how to use them will be stressed.

Ed. 323. THE TEACHING OF READING.

The importance, the scope, reading readiness, beginning instruction in reading, the program in the intermediate grades, the trends in instruction, and the evaluation of reading progress will be taught.

Ed. 333. THE TEACHING OF ELEMENTARY SCIENCE.

A study of those phases of science which are usually dealt with in teaching at the elementary level. Pertinent demonstrations and skills will be taught to help teachers become more proficient in helping children better understand and appreciate the natural forces which shape their physical environment.

Ed. 343. READING IMPROVEMENT IN THE SECONDARY SCHOOL. The reading difficulties of secondary pupils, the relation of reading ability to academic achievement, procedures for facilitating better reading instruction, and improving reading in the content fields are all included in this course.**Ed. 353. TESTS AND MEASUREMENTS.**

A workshop approach to the administration and interpretation of various standard and locally constructed tests. Generally, a rather wide range of tests will be used to show their usefulness in aiding the instructor to determine (1) mental ability, (2) achievement, (3) interest, (4) aptitudes, and (5) personality. So far as possible, practical application will be made and actual administration and subsequent interpretation will be employed. Prerequisite: Junior standing and 12 semester hours in education or special approval by the instructor.

Ed. 363. AUDIO-VISUAL AIDS.

A practical application of the best modern methods and the proper use of audio-visual equipment in school classrooms. Sources of materials, methods of presentation, evaluation of results, and ordinary care and usage of various types of equipment will be stressed. Prerequisite: Twelve semester hours of education or consent of the instructor.

Ed. 373. ADVANCED EDUCATIONAL PSYCHOLOGY.

An advanced course designed for students who are desirous of a detailed study of the application of modern psychological principles to teaching-learning situations. Prerequisites: Ed. 143, or three semester hours of general psychology, and Ed. 213E or Ed. 233S.

Ed. 383. ADMINISTRATION OF THE SECONDARY SCHOOL.

The democratic administration of the junior high school and of the senior high school. This course is especially designed for prospective principals, but it is of equal importance to teachers.

Ed. 393. THE TEACHING OF SOCIAL STUDIES.

Teaching social studies in the elementary schools. The role of social studies in the elementary schools with special reference to building units of work in the curriculum.

Ed. 403. THE TEACHING OF ARITHMETIC.

A treatment of the methods of teaching arithmetic at the elementary school level. It includes basic number concepts, fractions, decimals, percentage, thought problems, and such arithmetical skills as are deemed necessary for the teaching of arithmetic and the sciences.

Ed. 403E. THE ELEMENTARY CURRICULUM.

A survey of the development of the modern elementary school; the principles underlying the construction and the administration of the use of the curriculum. The construction of teacher guides of courses of study will be stressed.

Ed. 403S. THE SECONDARY CURRICULUM.

A survey of the development of the modern junior high school and the modern senior high school; the principles underlying the construction and the administration of the use of the curriculum. The construction of teacher guides will be stressed.

Ed. 403X. EXCEPTIONAL CHILDREN.

A survey course which includes consideration of the history and the philosophy of individual differences and the many classes of exceptional children problems, the diagnostic techniques, equipment and buildings, methods of teaching and therapy, the administrative procedures. Emphasis is given to the Texas plan of special education along with the study of further needs.

Ed. 413. TEACHING TECHNIQUES IN THE SECONDARY SCHOOL. Definite units of work preparatory to teaching along with the various methods of teaching will be stressed. Required of secondary majors for permanent certificates.**Ed. 423. HISTORY OF EDUCATION.**

A study of the place of education in various civilizations

and of historical development of educational thought, organizations, objectives, curriculums, and methods with special reference to a better understanding of modern educational problems and practices. Prerequisite: Twelve semester hours in education or junior standing.

Ed. 433. SCHOOL ADMINISTRATION AND FINANCE.

Attention will be given to the practical problems encountered in building the physical plant, in teacher-administration relationships, in community response to its schools, in transportation, in public relations, in supervision, and other problems connected with the financing and administering of a public school program. Prerequisite: Eighteen semester hours of education courses, senior standing, or permission of the head of the department.

Ed. 443. SCHOOL SUPERVISION.

The duties, the responsibilities, and the techniques of supervision will be surveyed. The viewpoint of the supervisor as a helper to the teacher will be stressed.

Ed. 443W. WORKSHOP—FUNCTIONAL PROBLEMS.

A workshop approach to pertinent problems arising in teaching situations will be used. Problems will be developed from the experience of the teacher or administrator, and answers to these problems will be sought. The credit may count on the elementary, secondary, or the administrative level provided such designation is entered on the grade card.

Ed. 453. TEACHING TECHNIQUES IN THE ELEMENTARY SCHOOL. Conducted according to teaching interest of the students. Development of units of work leading to actual student teaching and observation. Some observation of classroom teaching may be scheduled for the purpose of gaining a clear understanding of teaching procedures. Required of elementary majors.

Ed. 456D or 453D. OBSERVATION AND DIRECTED TEACHING IN THE SECONDARY SCHOOL. The first part of the course will consist of the preparation of teaching materials, lesson planning, keeping teacher records and making reports, study of individual pupils, study and observation of class and group work, and limited participation in teaching at the secondary level. The remainder of the course will be devoted to observation and responsible teaching in the student's major field under the guidance of a cooperating teacher. Periodic observation of the student teacher at work will be made by the college super-

visor. The student teacher will be expected to report to his cooperating teacher each day Monday through Friday and to observe other teachers at work to make the equivalent of three college class periods per day spent at the cooperating school. A weekly seminar and individual conferences are a required part of the course. Prerequisite: Approval by the head of the division.

Ed. 466D. or 463D. OBSERVATION AND DIRECTED TEACHING IN THE ELEMENTARY SCHOOL. The first part of the course will consist of the preparation of teaching materials, lesson planning, keeping teacher records and making reports, study and observation of class and group work, and limited participation in teaching at the elementary level. The remainder of the course will be devoted to observation and responsible teaching at this level under the guidance of a cooperative teacher. Periodic observations of the student teacher at work will be made by the college supervisor. The student teacher will be assigned to a teacher in a public school for one-half day for a semester, Monday through Friday. A weekly seminar and individual conferences are a required part of the course. Prerequisite: Approval by the head of the division.

Ed. 473. REMEDIAL READING.

This course will show the ways and means of giving remedial assistance to students needing such aid in the various subject matter fields in the elementary school with special emphasis on diagnostic and corrective measures.

Ed. 483. MENTAL HYGIENE.

A study of human behavior, with application to educators. Emphasis on prevention and relief of mental problems and pupil adjustment. Of interest to laymen as well as to teachers.

Ed. 493E. COUNSELING AND GUIDANCE.

The general meaning, importance, and function of counseling and guidance at the elementary school level will be presented. All children with problems rather than problem children will be the approach.

Ed. 493S. COUNSELING AND GUIDANCE.

The general meaning, importance, and function of guidance in the secondary school will be taught. Stress will be placed upon pupil adjustment to his home and school environment.

HEALTH AND PHYSICAL EDUCATION

Four semester hours credit in physical and health education are required of all students for graduation, and it is recommended that these be taken in the freshman and sophomore years. These service-type courses carry one semester hour of credit, and the course numbers end in the figure 1. Course numbers ending in the letter "m" are open to men, those ending in "w" to women, and those with no letter are open to both.

A physical and medical examination is required of all students registering for physical education activity courses. This examination will serve as a basis for classification in physical education activity classes. Special classes of adapted sports and exercises will be given for those unable to participate in the regular physical education program.

P. E. 101m, 101w. FUNDAMENTAL SKILLS.

Principles of exercise and body mechanics; co-ordination, agility, efficiency, endurance; elements of skill in sports; basic principles of personal and community health; sport's spectator education. Required of all freshmen who have not passed the skills test given early in the school year.

P. E. 121. ELEMENTARY SWIMMING.

Fundamentals of swimming, including basic strokes, floating, treading, standing dive from edge of pool, water safety and development of skill and endurance.

P. E. 131m, 131w. MODIFIED ACTIVITIES.

Open to students unable to participate in Physical Education 101 or 121 because of either a temporary or permanent disability, and for those with special remediable defective conditions.

P. E. 141m, 141w. TEAM GAMES.

Team games involving such games as soccer, volleyball, basketball, softball, tennis, and others. The type offered in a particular section is usually designated on the schedule of classes.

P. E. 201m, 201w. SECOND-YEAR ACTIVITIES.

Different sections are provided in a variety of games and sports for second-year students. These include: archery, badminton, golf, tennis, fencing, square dancing, creative

dancing, social dancing, handball, gymnastics, and swimming.

P. E. 113. INTRODUCTION TO PHYSICAL EDUCATION.

A course designed to orient the student who has a professional interest in physical education. By a consideration of the basic principles of a modern program of physical education, by discussions of the problems confronting instructors, and by demonstrations and participation of the commonly taught activities, the student is offered an opportunity to understand the teaching of physical education.

P. E. 123. PERSONAL HYGIENE AND HEALTH.

A study of hygiene and health from the personal standpoint, including health education, training, and mental hygiene. Also included is health training in public schools.

P. E. 213. METHODS AND MATERIALS IN THE ELEMENTARY SCHOOL. The methods of teaching physical education in the elementary grades to meet the needs of children, understanding of the need and values of play, consideration of the characteristics of children at different age levels, an intensive study of the selection of the activities for the various age groups, and practice in presentation of both rhythms and games for the elementary school child.

P. E. 223. METHODS OF SCHOOL HEALTH EDUCATION.

A course designed to give a thorough understanding of three major divisions of school health education, (1) healthful school living, (2) health service, and (3) health instruction. Attention is given to the need of health instruction in elementary schools, and a plan of health education for such schools is worked out.

P. E. 233. HEALTH EDUCATION FOR TEACHERS OF SECONDARY SCHOOLS. Basic principles and methods of teaching health education and the administration of the health program in the junior and senior high school. (Offered in alternate years.)

P. E. 323m. TEACHING MINOR SPORTS.

This course is arranged to meet the needs of persons who will be expected to coach minor sports: track and field, tennis, and other individual sports. (Offered in alternate years.)

P. E. 323w. TEACHING INDIVIDUAL SPORTS.

Methods and materials of teaching individual sports including archery, badminton, fencing, golf, tennis, and swimming. (Offered in alternate years.)

P. E. 342. SAFETY AND FIRST AID.

An attempt to give sufficient background and training in safety and accident prevention work, and in the treatment of minor injuries, to enable the student to work effectively in teaching or in participation in industrial or civic living. (Offered alternate years.)

P. E. 363. KINESIOLOGY.

Body mechanics and muscle action. Analysis of movement applied to teaching of physical education. (Offered in alternate years.)

P. E. 413. CORRECTIVE AND REMEDIAL PHYSICAL EDUCATION. A study of postural defects, irregularities, and recognition of common disorders; corrective measures to be employed; and cooperation with the physician in developing a program to handle these cases. Prerequisite: Twelve hours of physical education or consent of the instructor. (Offered in alternate years.)**P. E. 423m. COACHING MAJOR SPORTS.**

This is designed primarily for students who expect to enter the coaching profession. (Offered in alternate years.)

P. E. 423w. TEACHING TEAM SPORTS.

Methods and materials for teaching team sports at the secondary level. Gymnastics also included. (Offered in alternate years.)

P. E. 433. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. This course emphasizes the legal aspects of physical education; use and purchasing of equipment; planning the physical education plant; organization of physical and health education program; intramural athletics; and the selection and supervision of personnel. (Offered in alternate years.)**P. E. 433w. MATERIALS AND METHODS IN TEACHING DANCE.** Study of history, methods of presentation, and basic steps involved in modern, social, tap, and folk dance. (Offered in alternate years.)**P. E. 453. ORGANIZATION AND ADMINISTRATION OF RECREATION.** Analysis of organization, program, personnel, and study of professional opportunities in community recreation. (Offered in alternate years.)

Courses given for teachers by other Divisions will be found listed under the offerings for those Divisions.

DIVISION OF SCIENCE AND MATHEMATICS

(Biology, Chemistry, Mathematics, and Physics)

Mr. Elliott, Director

Miss Bradway

Miss James

Mr. Bretzloff

Mr. Oradat

Mr. Draeger

Mr. Otken

Mr. Hendrix

Mr. Youngman

The Division of Science and Mathematics is concerned with instruction in science for the general or liberal education of those whose fields of specialization lie outside that of science. It is desired that such a student gain an understanding of the methods and contributions which science makes in the field of natural philosophy.

The Division of Science and Mathematics is concerned with the technical training of those whose field of specialization is in science, e.g. Biology, Chemistry, Mathematics and Physics and those where science is a supplement to the field of specialization or a tool in its performance, e.g. Agriculture, Dentistry, Engineering, Home Economics, Medicine, Nursing, Pharmacy, Physical Therapy, Teaching, and Technology.

Biol. 113. PLANT PROPAGATION

Biol. 114, 124. GENERAL BIOLOGY

Biol. 214. BACTERIOLOGY

Biol. 223. FIELD NATURAL HISTORY

Biol. 254. GENERAL ENTOMOLOGY

Biol. 314. GENETICS

Biol. 316. FIELD BIOLOGY OF MEXICO

Biol. 234, 344. COMPARATIVE VERTEBRATE ANATOMY
AND VERTEBRATE EMBRYOLOGY

Biol. 314. INVERTEBRATE ZOOLOGY

Biol. 324. ORNITHOLOGY

Biol. 334. GAME BIRDS AND MAMMALS OF TEXAS

Biol. 354. FUNDAMENTALS OF PLANT PHYSIOLOGY

Chem. 114, 124. GENERAL CHEMISTRY

Chem. 214. QUANTITATIVE ANALYSIS

Chem. 224. QUANTITATIVE ANALYSIS

Chem. 215. ORGANIC CHEMISTRY

Chem. 325. ORGANIC CHEMISTRY

- Chem. 344. BIOCHEMISTRY
Chem. 414. PHYSICAL CHEMISTRY
Chem. 424. PHYSICAL CHEMISTRY
Engn. 111. PROFESSIONAL ORIENTATION
Engn. 112. ENGINEERING PROBLEMS
Engn. 113. ENGINEERING DRAWING
Engn. 123. ENGINEERING DRAWING
Engn. 222. SURVEYING
Engn. 233. MECHANISM
Engn. 223. STATICS
Engn. 313. DYNAMICS
Math. 110. SOLID GEOMETRY
Math. 113. COLLEGE ALGEBRA
Math. 123. COLLEGE TRIGONOMETRY
Math. 143. ANALYTIC GEOMETRY
Math. 153. MATHEMATICS IN GENERAL EDUCATION
Math. 163. MATHEMATICS IN GENERAL EDUCATION
Math. 213, 223. DIFFERENTIAL AND INTEGRAL CALCULUS
Math. 313. ADVANCED CALCULUS
Math. 323. DIFFERENTIAL EQUATIONS
B. Math. 113. BUSINESS MATHEMATICS
B. Math. 323. MATHEMATICS OF FINANCE
Phys. 110. PHYSICS (non-credit course)
Phys. 113, 123. PHYSICAL SCIENCE
Phys. 114, 124. GENERAL PHYSICS
Phys. 144. MECHANICS AND HEAT
Phys. 214. WAVE MOTION, SOUND AND LIGHT
Phys. 223. STATICS
Phys. 224. ELECTRICITY AND MAGNETISM
Phys. 234, 244. FUNDAMENTALS OF RADIO
Phys. 333. DYNAMICS
Phys. 413, 423. MODERN PHYSICS
Sci. Sem. 413. SCIENCE SEMINAR

Biol. 113. PLANT PROPAGATION.

A study of the fundamental principles of propagating plants, including vegetables, fruits, and ornamentals. Methods of handling and germinating seeds and propagating by means of cuttings, layers, buds, grafts, and bulbs. Practical work in all phases of plant propagation with particular emphasis on plants best adapted to South Texas. Work in both citrus and ornamental nurseries. Two hours lecture and two

hours laboratory a week. Credit cannot be counted for this course and Ag. 113.

Biol. 114, 124. GENERAL BIOLOGY.

A comprehensive study of interdependence and other relationships of organisms with stress on the animal kingdom in the first semester and on the plant kingdom in the second semester. Anatomical studies of representative members of the animal and plant phyla are made with special reference to corresponding structures and life processes in man. Emphasis is placed on important biological principles such as metabolism, reproduction, development, heredity, and eugenics. Three hours lecture and three hours laboratory a week.

Biol. 214. BACTERIOLOGY.

A general survey of the field of bacteriology. The laboratory work includes culturing, staining and identifying of microorganisms. Two hours lecture and four hours of laboratory per week. Prerequisite: Six hours biology and six hours chemistry. May be counted as advanced credit when preceded by at least twelve hours of biological science. Given in alternate years.

Biol. 223. FIELD NATURAL HISTORY.

A course designed to acquaint the student with the natural history of his own area. Emphasis is on environmental relationships of both plants and animals. Two hours lecture and three hours field work per week. Prerequisite: Sophomore standing. Limited to an enrollment of twenty.

Biol. 254. GENERAL ENTOMOLOGY.

A study will be made of the principal orders of insects, the anatomy and physiology of insects as related to control measures, and the principal insecticides and their uses. Study will be made of the beneficial and injurious insects and their life histories with particular regard to those of economic importance in South Texas. Prerequisite: Biol. 114 and 124 completed or taken in parallel and sophomore standing or the consent of the instructor. Three hours lecture and two hours laboratory. Credit cannot be counted for this course and Ag. 254.

Biol. 314. GENETICS.

Introduction to genetics with consideration of its application in agriculture, biology, and human welfare. Three hours lecture and two hours laboratory a week. Prerequisite:

site: Biol. 114, 124, or equivalent. Credit cannot be given for this course and Ag. 324. Given in alternate years.

Biol. 317. FIELD BIOLOGY OF MEXICO

A summer field course designed to introduce students to the natural history of Mexico, with emphasis on ornithology. The prerequisite is two years of biological science and permission of the instructor. Credit, seven hours.

Biol. 234, 344. COMPARATIVE VERTEBRATE ANATOMY AND VERTEBRATE EMBRYOLOGY.

The course is concerned with the structural, functional, and developmental relationships of vertebrates as exemplified mainly by elasmobranchs, amphibia, birds, and mammals. Two hours lecture, one hour recitation, and four hours laboratory a week. Prerequisite: Biol. 114, 124.

Biol. 314. INVERTEBRATE ZOOLOGY.

This is a study of the structural and functional relationships of invertebrate animals. Three hours lecture and three hours laboratory a week. Prerequisite: Biol. 234, 344.

Biol. 324. ORNITHOLOGY.

Avian biology, an intensive study of the Class Aves. Principles of classification, morphology, ecology and distribution. Emphasis on local forms: their migration, distribution and relation to man. Prerequisites: Biol. 114, 124 and permission of the instructor. Three hours lecture and four hours laboratory and field work a week.

Biol. 334. GAME BIRDS AND MAMMALS OF TEXAS.

A study of the principal game birds and mammals of Texas with emphasis on local forms — including their history, identification, and problems incident to their ecology and conservation. Three hours lecture, four hours of laboratory. (Laboratory to be in form of extended field trips on designated dates.) Prerequisites: Biol. 114, 124 and permission of the instructor.

Biol. 354. FUNDAMENTALS OF PLANT PHYSIOLOGY.

Basic chemical and physical processes in plant growth and development. Prerequisites: Chem. 114, 124, 215, and Biology 114, 124 or Ag. 113. Three lectures and three laboratory hours a week.

CHEMISTRY

Chem. 114, 124. GENERAL CHEMISTRY.

Fundamental principles of pure and applied chemistry. In the second semester the laboratory work includes semi-micro qualitative analysis. Three hours lecture, one hour recitation, and four hours laboratory a week.

Chem. 214. QUANTITATIVE ANALYSIS.

Two hours lecture and six hours of laboratory a week. Prerequisite: Chem. 114, 124.

Chem. 224. QUANTITATIVE ANALYSIS.

A continuation of Chem. 214. Two hours lecture and six hours laboratory a week. Prerequisite: Chem. 214.

Chem. 215. ORGANIC CHEMISTRY.

Study of carbon compounds with aliphatic and aromatic compounds studied in parallel. Three hours lecture and six hours laboratory a week. Prerequisite: Chem. 114, 124. May be counted as advanced credit toward a major or a minor in chemistry.

Chem. 325. ORGANIC CHEMISTRY.

A continuation of Chem. 215. Laboratory work includes organic qualitative analysis. Three hours lecture and six hours laboratory a week. Prerequisite: Chem. 215.

Chem. 344. BIOCHEMISTRY.

An elementary course in physiological chemistry or biochemistry. Three hours lecture and four hours laboratory a week. Prerequisite: Chem. 215.

Chem. 414. PHYSICAL CHEMISTRY.

Explanation and mathematical development of the theories and principles of chemistry with attention to the subjects of atomic structure, the gas laws, thermodynamics, the phase rule, and similar topics. Three hours lecture and three hours laboratory a week. Prerequisite: Chem. 114, 124, six hours of Physics, and six hours of Calculus or the consent of the instructor.

Chem. 424. PHYSICAL CHEMISTRY.

A continuation of Chem. 414. Three hours lecture and three hours of laboratory a week. Prerequisite: Chem. 414.

ENGINEERING

The engineering curriculum requires four and one-half to five years. A student may take two to three years of work in Pan American College leaving two and one-half to two years to be taken in an engineering school.

A student who seeks to begin engineering should present among his high school credits the following: two units in algebra, one unit in plane geometry, one-half unit in solid geometry, and one unit in physics. It is strongly recommended that prospective engineers who are deficient in any of the above attend high school during the summer prior to entrance to make up as many of the deficiencies as possible, particularly any deficiency in plane geometry. Entrants having only one year of high school algebra will be required to take Math. 153 as a prerequisite for Math. 113. Those deficient in solid geometry will enroll in Math. 110 and those deficient in physics will enroll in Phys. 110 during their freshman year.

Engn. 111. PROFESSIONAL ORIENTATION.

The consideration of engineering as a profession. Required during the first semester for all entering freshman engineers. One hour of lecture a week.

Engn. 112. ENGINEERING PROBLEMS.

The solution of trigonometric and basic engineering problems by use of the slide rule. One hour of lecture and two hours of laboratory a week. Prerequisite: Mathematics 123 or concurrent enrollment.

Engn. 113. ENGINEERING DRAWING.

A consideration of theory and techniques in the making of assembly drawings. Two hours of lecture and seven hours supervised drafting a week.

Engn. 123. ENGINEERING DRAWING.

A continuation of engineering 113 including the methods of descriptive geometry. Three hours of lecture and six hours of supervised work a week. Prerequisite: Engineering 113.

Engn. 222. SURVEYING.

A consideration of surveying and surveying instruments. One hour of lecture and three hours of field work a week. Prerequisite: Math 123.

Engn. 233. MECHANISM.

A consideration of the motion of machine elements including graphical solutions. Two hours of lecture and three hours of laboratory a week. Prerequisite: Engineering 123 and Physics 144.

Engn. 223. STATICS.

Resultants and equilibrium of force systems, analysis of forces acting on structures and machines, friction, centroids, and moment of inertia of areas are studied. Prerequisites: Phys. 144 and credit for, or registration in, Math. 223. Credit cannot be counted for this course and Physics 223.

Engn. 313. DYNAMICS.

A study of orbital motion. Coriolis accelerations, motions of rigid bodies, resonance phenomena, wave propagation, and fluid mechanics. Prerequisites: Phys. 224. Credit cannot be counted for this course and Phys. 333.

MATHEMATICS

Math. 110. SOLID GEOMETRY.

A non-credit course for engineering and other students who need it to clear up entrance requirements for engineering and technical schools.

Math. 113. COLLEGE ALGEBRA.

This course thoroughly reviews the fundamental operations of high school algebra and treats, in addition, progressions, mathematical induction, the binomial theorem, permutations and combinations, probability, complex numbers, interests and annuities, the theory of equations, determinants, partial fractions, and infinite series. Prerequisite: Two years of high school algebra or Math. 153 or a rank in the upper two quintiles of the Q-test of the A.C.E. Psychological Examination.

Math. 123. COLLEGE TRIGONOMETRY.

A study of the solution of right triangles and oblique triangles, functions of any angle, functions of multiple angles, radian measure, inverse functions, identities, and the solution of trigonometric equations. Prerequisite: Credit or concurrent enrollment in Math. 113.

Math. 143. ANALYTIC GEOMETRY.

Cartesian coordinates, loci, straight line, circle, parabola, ellipse, hyperbola, tangents and normals, polar coordinates, and higher plane curves are studied. Prerequisite: Math. 113 and Math. 123.

Math. 153. MATHEMATICS IN GENERAL EDUCATION.

A course for non-mathematics and non-science majors who plan to take only one year of mathematics. It covers the areas of arithmetic, geometry, algebra, and trigonometry. It strives to cover those phases of mathematics which will be useful in everyday living and to give an appreciation and understanding of mathematics. Credit will not be granted in Math. 153 if the student has previously received credit in Math. 113 or B. Math. 113.

Math. 163. MATHEMATICS IN GENERAL EDUCATION.

A continuation of Math. 153 but independent of it. Credit will not be granted in Math. 163 if the student has previously received credit in Math. 123.

Math. 213, 223. DIFFERENTIAL AND INTEGRAL CALCULUS.

Functions, limits, continuity, derivatives, maxima and minima rates, differentials and curvature, with their applications to geometry and the sciences. The integration of standard elementary forms with emphasis on the fundamental theorem of the calculus and its application to engineering and the sciences. Prerequisite: Math. 113, 123, and 143. May be counted as advanced credit if preceded by twelve hours of mathematics.

Math. 313. ADVANCED CALCULUS.

A course covering continuity; indeterminate forms; partial differentiation; multiple integration; line, surface, and space integrals; series; elliptic integrals.. Prerequisite: Math 213, Math. 223. Given in alternate years.

Math. 323. DIFFERENTIAL EQUATIONS.

A study of the nature, meaning, and solutions of ordinary and partial differential equations. Prerequisite: Math. 213, 223. Given in alternate years.

B. Math. 113. BUSINESS MATHEMATICS.

The use of numbers in business, percentage, interest and bank discount, mensuration, trade and cash discount, ownership and corporate securities, personal and business in-

surance, property taxes and home ownership, and remedial work in the fundamental operations.

B. Math. 323. MATHEMATICS OF FINANCE.

A course designed for students who plan to major in Business Administration. It covers compound interest, discount, annuities, depreciation, sinking funds, amortization, evaluation of bonds, and insurance. Prerequisite: Math 113 or 153.

PHYSICS

Phys. 110.

A non-credit course for engineering and other students who need it to clear up entrance requirements or in preparation for entering Phys. 144. Three hours lecture or recitation and two hours laboratory a week.

Phys. 113, 123. PHYSICAL SCIENCE.

Science for the general education of non-science majors. Selected subjects from astronomy, geology, meteorology, physics, and chemistry illustrate the methods of science, and the capabilities and limitations of methods in solving problems in science and other fields. Relations between scientific development and cultural, political, and industrial development are studied. Three hours lecture and two hours laboratory a week.

Phys. 114, 124. GENERAL PHYSICS.

A presentation of the fundamental principles of mechanics, heat, and sound in the first semester with light, magnetism, electricity, and modern physics being presented in the second semester. Three hours lecture, two hours laboratory, and one hour quiz section a week. Credit cannot be counted for this course and Phys. 144.

Phys. 144. MECHANICS AND HEAT.

This section is for engineers, chemistry and physics majors. Three hours lecture, two hours laboratory, and one hour quiz section a week. Prerequisite: Algebra, and credit in or registration for trigonometry. Credit cannot be counted for this course and Phys. 114.

Phys. 214. WAVE MOTION, SOUND AND LIGHT.

This course is arranged for engineers, chemistry, and phys-

ics majors. Three hours lecture, two hours laboratory, and one hour quiz section a week. Prerequisite: Phys. 144 or permission of the instructor.

Phys. 223. STATICS.

Resultants and equilibrium of force systems, analysis of forces acting on structures and machines, friction, centroids, moment of inertia of areas are studied. Prerequisites: Phys. 144 and credit for or registration in Calculus 223. Credit cannot be counted for this course and Engr. 223.

Phys. 224. ELECTRICITY AND MAGNETISM.

For engineers, chemistry, and physics majors. Three hours lecture, two hours laboratory, and one hour quiz section a week. Prerequisite: Phys. 144 or permission of the instructor.

Phys. 234, 244. FUNDAMENTALS OF RADIO.

This is a study of vacuum tubes, amplifiers, oscillators, detectors, rectifiers, receivers, transmitters, and the application of electronics in industry. Three hours lecture and four hours laboratory a week. Prerequisite: Phys. 124 or 224, or permission of the instructor.

Phys. 333. DYNAMICS.

Principles of dynamics and application to practical problems: motion of a particle, translation, rotation, plane motion, work and energy, impulse and momentum. Three hours lecture. Prerequisite: Phys. 223 and Math. 223. Credit cannot be counted for this course and Engr. 313.

Phys. 413, 423. MODERN PHYSICS.

This is a study of recent developments in physics, including atomic energy, nuclear structure, X-rays, cosmic rays, and radio-activity. For chemistry, mathematics, and physics majors. Three hours lecture. Given in alternate years.

Sci. Sem. 413. SCIENCE SEMINAR.

Prerequisite: Senior standing as a science major or permission of the instructor. Three hours lecture a week.

CONTINUING AND ADULT EDUCATION

H. A. Hodges, Director of the Division
Lyle Bounous, Assistant Director
Members of the Staff in all other Divisions
are considered members of this Division.

It is the object of the Continuing Education Program to implement Section 14 of the law which authorized the establishment of Pan American College. This portion of the law states that there shall be

“An Adult Education division for adults regardless of age or former education for (1) Basic education to emphasize citizenship, English, and training in elemental mathematics and science; (2) Terminal, vocational, and technological education and training in their generally accepted sense; (3) Work and study groups based on needs and interests as displayed by the residents of the area served by the College.”

As a part of this function, the College offers college credit work during the afternoon and evening both on the Edinburg campus and at other locations in the District. In addition, numerous non-credit courses are available in such fields as elementary English and Spanish. To provide for specific needs, there are courses which may be of a short term nature, such as a six-weeks course in salesmanship or a workshop class in food preservation.

Various forum and discussion meetings are sponsored by the Continuing Education Division, some of them jointly with civic groups. Since some of these may be organized after the regular College Catalog is printed, a complete list cannot be given.

REGISTER OF STUDENTS

DAY

Acevedo, Ovidio R.	Rio Grande City	Balay, William E.	Mercedes
Acosta, Leo Jr.	Mission	Balderas, Alfredo	Mission
Adams, Don	Pharr	Balli, Adolfo G.	McAllen
Aguilar, Jose	McAllen	Balli, Humberto	Pharr
Aguilera, Christina,	Edinburg	Balsley, Stanley P.	McAllen
Aguirre, Adalberto	San Juan	Baltis, Margaret M.	McAllen
Aguirre, Ramon F.	San Juan	Barbosa, Saul N.	Weslaco
Aguirre, Raquel	Mission	Barbosa, Tony	Weslaco
Akridge, LaVada P.	McAllen	Barker, Alton	Weslaco
Alamia, Olivia	Edinburg	Barker, Mary M.	Weslaco
Alanis, Berta	San Juan	Barnes, Barbara	Pharr
Alaniz, Irma	Santa Elena	Barnett, Robert D.	Weslaco
Alaniz, Lydia	San Juan	Barrera, Aida	Mission
Alaniz, Maria Alicia	Pharr	Barrera, Aida N.	Edinburg
Albright, Emmett M.	McAllen	Barrera, Alfredo R.	Edinburg
Alcorn, Truth	Pharr	Barrera, Alma	Edinburg
Aldridge, Allie I.	Weslaco	Barrera, Florencio	Pharr
Alejos, Refugio	Mission	Barrera, J. Oscar	McAllen
Alexander, Norma M.	McAllen	Barrera, Minerva Lazo	McAllen
Allen, Lu Ann	Edinburg	Barrera, Rene Eben	San Juan
Allen, Sheila	Edinburg	Barrera, Ricardo H.	McAllen
Almanza, Rosa R.	Mercedes	Barrera, Robert	Santa Rosa
Almaraz, Tomas	McAllen	Barrera, Rogelio	Rio Grande City
Alonso, Mamiliano	Hidalgo	Barrera, Tula E.	Mission
Alvarado, Amalia	Edinburg	Bass, Selma	McAllen
Alvarado, Ernesto	Delmita	Bazan, Demenco	Garciasville
Alvarado, Pablo	Pharr	Bazan, Elva	Mission
Alvarez, Jose Rocha	Donna	Beachum, Jerry R.	McAllen
Amaya, Severino	Mercedes	Beam, Juanita M.	McAllen
Ammerman, Bernard R.	Harlingen	Beatty, Donn	Weslaco
Anderson, Barbara E.	Mission	Beaver, W. A. Jr.	Elsa
Anderson, Harvey W.	Mission	Becker, Greyton I.	Pharr
Anzaldua, Hermila	McAllen	Bell, Mary Ann	San Carlos
Archibald, Donald K.	San Juan	Benavides, Andrea	Santa Elena
Arenas, Severino	McAllen	Bentley, Peggy Mae	Pharr
Armstrong, Mary C.	Edinburg	Berquist, Ann	McAllen
Arnold, Ruth	Pharr	Beuckmann, Sandra	McAllen
Arzamendi, Delores	McAllen	Billue, Evelyn D.	San Juan
Ashton, Clifford	Edinburg	Billman, Robert	Mission
Ashton, Thomas M.	Edinburg	Bishop, W. Meredith	Edinburg
Atkins, Donald E.	McAllen	Blackwell, Dorothy	McAllen
Atwood, Alan C.	Edinburg	Bokma, Maureen	Edinburg
Auten, Chesley J.	Mercedes	Bolds, Ina L.	San Juan
Avila, Irma Irene	Donna	Boro, Eddie	Edinburg
Awwiller, Nancy J.	Weslaco	Bourgeois, Viola L.	Mission
Ayala, Rose Marie	McAllen	Bowden, Darlene	Mercedes
Ayala, Ruben	Pharr	Bowers, Amy F.	Elsa
Babatz, Guillermo E.	Mexico City	Bowers, Julia Alice	Edinburg
Babb, Richard C.	Weslaco	Bowman, Erle	Pharr
Bader, Rodgers M.	Edinburg	Bowman, Robert R.	McAllen
Bailey, Martha Jane	Donna	Boyd, Margaret	Edinburg
Bair, Howard Lee	Edinburg	Bradford, Billy R.	Weslaco
		Brannon, Annie Meri	McAllen
		Brannon, Jeanne	Elsa

Breckenridge, Mary A.	Donna	Cavazos, Alejandro M.	Mercedes
Bresette, Emerson H.	Alamo	Cavazos, Anna Maria	McAllen
Brewer, Doris	Alamo	Cavazos, Gilbert Jr.	Edinburg
Brewer, Peggy Sue	McAllen	Cavazos, Gloria E.	Mission
Bridges, Annie Louise	Mission	Cavazos, Jesus	Mercedes
Bridgewater, Mary W.	Mission	Cavazos, Jose M.	Edinburg
Brixey, Mary E.	Weslaco	Cavazos, Mateo Vile	Mission
Broadus, Mary Edith	Santa Rosa	Cavazos, Rosa	McAllen
Brown, Adrienne L.	La Blanca	Cazares, Ramiro	Pharr
Brown, Douglas E.	Donna	Ceballos, Santos	McAllen
Brown, Jimmy	Fort Worth	de la Cerda, Celia	Mercedes
Brumley, Mrs. Royce	Donna	Champion, Diana	Edinburg
Brunkenhoefer, Freddie	Mercedes	Champion, Ignacio	Mercedes
Brunnemann, Lorraine	San Benito	Chandler, Barbara A.	Weslaco
Brunt, Charles E.	Pharr	Chandler, Donald E.	Weslaco
Brunt, Robert	Pharr	Chapa, Blas	Grulla
Bryan, Barbara L.	McAllen	Chapa, Marcelia Rio Grande	City
Bunselmeyer, Doris	Elsa	Chapa, Reynaldo	Mission
Bunting, Ima Taylor	McAllen	Chapa, Ricardo	Mission
Burford, Alice	Edinburg	Chapa, Velma Gloria	Edinburg
Burke, Sister Mary F.	Pharr	Chappell, Lena K.	Edinburg
Byrd, Dixie	Edinburg	Chavez, Martha Lydia	Hidalgo
Caddel, Bob	Alamo	Chavez, Rosa	Mission
Calvillo, Mary Jane	Mercedes	Cheever, Ellen P.	Donna
Canales, Ercilia	McAllen	Christiansen, Edgar	Weslaco
Canales, Jesus A.	San Juan	Christoffel, Alba R.	Pharr
Canas, Berta	Mercedes	Cisneros, Juan	La Villa
Canas, Oscar	Mercedes	Cisneros, Ofelia	Brownsville
Candelaria, Maria E.	Mission	Cisneros, Pedro	Mission
Cantu, Adan	Edinburg	Clarke, A. C. Jr.	Edinburg
Cantu, Alejandro G.	Elsa	Clarke, Frances H.	Edinburg
Cantu, Alfredo	San Juan	Clark, Peggy Jeanne	Pharr
Cantu, Amancio	Mercedes	Clarke, Robert	Mercedes
Cantu, Angelita G.	San Juan	Clarke, Santiago Rio Grande	City
Cantu, Argelia	McAllen	Cockrell, Bill Wade	Edinburg
Cantu, Arnoldo	San Juan	Codina, Annie M.	McAllen
Cantu, Ernesto	Edinburg	Collins, Sister Mary	Pharr
Cantu, Jesus de L.	Weslaco	Compean, Crescencia	Santa Maria
Cantu, Jose Luis Jr.	Edinburg	Conner, Darlene M.	McAllen
Cantu, Maria D.	Mercedes	Connor, Lucile	Pharr
Cantu, M. Diola	San Juan	Conquest, Keith S.	Pharr
Cantu, Maria Teresa	Mercedes	Contreras, Herminia	Edinburg
Cantu, Nicolasa	San Juan	Cooper, William D.	La Villa
Cantu, Ruben	San Juan	Cooper, Wilma R.	Alamo
Capt, James E.	Donna	Cornejo, Reynaldo	Mercedes
Cardenas, Evangeline R.	Edinburg	Corona, Ramiro	Pharr
Cardenas, Robert	Weslaco	Cortez, Maria de Jesus	San Juan
Cardenas, Ruben G.	McAllen	Cortez, Maria de la Luz	McAllen
Cardenas, Zulema G.	Edinburg	Cortez, Mrs. Rosario A.	Pharr
Carpenter, Jimmie Jean	Edinburg	Cotner, Noble	Edinburg
.....	Sullivan City	Cowan, James Albert	Mission
Carr, Audrey T.	Weslaco	Cox, Betty Lou	Santa Rosa
Carrizales, Alicia	Mission	Cox, C. Leon	San Juan
Carrizales, Hector	Mission	Coyle, Forrest E.	Pharr
Carter, Glen	Donna	Crabb, Ellis E. Jr.	Hebbronville
Casas, Cecilia	Edinburg	Crabb, J. D. Jr.	La Blanca
Cassity, Imogene R.	Weslaco	Crane, David P.	Edinburg
Castillejo, Maria	Edinburg	Crane, Fred R.	Edinburg
Castillo, Margarita	Pharr	Cray, Arlen B.	Edinburg
Castillo, Moises	McAllen	Crow, Tedd	Edinburg
Castro, Emilio J.	Weslaco	Cruce, Charles	Mission

de la Cruz, Richard A.	McAllen	Esparza, Guadalupe (Mrs.)	McAllen
Cuellar, Louis	McAllen	Esparza, Guadalupe Jose	McAllen
Cuellar, Oscar	Weslaco	Esparza, Zifa	San Benito
Culberson, Jane M.	Mission	Espinoza, Maria O.	Edinburg
Cummings, Don	Edinburg	Esquivel, Betty	Donna
Cummins, Jesse F.	McAllen	Esquivel, Crisoforo	Mission
Cupps, Esther	Edinburg	Estimbo, Emma	Edinburg
Curl, Ronald D.	Pharr	Estrada, Alejandro	Mercedes
Curry, Lillian	McAllen	Evans, Donald W.	Edinburg
Curtis, Araminta C.	Mission	Evans, Joe Collice	McAllen
Curtis, Frances E.	Pharr	Eyers, Carolyn	McAllen
Da Costa Gomez, Teresa	Edinburg	Faires, Eugene D.	Edinburg
Davies, Shirley	Pharr	Farias, Lucia	Garciasville
Davila, Maria Elida	Hidalgo	Farmer, Dick Ned	Edinburg
Davila, Oscar G.	Mission	Farrar, Virginia Lee	Pharr
Davis, Jane H.	Raymondville	Ferguson, Freddie S.	Mission
Dawes, Roy Adley	McAllen	Ferguson, Gerald Lee	Mission
Dawson, Boyd V.	Weslaco	Ferguson, Rozella	Mercedes
Dayton, Phyllis	Mission	Fernandez, Roberto	Mercedes
DeBerry, Allene A.	Edcouch	Fesler, E. Neil	Mission
DeHoyos, Daniel	Mercedes	Fields, John H.	Weslaco
DeLeon, Alfonso	Edinburg	Files, Patrick H.	McAllen
DeLeon, Consuelo	Edinburg	Fisher, S. Lynne	Edinburg
DeLeon, Evangeline	Pharr	Fitzgerald, Patsy R.	Mercedes
DeLeon, Ricardo T.	Edinburg	FitzSimon, John P., Jr.	Edinburg
DeLeon, Serafin	Mission	Florence, Charles	Edinburg
DeLeon, Silverio	Edinburg	Flores, Alfredo R.	McAllen
Delgado, Joe V.	Harlingen	Flores, Alma Ruby Sullivan	City
Delgado, Minerva	McAllen	Flores, Arturo	Edinburg
De Luna, Miguel	Mission	Flores, Enrique	Edinburg
Denton, Ida Belle	Edinburg	Flores, Ester G.	Raymondville
Derr, Lois	Alamo	Flores, Jose Lauro	Edinburg
Detwiler, Carl L.	Edinburg	Flores, Rachel	Mission
Deville, Eddie Jo.	Edinburg	Flores, Ramiro	Edinburg
Deville, Mary R.	Edinburg	Flores, Robert	Rio Grande City
Diaz, Hilda M.	Edinburg	Flores, Rodolfo	Edinburg
Diaz Salvador S.	Edinburg	Flores, Tomas Z.	San Juan
Dibrell, W. D. (Dolly) ..	Edinburg	Foutz, Richard L.	Edinburg
Dibrell, M. Jane	Edinburg	Franks, Robert	Mission
Dicus, Robert Ed	Edinburg	Franz, Frank	Hidalgo
Dimas, Jose Natividad	Santa Elena	Freeman, Paul	Pharr
Doddemeade, James A.	Edinburg	Frizzell, Thomas	Harlingen
Dominguez Esther	Mercedes	Fross, Cecille R.	McAllen
Dondlinger, Eugene E.	Mission	Fross, Jacqueline G.	McAllen
Doyle, William C.	Edinburg	Funderberg, Dan L.	McAllen
Duke, Ceresa	Edinburg	Fuqua, Brice	Edcouch
Dukes, Mildred	La Feria	Gaitan, Rodolfo	Edinburg
Duncan, Harrison	Edinburg	Gaitan, Tina	Edinburg
Dunn, Neil Patrick	Edinburg	Galindo, Wichita M.	Rio Grande City
Dunnell, Arthur J.	Edinburg	Galvan, Jose	Mercedes
Edwards, Laura	Edinburg	Garcia, Amparo	Garciasville
Ehrhardt, Mary E.	Pharr	Garcia, Arturo B.	Rio Grande City
Elizondo, Eutiquio M.	Edinburg	Garcia, Berta D.	Mercedes
Elizondo Manuel L.	Edinburg	Garcia, Elizabeth	Edinburg
Elizondo, Rogelio C.	Mercedes	Garcia, Evangeline	Edinburg
Elkins, Dennis K.	Santa Rosa	Garcia, Herlinda	McAllen
Ellis, Clara D.	Mission	Garcia, Ignacio A.	Edinburg
Ernst, Bruce E.	Edcouch	Garcia, Israel, Jr.	Garciasville
Escobar, Eustacia	McAllen		
Escobar, Richard	Donna		

Garcia, Manuel, Jr.	Garciasville	Goetzinger, Leah	San Juan
Garcia, Manuelita	Mercedes	Gomez, Gregorio O., Jr.	Edinburg
Garcia, Maria Lydia	Edinburg	Gomez, Guadalupe	Edinburg
Garcia, Maria Lydia	Mission	Gomez, Gustavo G.	Edinburg
Garcia, Mike	Edcouch	Gomez, Jose L.	Edinburg
Garcia, Nelda	Rio Grande City	Gomez, Octavio, Jr.	McAllen
Garcia, Omar	Mission	Gomez, Octavio	Edinburg
Garcia, Rene Rafael	McAllen	Gonzalez, Ada M.	Mercedes
Garcia, Virginia	Pharr	Gonzalez, Alberto	Edinburg
Garcia, Wilfrido	Rio Grande City	Gonzalez, Alex, Jr.	Elsa
Gardiner, Wanda S.	Mission	Gonzalez, Arnoldo	
Garlinghouse, Ardyce	Donna		Rio Grande City
Garrett, Sylvia N.	Raymondville	Gonzalez, Arturo G.	Edinburg
Gartz, Helen L.	San Juan	Gonzales, Bertha D.	Brownsville
Garza, Adalberto	San Juan	Gonzalez, Cirilo	Edcouch
Garza, Alonzo	Mission	Gonzalez, Crisanto, Jr.	
Garza Arturo	Rio Grande City		Rio Grande City
De La Garza, Arturo	Mission	Gonzales, David	Edinburg
Garza, Carlos Jr.	Peñitas	Gonzalez, David	Edinburg
Garza, Carlos Romeo	Edinburg	Gonzalez, Edelmiro	Donna
Garza, Consuelo	McAllen	Gonzalez, Enedelia	Mission
Garza, Daniel	McAllen	Gonzalez, Ernesto	Mission
Garza, Edmundo	McAllen	Gonzalez, George	McAllen
De la Garza, Emma	Donna	Gonzalez, Hector	Rio Grande City
Garza, Emma O.	Edinburg	Gonzalez, Jose C.	McAllen
Garza, Enrique	Rio Grande City	Gonzalez, Jose P.	Pharr
Garza, Eva	Mercedes	Gonzalez, Leoncio	
Garza, George	Edinburg		Rio Grande City
Garza, Gonzalo G.	Edinburg	Gonzalez, Maima	Mission
Garza, Guadalupe	San Juan	Gonzalez, Marta	Rio Grande City
Garza, Irene	McAllen	Gonzalez, Mary Frances	Hidalgo
Garza, Isaac	Edinburg	Gonzalez, Nora	Pharr
De la Garza, Jose	Donna	Gonzalez, Pedro A.	
Garza, Jose I.	Mission		Rio Grande City
Garza, Leonor	Edinburg	Gonzalez, Raul G.	Edinburg
De la Garza, Librado, Jr.	Mission	Gonzales, Socorro	La Joya
Garza, Lydia	Linn	Gonzales, Yolanda	McAllen
Garza, Lydia T.	Rio Grande City	Gordon, John P.	Edinburg
Garza, Manuel	Edinburg	Gordon, Mary	Edinburg
Garza, Margie	McAllen	Gorena, Hector	Mercedes
Garza, Maria A.	San Juan	Gorena, Jose Jaime	Mercedes
Garza, Maria Ignacia	Linn	Gorena, Vilma	Edinburg
Garza, Mary Ida	McAllen	Goss, David	Edcouch
Garza, Nerea	Peñitas	Gray, Eural R.	McAllen
Garza, Nora Emma	Weslaco	Green, Valerie	McAllen
Garza, Oscar G.	Mission	Green, Velma L.	Pharr
Garza, Oscar O. III	Mission	Greene, Sister M. Annunciata	
Garza, Roque A.	San Juan		Alamo
Garza, Rosalina	Hidalgo	Greenhill, Kenneth	McAllen
Garza, Socorro	Penitas	Greenwade, Nancy Joe	Edinburg
Garza, Sue	Edinburg	Gregurek, Violet	La Blanca
Garza, Sylvia	Edinburg	Griffin, Charles	Mercedes
Garza, Virginia	Mercedes	Gross, Noy Arthur	Edinburg
Gaston, Thomas E.	Edinburg	Guadarrama, Evangelina	
Gerber, Eugenia N.	Edinburg		Edinburg
Getner, Gus	Pharr	Guajardo, Alma	Mission
Gilmer, Maudie Lou	McAllen	Guerra, Carlos	Weslaco
Glover, Neva	Mission	Guerra, Clotilde J.	San Juan
Godinez, Carmen	Pharr	Guerra, Domingo I.	San Juan
Godwin, Ruby F.	Weslaco	Guerra, Gloria	El Sauz

Guerra, Narciso	Grulla	Hinojosa, Hector	Grulla
Guerra, Norbert I.	Mercedes	Hinojosa, Lucas H.	Linn
Guerra, Norma Alicia ..	Mercedes	Hinojosa, Maria Zelma ..	Mission
Guerra, Olga	Garciasville	Hinojosa, Marianella ...	Edinburg
Guerra, Raul H.	Donna	Hodges, H. Robert	Edinburg
Guerra, Rodrigo	Mission	Hodgson, Thora Jonell ..	Pharr
Guerrero, Jose M. Rio Grande City		Hofland, Dorance Otto ..	Pharr
Guevera, Juan	La Feria	Holman, Cecil Terry	Weslaco
Gulley, Calvin A.	Mercedes	Holman, James T.	Edinburg
Gunsul, Joe A.	Edinburg	Holt, Wanda Ruth	Edcouch
Guzman, Lorenzo A.	Edcouch	Hopkins, Peggy	San Juan
Haden, Michael A.	McAllen	Horner, Eula	Edinburg
Haldiman, Larry Gene ..	Pharr	Houts, Eugene	Edinburg
Hales, Jack, Jr.	Weslaco	Hudson, Glenna	Pharr
Hall, John Clarence	Edinburg	Hughes, Mary	Edinburg
Hallock, Clyde L., Jr. ...	San Juan	Humphries, Marie	Edinburg
Hallock, C. Francis ...	San Juan	Hunger, Rudolf Eugen ...	McAllen
Hamlin, Elsie	San Juan	Hunt, Anna May	Edcouch
Hammer, Dorothy	Edinburg	Hutchinson, Erma Lee ...	McAllen
Hammond, James F.	McAllen	Hyde, Lee	Edinburg
Haney, Charles	Alamo	Inks, Carole	Pharr
Happe, Gaye Ann	Mission	Inks, James M.	Pharr
Hardeback, Patience Lea ..	Donna	Inlow, Tim Ray	Edinburg
Hardin, Joyce S.	Edcouch	Jackel, Raymond	San Juan
Hardy, Billy B.	McAllen	Jacobs, Kenneth R.	Weslaco
Harren, George V., Jr. ...	Weslaco	Jeske, Jayne	Alamo
Harren, Richard	Weslaco	Jett, John B., Jr.	Pharr
Harrington, Jane	Edinburg	Jimenez, Viola	Donna
Harris, Don	Edinburg	Johnson, Arthur W. ...	Edinburg
Harris, Walter L.	McAllen	Johnson, Eleanor	Lyford
Harrison, R. E.	McAllen	Johnson, Ethel	Edinburg
Harter, Harold	McAllen	Johnson, Joyce M.	Alamo
Hauff, Don	Mercedes	Johnson, Lila M.	Alamo
Hausenfluck, J. D.	Elsa	Jones, Joe Dan	Weslaco
Havens, Carlton	Pharr	Jones, Lena Nix	Edcouch
Hayes, Doris	Weslaco	Jones, William R.	Edcouch
Hayes, Ervin R.	Donna	Kaml, Jimmy L.	Edinburg
Hefner, Joyce	Edinburg	Karle, Robert W.	Mercedes
Henderson, F. Hope Raymondville		Keas, William W., Jr. ...	La Villa
Henderson, Paul	Edinburg	Keck, Olive Grissom	McAllen
Henrichsen, Marjorie ...	Edinburg	Kelly, Gordon	McAllen
Henslee, Eugene S.	Pharr	Kennard, Carol	McAllen
Herebia, Reynaldo	Edinburg	Kent, Donald	McAllen
Hernandez, Arturo	McAllen	Ketcham, Rose B.	Santa Rosa
Hernandez, Dora	Edinburg	Key, Meta	Weslaco
Hernandez, Seferino ...	Mercedes	Kiefer, Demaris Lucille ...	Alamo
Hernandez, Sylvia	Mercedes	King, Hazel	Harlingen
Hernandez, Vincent ...	Edinburg	Kinsey, Ennis W., Jr. ...	Mission
Herrera, Fernando	Alamo	Kirkpatrick, Betty Lois ...	Mission
Hesterly, Louis Bert	Edcouch	Kirkpatrick, Norma Jean	Mission
Hetrick, David Lee	Pharr	Knauf, Acelia	Edinburg
Higgins, Thomas E.	McAllen	Knauf, Louis	Edinburg
Hill, David	Edinburg	Knight, Ed Lee	Mercedes
Hines, Nita E.	Pharr	Knox, Patsy	Edinburg
Hines, Phil	Edinburg	Kodama, Terry	McAllen
Hinojosa, Adalberto	Grulla	Koen, Ada L.	Edinburg
Hinojosa, Blanca	Mercedes	Lackey, Nancy C.	Edinburg
Hinojosa, Crisoforo	Edinburg	Lacy, Ingrid	McAllen
Hinojosa, Dionisio A. ...	Mercedes	Lambert, Vivian	McAllen
Hinojosa, Edelmiro	Grulla	Lawrence, Daisy	Edinburg

Lawrence, Jon Dee	Edinburg	McWhorter, Charles	Weslaco
Leal, Emma	Mercedes	Macias, Antonio	McAllen
LeBow, Lelia D.	McAllen	Mackintosh, Mabel	McAllen
LeCroix, Verna E.	Mercedes	Madrigal, Olga	Edinburg
Ledbetter, Jerry D.	Edinburg	Maiville, Elsie	Donna
Leggett, Gene	Edinburg	Maiville, Nelson	Donna
Lemons, Pernie	Edinburg	Manning, Robert	Edinburg
Lemus, Fidel	Mission	Mantz, James	Mission
Leo, Maria Elena	Mission	Marley, Gertrude	Donna
Lester, Shirley Ann ...	Edinburg	Marsh, Robert R.	McAllen
Letts, Margaret J.	Mission	Martin, Sandra	Donna
Lieper, Ruth	San Benito	Martinez, Alicia	Pharr
Linders, Myrtle R.	Harlingen	Martinez, Arturo	Mercedes
Lines, Edith	Mission	Martinez, Gilberto	McAllen
Lira, Valdemar G.	Edcouch	Martinez, Gloria A.	
Little, Mary I.	Raymondville	.....	Rio Grande City
Lodico, Cosmo A.	Edinburg	Martinez, Graciela A.	Mission
Lodico, Lewis	Edinburg	Martinez, Irma Ana	Mercedes
Longoria, Arnaldo	Mission	Martinez, Jose	McAllen
Longoria, Dolores	Mercedes	Martinez, Noel	San Juan
Longoria, Jose I.	Mission	Martinez, Rebecca P.	Mission
Longoria, Leonel	Edinburg	Mason, Beulah C.	San Benito
Longoria, Rosa E.	Edinburg	Mata, Juan Manuel	Mercedes
Lopez, Berta	Edinburg	Mathews, Gladys	Mission
Lopez, Bertha V.	Edinburg	May, Lucille	Linn
Lopez, Ernestina	Santa Elena	Mays, Frank	Edinburg
Lopez, Noe Julian		Medellin, Minerva O.	Mercedes
.....	Rio Grande City	Medina, Elma	Rio Grande City
Lopez, Noemi A.	Rio Grande City	Medina, Plinio C.	McAllen
Lopez, Rene Rolando		Meinen, Lee O.	Mission
.....	Rio Grande City	Melson, Joe	Edinburg
Lopez, Ruben	Mission	Mendoza, Hector	Rio Grande City
Lorensen, Wayne A.	Edinburg	Mercado, Jose, Jr.	La Feria
Lott, Lora Nell	Hargill	Miller, Keith L.	Edinburg
Lozano, Lucila Viola ...	Edinburg	Miller, Lacie M.	Donna
Lozano, Maria del R. (Cuca) Pharr		Miller, Leslie Lee	Edinburg
Lozano, Sylvia Rose ...	Edinburg	Miller, Maxine Gupton	Edinburg
Lucas, Florence Irene ...	Mercedes	Miller, Robert M.	Weslaco
Luecke, Jerry	Donna	Miller, Shirley	Edinburg
Luna, Dolores O.	Weslaco	Milliken, Minnie Lee ...	McAllen
Luna, Gumercinda	Hidalgo	Mireles, Irene	Los Ebanos
Lundy, Leroy	Hargill	Mireles, Roberto	Los Ebanos
Lyon, Robert	Edinburg	Mitchell, Quince L.	Edinburg
Lyons, Gerald W.	Mission	Mitchell, Robert N.	McAllen
Lysaght, Sister Mary A.	Alamo	Molina, Nick, Jr.	Edinburg
Lysinger, James C.	Edinburg	Molina, Nora	Weslaco
Lysinger, John E.	Edinburg	Moncivaiz, Manuel P.	McAllen
McCarty, Velma Jean	Donna	Montalvo, Romanita	Lyford
McCleary, Louise	Mission	Montemayor, Willie ...	San Benito
McCleod, Bonnie	Edinburg	Montgomery, Julia	Edinburg
McClelland, James S.	McAllen	Moore, Paul M.	San Juan
McCormick, Walter	McAllen	Mora, Gamaliel	Edinburg
McCullough, Marjorie E.	McAllen	Morales, Serbando	San Juan
McHugh, Joseph David	Mercedes	Moreno, Ramon C.	Mercedes
McKone, William	McAllen	Morgan, Laura P.	McAllen
McLafferty, Gloria	McAllen	Morgan, Mary E.	Weslaco
McMahan, Joe	Donna	Morin, Donato	Edcouch
McMillian, Barney E.	McAllen	Mosqueda, David	San Juan
McMillin, Mildred	Pharr	Muniz, Andreina	Harlingen
McQuarters, William A.	Harlingen		

Munoz, Guadalupe

.....	Rio Grande City
Munoz, Irma Irene	Mission
Munoz, Romeo	Edinburg
Murillo, Conception	Edinburg
Musselman, Joyce E.	McAllen
Myers, Billy	Pharr
Nash, LeRoy J.	Edcouch
Navarro, Englantina	Edinburg
Navarro, Olga	Edinburg
Navarro, Rodolfo M.	Mission
Newberry, Clinton	Mercedes
Newell, Lydia....	Rio Grande City
Nicholls, Jimmy P.	McAllen
Nichols, Mary Goss Raymondville	
Nicholson, Mrs. Jimmie R. Donna	
Nielson, Allyn	Pharr
Nieto, John Wesley	Edinburg
Nihart, Gilbert	Harlingen
Nordmeyer, Alfred R., Jr. Mission	
Norquest, Carrol	Edinburg
Norquest, Peter Erik	Edinburg
Nuvelli, Patrick	Weslaco
Nuchols, Frances Sue Santa Rosa	
Nuchols, Thomas S....	Santa Rosa
Nuckels, Harold D.	Mission
Oakleaf, Barbara	McAllen
Obregon, Angelita	Edinburg
Obregon, Francisca	Edinburg
Obregon, Maria	Edinburg
Ochoa, Alma Gloria	Edinburg
Ochoa, Antonio	Donna
Ochoa, Dalia	Mission
Ochoa, Lino	Mission
Ochoa, Nicolas	Edinburg
Ochoa, Sylvia	Edinburg
Oehler, Martha Ann	Weslaco
Olivarez, Edna....	Rio Grande City
Olivarez, Sara	Mission
Oliver, John	Edinburg
Oliver, Nina	Edinburg
Oliver, Robert G.	Edinburg
Ortiz, Antonio	Mission
Ortiz, Maria Socorro	McAllen
Ortiz, Piedad	Edinburg
Ortiz, Rebecca	Sullivan City
Otal, Gloria	Pharr
Padilla, Virginia	Edinburg
Page, Mary Ann	Hidalgo
Pajarl, Gladys	Harlingen
Palko, John W.	Donna
Palomo, Benny	Edinburg
Paraskevas, Alex	Edinburg
Paraskevas, George	Edinburg
Parker, Eldon W.	Alamo
Parrott, Francis	Mission
Pauley, Thomas	Edinburg
Paull, Eugenia R.	Edinburg
Pavlovich, Kay L.	Edinburg
Payne, Audrey	Elsa
Payte, Penelope A.	Mission
Payton, Joan Eva	Pharr
Pearce, Lowell R., Jr.	Mission
Pearson, Margaret N.	Pharr
Pena, Gaston	Mission
Pena, Homer Humberto ..	Mission
Pena, Homer Jose	McAllen
Pena, Joel Noe	McAllen
Pena, Juanita	Los Ebanos
Pena, Lionel	Mission
Pena, Lionel A.	Elsa
Pena, Maria Brunilda	
.....	Rio Grande City
Pena, Maria Graciela	
.....	Rio Grande City
de la Pena, Rogelio R.	Weslaco
Peralez, Carlos	Weslaco
Pereira, Jorge Mario	Edinburg
Perez, Cornelius T.	Weslaco
Perez, Elma Guadalupe	Edinburg
Perez, G. Arminda	Edinburg
Perez, Eustolia	Edinburg
Perez, Isidro C.	Edinburg
Perez, Joe	Edinburg
Perez, Maria Hilda	Cipres
Perez, Noe	Pharr
Perez, Ofilia	Donna
Perez, Olivia	Edinburg
Perez, Pablo	Mission
Perez, Sabas	Mission
Perez, Santiago	Elsa
Perry, Carl	Mission
Perry, Gloria Jean	Edinburg
Peterson, Irene	McAllen
Peynado, Ascension	Mercedes
Phippeny, Jo Ellen	Weslaco
Pierce, Gary	Edinburg
Pigg, Billy Joe	Edinburg
Pinkerton, James	Mercedes
Pinkston, David	Edcouch
Pinkston, Dorothy	San Benito
Plyler, Hallie	Mission
Polk, Nanci	McAllen
Pollakowski, Charles	Weslaco
Pontius, Elmer	Mission
Pool, George	Harlingen
Porras, Sofia	Edinburg
Powell, Antha B.	Edinburg
Price, Sally	Mercedes
Pruitt, Warren	Jermyn, Texas
Quintanilla, Ricardo	Mission
Ramirez, Baldemar	Pentitas
Ramirez, Betty Ringo	Edinburg
Ramirez, Heron	McAllen
Ramirez, Javier T.	Roma
Ramirez, Joe G.	Mission
Ramirez, Jose D.	Edinburg
Ramirez, Louis	Weslaco
Ramirez, Marta	Pentitas

Ramirez, Mary Alice	Edinburg	Saenz, Erasmo A.	Elsa
Ramirez, Noemi	Penitas	Saenz, Hermelinda	Pharr
Ramos, Faviola	Mission	Saenz, Jesus	McAllen
Ramos, Ismael	Weslaco	Saenz, Leonel	Rio Grande City
Ramos, Rodolfo Loa	Weslaco	Saenz, Maria E.	Mission
Ramos, Rosa	Pharr	Saenz, Minerva	Mission
Reid, Marilyn L.	Pharr	Saenz, Rafaela	San Juan
Reising, Richard C.	Edinburg	Salas, Angelica	Edinburg
Rendon, Francisco M.		Salazar, Baltazar	Edinburg
	Reynosa, Mexico	Salazar, Eloy G.	Donna
Renfroe, Don	Edcouch	Saldana, Esther	Mercedes
Resendez, Abrana	El Sauz	Saldana, Florencio	McAllen
Reyes, Hilda	Edinburg	Saldana, Livia	Mercedes
Reyes, Ralph, Jr.	Edinburg	Saldana, Sylvia	Edinburg
Reyna, Consuelo	Edinburg	Salinas, Alicia	Los Ebanos
Reyna, Daniel	Edinburg	Salinas, Armando	Los Ebanos
Reyna, Dora Juana	Mission	Salinas, Crescencio P.	Mission
Reyna, Lydia Elia	McAllen	Salinas, Homer	Mercedes
Reyna, Matias	Edinburg	Salinas, Ricardo R.	McAllen
Reyna, Mauro	Mission	Sanchez, Anselmo	Edinburg
Reynolds, Pat F.	Mission	Sanchez, Delia	La Feria
Richardson, James	Mercedes	Sanchez, Edmundo	Mission
Rickner, Francine B.		Sanchez, Minerva	McAllen
	Raymondville	Sanders, Nancy J.	Weslaco
Rico, Tony	Weslaco	Sanders, W. C.	Edinburg
Riddle, Dennis A.	Pharr	Sandoval, Audomaro	Pharr
Rios, Agapito G.	La Feria	Sandoval, Jesus	Pharr
Rios, Ernestina	McAllen	Sandoval, Rene	Pharr
Rios, Maria Lydia	Edinburg	Sanfilippi, Daniel	Edinburg
Rios, Ronaldo A.	Edinburg	Santa Ana, Rodrigo, Jr.	McAllen
Rippert, William	Weslaco	Santa Ana, Romeo B.	McAllen
Riskind, Arthur C.	Edinburg	Santana, Roberto B.	Pharr
Rivas, Crisolfa	Los Ebanos	Santos, Norma	Mission
Rivas, Elena	Los Ebanos	Sasser, Jimmy F.	Edinburg
Rivas, Elida	Mission	Sawyer, Carole J.	Weslaco
Rivas, Ninfa	Los Ebanos	Sawyer, Dorothy M.	Edinburg
Robinson, Gelee	McAllen	Sawyer, Russell E.	McAllen
Rocha, Carmen	Mission	Saxon, Charles	McAllen
Rodriguez, Corina	Mercedes	Schiwetz, Pearl S.	McAllen
Rodriguez, Genaro, Jr.	Mercedes	Schultz, Edith	Mission
Rodriguez, Joe A.	Edinburg	Schultz, Helen	Donna
Rodriguez, Lile	Mercedes	Schupp, Albert C.	Weslaco
Rodriguez, Lydia	Weslaco	Scrivener, John N.	McAllen
Roe, Leslie	Mercedes	Self, Loy Dale	Donna
Romero, Jose Noe	San Juan	Sell, Joanne L.	McAllen
Romero, Pete	Pharr	Sepulveda, Domingo P.	Weslaco
Rooks, Shirley Rae	Edinburg	Sepulveda, Jesus	Weslaco
De la Rosa, Vidal	Mission	Serna, Neftali	San Juan
Rosa, Ysrael	Elsa	Sewell, Donald L.	Edcouch
Rosette, Santford	Mission	Seymour, Jack Q.	Pharr
Russell, M. Janice	McAllen	Shell, Miles E.	McAllen
Russell, William O., Jr.	Mercedes	Sherrill, Charles M.	Weslaco
Rutherford, Mary V.	Edinburg	Shindler, Pauline	Harlingen
Rutledge, Elva R.	Edinburg	Sidener, Nelson Van, Jr.	Weslaco
Ryan, Wesley	Weslaco	Sims, Leslie	Pharr
Rydl, Lorraine	Alamo	Skinner, Albert	Edinburg
Saenz, America A.	Santa Elena	Skogsberg, Hazel K.	McAllen
Saenz, Aurelia	Harlingen	Slayton, Betty Fern	McAllen
Saenz, Deldie C.	Mission	Sloss, Elia L.	San Juan
Saenz, Emilia	Rio Grande City	Smidt, Shirley	Pharr

Smith, Anita May	Edinburg	Tijerina, Natalia	Edinburg
Smith, Fred	Mercedes	Tillison, Julia	Mission
Smith, Nelia Mai	Edinburg	Tisdale, C. Duane	Edinburg
Smith, Olga	McAllen	Todd, William R.	Donna
Smith, Oscar	Pharr	Torline, Norbert K.	Alamo
Solis, Alfredo	Mercedes	Torres, Carlos	Edinburg
Solis, Heriberto	Mercedes	Torres, Dora	Donna
Solis, John Lee	Mission	Torres, Frances	McAllen
Soliz, Lydia	Edinburg	Torres, Hector	Mission
Solis, Ruben	Rio Grande City	Torres, Lydia	Edinburg
Solis, Yolanda T.	San Juan	Torres, Reynaldo, Jr. ...	McAllen
Sorensen, Don Roger	San Juan	Townsend, Joyce E.	Donna
Soriente, Rudolph	San Juan	Treadaway, Joanne	McAllen
Sotelo, Mary Alice	McAllen	Trevino, Abundio A., Jr.	
Soto, Eulalia	Mercedes	.....	Rio Grande City
Soto, Margarita E.	Edinburg	Trevino, Alfonso	Edinburg
Spell, Esther K.	McAllen	Trevino, Armando	La Joya
Spiesse, Euloise	Edinburg	Trevino, Esperanza	San Juan
Spinks, Loreda	Mission	Trevino, Estella	Edinburg
Stagg, Maryan A.	Raymondville	Trevino, Maria Christina	
Stallings, Myles S.	Lyford	.....	Edinburg
Stanberry, C. J.	Edinburg	Trevino, Miguel	McAllen
Stanberry, Janet L.	McAllen	Trigo, Juanita	Rio Grande City
Stanford, Corene G.	San Benito	Triplitt, Kathryn E.	Edinburg
Stanton, Sister Mary A.	Pharr	Triplitt, Vivian L.	Edinburg
Stearns, Helen	Mission	Turner, Illa Jane	San Juan
Steelman, Bobby R.	Educouch	Turner, Joyce J.	Edinburg
Stegman, Francis X.	Brownsville	Uresti, Eva	Mercedes
Stephans, Mary Ann	McAllen	Uresti, Victoria	Mercedes
Stephen, Jo Margaret	Edinburg	Valadez, Lupe	McAllen
Stephens, George	Fort Worth	Valderaz, Agripin	Mercedes
Stephens, Harold	Edinburg	Valdez, Estela	Brownsville
Stephens, Norman J.	Edinburg	Vale, Norma Jane Rio Grande City	
Sterling, Fanny	Edinburg	Valenciano, Manuel	Pharr
Stinnett, Bonnie	McAllen	Valverde, Carlos	McAllen
Stites, Dorothy J.	Donna	VanMatre, Wesley, Jr., ..	Edinburg
Stone, Joe	Rio Grande City	Vasquez, Berta	McAllen
Stone, Lillian	Raymondville	Vasquez, Federico	Mission
Storey, Elizabeth	Port Isabel	Vasquez, Pedro	Mission
Storlie, Suzanne Lee	McAllen	Vela, Anastacia	Pharr
Stout, Gladys L.	Edinburg	Vela, Clotilde	Edinburg
Stout, Marjorie	Edinburg	Vela, Joe Alex	Edinburg
Strader, Robert L.	Raymondville	Vela, Oscar	McAllen
Strobel, Ernest A.	Donna	Vela, Rafael, Jr.	Edinburg
Sumers, Arvena M.	Edinburg	Vela, Reynaldo G.	Mission
Summers, Ruth Hendricks	Mission	Vela, Rudy E.	Edinburg
Sunderland, Carl G., Jr.	Mission	Vendetti, Harriett	McAllen
Sutton, Barbara	Harlingen	Vento, Elia	Mercedes
Swearengin, Darrell	Mercedes	Villafuerte, Enriqueta F.	Edinburg
Swinnea, James W., Jr.	Weslaco	Villanueva, Eleazar	Mercedes
Tagle, Amadeo	Edinburg	Villarreal, Augustina	Edinburg
Tait, Robert R.	Santa Rosa	Villarreal, Anita	Edinburg
Taylor, John	McAllen	Villarreal, Arturo	Mercedes
Templin, Doris	Edinburg	Villarreal, Benilde S.	
Tewell, Virginia L.	Edinburg	.....	Rio Grande City
Thomas, Homer Alonzo	Edinburg	Villarreal, Berta Rosa	McAllen
Thompson, Dorothy Jane	Weslaco	Villarreal, Jose	Rio Grande City
Thompson, Forrest	Pharr	Villarreal, Miguel	Edinburg
Thompson, Gale O.	Pharr	Villarreal, Ofelia	Edinburg
Thompson, Ray	Alamo	Villegas, Sylvia O.	Lyford

de la Vina, Rosemary	Edinburg	Williams, John F.	Mission
Vining, Francis M.	Weslaco	Williams, Waymon E.	McAllen
Walker, Serena	Hargill	Williamson, Calvin W.	Pharr
Wallace, Glenn Ray	Pharr	Wills, Duane E.	Edinburg
Wallace, Shirley	Edinburg	Wilson, Dorothy	Mission
Waller, Mary	Weslaco	Wilson, Gerel L.	Edinburg
Walter, Robert	Edinburg	Winn, Dora	Alamo
Ware, Lillian M.	Edinburg	Wolfe, Fannie Lou	Edinburg
Warren, James E.	McAllen	Wolfe, Mary Louise	McAllen
Washburn, Dale	Donna	Wolfe, Maston B., Jr.	Edinburg
Watson, Ann Elizabeth	Alamo	Wolfey, Norma Lee	Los Fresnos
Webb, Jay Clark	Alamo	Wood, Tom Floyd	La Feria
Webb, Phillip	McAllen	Wooten, Jimmy E. ....	.....
Weir, Frank Al	McAllen	.....	Rio Grande City
Weiss, Ann	McAllen	Worley, Emery Kent	Mercedes
Wells, Dennis	Weslaco	Worthington, Don L.	Edinburg
Wells, George	Edinburg	Wyatt, Memery Ray	Donna
Wells, James W.	Edinburg	Wycoff, Ramona A.	McAllen
Westbrook, Norene	San Juan	Yancy, La Donna J.	Edinburg
Whalen, Robert	McAllen	Youngman, Mary Beth	Edinburg
White, Eulah M.	Weslaco	Zamora, Daniel	Penitas
Whittenburg, Corrine	San Benito	Zamora, Florentina	Mercedes
Wienken, Marjorie	Donna	Zamora, Rene Oscar	Edinburg
Wilder, James E., Jr.	Mercedes	Zamora, Rosie	Elsa
Wilder, May Catherine	Mercedes	Zapata, Francisca	Los Ebanos
Wiley, Joy L.	Weslaco	Zapata, Ventura	Edcouch
Wilkins, Mary Lee	McAllen	Zapata, Ricardo	Edinburg
Willhite, Jerry	Harlingen	Zavala, Cristobal	McAllen
Williams, Barbara Jean	Mercedes	Zepeda, Clara W.	San Benito
Williams, Doris Joe	McAllen	Zimmerman, Dorothy L.	Pharr

EVENING STUDENTS

Adame, Haroldo	Pharr	Badger, Ira	Weslaco
Aguirre, Adalberto	San Juan	Balusek, Eddie	McAllen
Aguirre, Arthur	Edinburg	Bamberg, Phyllis	McAllen
Aguirre, Melchora	Edinburg	Barajas, Manuel	Mission
Akridge, J. L.	McAllen	Barnette, Faye	Weslaco
Alamia, Maria T.	Edinburg	Barr, Cedric	McAllen
Alaniz, Carlos	Mission	Barrera, Elia	Pharr
Alaniz, Dolores	Edinburg	Barrera, Jose Oscar	McAllen
Alaniz, Maria Evangelina	Donna	Barrios, Jose O.	Edinburg
Albrecht, Alvin Hubert	Edinburg	Barron, Richard	Edinburg
Alejos, Santiago	Mission	Bartliff, Augusta	Mission
Alfaro, Fannie	Edinburg	Bay, Paula	Mission
Allen, William Wayne	Edinburg	Beard, Jerry Joseph	McAllen
Almaraz, Tomas	McAllen	Beaudry, Eileen C.	Edinburg
Alston, Jennie	Edinburg	Becka, Edwin	Edinburg
Alvarado, Ramon	Mission	Beddoe, Ada L.	Edinburg
Ambriz, Juan	Edinburg	Bedinghaus, Lillian Ruth	McAllen
Andersen, Keith	Weslaco	Bellows, Averill	McAllen
Apperson, William	Rio Bravo	Bentsen, Marion	Edcouch
Archer, Mildred	Mercedes	Bentsen, William Neil	Edcouch
Archer, Parthenia Lee	Weslaco	Berquist, Elizabeth	San Juan
Armstrong, M. Catherine .....	.....	Berry, Donald C.	Mission
.....	Edinburg	Betts, Melissa D.	Edinburg
Athey, Wallace	Harlingen	Beuckman, Robert O., Jr.	McAllen
Badger, Florence	Weslaco	Block, Melford L.	Weslaco

Boecker, Cecilia	Weslaco	Dawson, Carrie	Donna
Bomba, Mary Etta	Mercedes	Dawson, Deloy L.	Weslaco
Bott, Johnnie Merle	McAllen	d'Hemecourt, Bernadette	
Bott, Minor L., Jr.	McAllen	.....	Mercedes
Bowden, Darlene	Mercedes	d'Hemecourt, George ...	Mercedes
Bowman, Helen	McAllen	deHoyos, Marlana Leticia	
Bretzloff, Lillian Kotman		.....	Raymondville
.....	Edinburg	DeLeon, Feliciano	Pharr
Brooks, Dorothy	Edinburg	DeLeon, Guillermo Elias ...	Pharr
Brower, Eleanor G.	Mercedes	DeLeon, Olga Eduarda	Pharr
Brower, Olive M.	Mercedes	Delgado, Luis	McAllen
Brown, Wanda	La Blanca	Denbo, Barbara	Alamo
Bryant, Pauline A.	McAllen	DeSylva, Josefa P.	Mission
Bueno, Andrea Z.	Donna	Deupree, Margaret F.	Edinburg
Bullock, James W.	Mission	Diaz, Abel, Jr.	Edinburg
Canady, M. E.	Mission	Diehl, Earl	Edinburg
Canche, Fernando, Jr.	Alamo	Dill, Ruth	Mission
Cantu, Angelita G.	San Juan	Disney, Helen	McAllen
Cantu, Anita	Mercedes	Dixon, Bertha	Peñitas
Cantu, Bella	San Juan	Downing, Andrew	Mercedes
Cantu, Juanita	San Juan	Downing, Bertrand W. ...	Mercedes
Cantu, Librado	San Juan	Downs, Marvin	Pharr
Cantu, Manuel Cuellar	Pharr	Downs, Mildred	Pharr
Cantu, Nicolasa	San Juan	Dressler, Genevieve	Mercedes
Cantu, Robert	Mercedes	Dressler, Walter	Mercedes
Capt, William	Donna	Dube, Rene	Edinburg
Cardenas, Abraham H.	McAllen	Duke, Ella	McAllen
Cardenas, Evangeline	Edinburg	Duncan, Donald	Mercedes
Cardona, Domingo	Weslaco	Duncan, Margaret	Mercedes
Carlin, Gertrude	Weslaco	Dunson, Eugene	Mercedes
Casas, Elvira	Edinburg	Echeverria, Dora	Edinburg
Case, Ronald A.	Edinburg	Edman, Gordon Lowell ...	Mission
Caskey, Evelyn	Mercedes	Edwards, Mildred	Mercedes
Castillo, Lupita	Mercedes	Elliott, Florence	Edinburg
Cavazos, Lucrecia Lopez	Edinburg	Elliott, Margaret	Edinburg
Cavazos, Rosa Sylvia ...	McAllen	Emmons, Beatrice	Weslaco
Cavazos, Sofia	Edinburg	Engert, Eva	San Juan
Cave, William Edward	Harlingen	Escobar, Luis	Mission
Chacon, Mere	Mercedes	Esparza, Carlos	Edinburg
Champion, Joe	McAllen	Esquivel, Nasario	Edinburg
Chaney, Leslie Ernest	Mission	Estrada, Amado	Edinburg
Chapa, Christella	La Villa	Farrias, Elva	Pharr
Chapa, Ella	La Villa	Ferguson, David	McAllen
Ciani, Elizabeth Theresa ...	Pharr	Fisher, Bryan	McAllen
Cicerich, John	Mission	Fisher, Mary	Pharr
Clay, Lenora	Mercedes	Flores, Abel O.	Edinburg
Clore, Grace Lucille ...	Mercedes	Flores, Alonzo A.	Mercedes
Condon, Margaret	Mercedes	Flores, Eleazar C.	Edinburg
Cook, Jack D.	Edinburg	Flores, Eleazir	Pharr
Cortino, John	McAllen	Flores, Espiridion	Pharr
Cosby, Audren	Donna	Flores, Irene	Pharr
Cottingham, Jimmy	McAllen	Flores, Jovita	Mercedes
Cox, Mildred Lee	Pharr	Flores, Ruben	Edinburg
Crabb, Frances M.	La Blanca	Foerster, Willie Ruth	Elsa
Cramer, Alice Lee	Edinburg	Francis, B. Faith	McAllen
Cravener, Charlotte	Mercedes	Frisby, Darryl Eugene ...	McAllen
Crosby, Jurlyne	Weslaco	Fuente, Bela de la	Edinburg
Curry, Lillian	McAllen	Gambel, Alfred E.	Raymondville
Dabbs, Patsy R.	Mission	Gamboa, Magdalena Helen	
Daggett, Maynard	Mission	.....	Edinburg

Garcia, Efraim H.	McAllen	Guadarrama, Evangeline	Edinburg
Garcia, Maria C.	Edinburg	Guerra, Manuel, Jr.	McAllen
Garcia, Roberto	Edinburg	Guerra, Margarita	Edinburg
Garcia, Safira Calvillo ..	Edinburg	Guerra, Maria J.	Edinburg
Garey, Christine Mae	Donna	Guerra, Mercedes M.	Edinburg
Garner, Mary	Pharr	Gutierrez, Mary	Harlingen
Garretson, Rachel	Pharr	Gutierrez, Rogelio	McAllen
Garrett, Harold Dean	Mission	Gutierrez, Santiago	Edinburg
Garrett, Sylvia	Raymondville	Gutting, Louis Jacob	San Juan
Garza, Beatrice	Weslaco	Haldiman, Virginia	Pharr
Garza, Edmundo	McAllen	Haley, Sarah	Pharr
Garza, Eleazar	McAllen	Hall, Dosa	Weslaco
Garza, Emma M.	Edinburg	Hall, Ensel	McAllen
Garza, Emma	Edinburg	Hall, Herbert E.	Weslaco
Garza, Ernestina Vela ..	Edinburg	Hall, Mildred	McAllen
Garza, Guadalupe	Mission	Halliburton, Roy E.	Mercedes
Garza, Guadalupe V.	Edinburg	Hallock, Cora A.	San Juan
Garza, Jesse de la	Edinburg	Harker, Esther S.	Weslaco
de la Garza, Maria	Edinburg	Harker, Merle C.	Weslaco
Garza, Octavio	Edinburg	Harris, Willie D.	Pharr
Garza, Odilia	Peñitas	Haynes, Clara L.	Pharr
Garza, Olga R.	McAllen	Hedrick, Pauline	Mercedes
Garza, Romeo	McAllen	Helms, Edna Mae	Edinburg
Garza, Samuel	Weslaco	Henrick, Neva Zoe	Mercedes
Garza, Sofia	Mission	Hernandez, Hortencia Smith	Pharr
Garza, Virginia Leonila ..	Peñitas	Herzer, Eunice	McAllen
Gayken, Donald	Edinburg	Hetrick, Sara Mabel	Pharr
Gentry, Pauline S.	Mission	Hinojosa, Aaron	Mission
George, Heidrick	La Villa	Hinojosa, Consuelo	Mercedes
Gerber, Agnes	McAllen	Hinojosa, "Dora", Maria	Isodora
Getto, Bernard	McAllen	.....	Edinburg
Gibson, Della	Mercedes	Hinojosa, Elvira	Mercedes
Gibson, Fred	Mercedes	Hinojosa, Lazaro	Mission
Gilbert, Robert	Mercedes	Hinojosa, Leticia Margarita	McAllen
Gilliland, Libby	Raymondville	Hinojosa, Rafael R.	Edinburg
Gilmore, Charles	McAllen	Hoffman, Geraldine	Mercedes
Gloria, Florinda	Harlingen	Holloway, Violet	Weslaco
Gomez, Alicia	Mission	Holt, Edith	Santa Rosa
Gomez, Guadalupe	McAllen	Hopkins, Lois	Pharr
Gomez, Maria O	Mercedes	Hosack, Barbara	Edinburg
Gomez, Pedro M.	Edinburg	Hosey, Willie Mae	Edinburg
Gomez, Virginia	Edinburg	Hovey, Scott W., Jr.	Mission
Gonzalez, Eva	Edcouch	Howard, Elsie	Edinburg
Gonzales, Gilbert	Edinburg	Howard, Harry E.	Edinburg
Gonzalez, Hortencia	Pharr	Hughbanks, Corinne	McAllen
Gonzalez, Jose J.	Mission	Hughbanks, Monroe	McAllen
Gonzales, Ofira	Harlingen	Hughes, Elma	Edcouch
Gonzalez, Patricio A.	Pharr	Hunter, Adelaide	Edinburg
Gonzalez, Raul G.	Edinburg	Ibarra, Esmeralda	Edinburg
Gonzalez, Rebecca	Edcouch	Ingram, Susan Florine ..	McAllen
Gonzalez, Teresa	Edcouch	Isbell, Marie	McAllen
Good, Maebelle	Edinburg	Iwata, Joanne	McAllen
Good, Robert	Edinburg	Johnson, Clearsie	Weslaco
Goodrich, Mary Lucille ..	Alamo	Johnson, Susie	McAllen
Gordon, Lidia Longoria ..	Edinburg	Johnston, Anne Vanderslice	Mercedes
Gordon, Olive E.	Edinburg	.....	Edinburg
Gorena, Maria Olivia	Mission	Johnston, Lillia	Edinburg
Graf, Lillie Mae	Mercedes		
Grimes, Anna Hall	San Juan		
Grosser, Peggy	Donna		

Johnston, Marcella	La Villa	McDonald, Louis F.	McAllen
Johnston, Margaret Stokes		McFeters, Doris	McAllen
.....	Mercedes	McGilvray, Bobby	McAllen
Johnston, Martin	Edinburg	McIntosh, Howard L.	McAllen
Johnston, Robert Hartman		McMillin, Harry	Mercedes
.....	Mercedes	McMullen, Robert Gerald	McAllen
Jones, Byron	Mercedes	Malone, Billie	Mission
Jones, Kenneth	Mercedes	Magallan, Lillie	Mission
Jones, Nellie M.	Edcouch	Maltos, Esther	Edinburg
Jones, Raymond	Mercedes	Marquardt, Milton E.	McAllen
Jordan, Susana R.	Edinburg	Marsh, Marlin W.	Weslaco
Keasler, Jack	Weslaco	Martin, Cecil Robert	Mercedes
Keasler, Guila	Weslaco	Martin, Nell Eugenia	Mercedes
Keefer, Elmer	McAllen	Martinez, Beatriz Barrera	Mission
Keen, Marshall F.	Mission	Martinez, Carlos	Mission
Kelly, Neatha Gene	Mercedes	Martinez, Maria Elena	Mission
Kiel, William H.	San Juan	Martinez, Noel	San Juan
Kimsey, Edwin F.	Pharr	Maxwell, Norman	Weslaco
King, Lawrence S., Jr. ..	Edinburg	Meeks, James	Weslaco
Kinnebrew, Kenneth	Edinburg	Mendoza, Seferino Adrian	
Kirker, Helen	Mercedes	.....	Mercedes
Kocian, Marilyn	Edcouch	Mentz, Phillip R.	Pharr
Koehler, Edna Bohls	San Juan	Messina, Joseph A.	McAllen
Krieger, Horace	Pharr	Metcalfe, Donald Tracey	Mercedes
Krieger, Ruth	Pharr	Metcalfe, Mary Kay	Mercedes
Krueger, Willa	Mercedes	Miller, Serena	McAllen
Kuentler, Barbara Lou ..	Mission	Miller, Theodore C	Mission
Kuhl, Ivan Walter	McAllen	Milliken, Minnie Lee	McAllen
Kuhl, Ruth A.	McAllen	Mitchell, Dorothy	Edinburg
Kurzon, Virginia	Edinburg	Mitchell, James	Edinburg
LaGrone, Dorothy Moss	Edinburg	Moersch, Margaret	Weslaco
Lancaster, Lee Ella	Weslaco	Moody, Mary	Mercedes
Lane, Orphana	Mission	Moore, Irene	Mercedes
Larsen, Letha	McAllen	Moore, William	Weslaco
Laurel, Edward	Edinburg	Morales, Guadalupe	Edinburg
Lawrence, Ruby	Weslaco	Moreno, Alejandro	Hidalgo
Leal, Angela	San Benito	Moreno, Amado	La Blanca
Leal, Elvira	Harlingen	Morgan, Mary Effie	McAllen
Learned, Mary Raynor	Donna	Morneau, Blanche	Mission
Lewis, Jasper	Edcouch	Morrow, Edith D.	Weslaco
Lewis, Jewel	Edcouch	Morton, Beulah	Pharr
Lewis, Lorena	Edcouch	Mudge, Rilla	Donna
Liesch, William Aloysius	McAllen	Muñoz, Juan	Mission
Liesch, William Arthur ..	McAllen	Murillo, Raquel	Edinburg
Lillie, Alton W.	Mission	Myers, Agnes	Pharr
Little, Mary Isabel	Raymondville	Narro, Dorothy Rogers	McAllen
Livingston, Laura	McAllen	Narro, Sonora Bryan	McAllen
Lofton, Jim D.	San Juan	Naud, Don F.	La Joya
Longoria, Lucia	Edinburg	Newton, M. Birchard	McAllen
Longoria, Ofelia	Edinburg	Nino, Idolina	Pharr
Lopez, Arcadio	Edinburg	North, Norman	Mission
Lopez, Evangelina	Alamo	Northcutt, Edith	Donna
Lorenzana, Dora	Mercedes	Novelli, Alice	Weslaco
Lorenzana, Lilia	Mercedes	Ochoa, Delia	La Feria
Lott, Callie Ryan	Hargill	Olivarez, Concepcion	Minerva
Lutz, Leroy	Edinburg	.....	Edinburg
Lyday, Florice Mayme ..	Edinburg	Olivarez, Oscar ..	Rio Grande City
Lyons, Margel	Mercedes	Olivarez, Sulema Gonzales	
McAskil, Erin	Edinburg	.....	Mercedes
McDaniel, Maybel	Mission	O'Malley, Fonda	Edinburg

Oradat, Jeanne	Pharr	Rodriguez, Clara	Edinburg
Orozco, Guadalupe	Mission	Rodriguez, Eriberto G.	Mission
Pertiz, Hilaria	Edinburg	Rodriguez, Eusebio, Jr.	McAllen
Owen, Buford Jack	Edinburg	Rodriguez, Lydia	Weslaco
Ozuna, Minerva	Edinburg	Ross, Emily J.	Weslaco
Paradisa, Mary	Edinburg	Rowland, Donnie	Mercedes
Paraskevas, Magdalene	Edinburg	Ruiz, Juanita	Edinburg
Parker, John Odis	Weslaco	Rutledge, Aurora	Edinburg
Pearce, Allan Ray	Pharr	Rutledge, Irene	Edinburg
Peña, Homer Jose	McAllen	Sadler, Harlin L.	Edinburg
Perdue, Lila	Edcouch	Saenz, Deldie	Mission
Perez, Elena	Elsa	Saenz, Hilda	Edcouch
Perez, Eugenio	Edinburg	Saenz, Maria E.	Mission
Perez, Eva	Edinburg	Saenz, Rafaela	San Juan
Perez, Manuel	Elsa	Salas, Angelica	Edinburg
Perez, Sara	Elsa	Salazar, Francisco	Edinburg
Pittman, Lois	Donna	Salazar, Paula	Edinburg
Ply, Lemuel Leslie	Pharr	Salazar, Salome	Edinburg
Pollock, Lemuel Eugene	Mission	Salinas, Enriqueta	Edinburg
Ponce, Eva Estella	Edinburg	Salinas, Olga P.	Pharr
Poole, Frank	Mercedes	Sanchez, Edmundo	Mission
Posey, Virginia	Pharr	Sanchez, Natividad	McAllen
Prather, Iris	Donna	Sandoval, Apolonio	Pharr
Quin, Betsy R.	Edinburg	Santos, Jesus de los, Jr.	Mission
Quintanilla, Tony	Mission	Sasser, Geneve Serviere	Edinburg
Raczynski, Stanley Frank	McAllen	Sauceda, Ninfa	Mercedes
Ramirez, Alfonso	Edinburg	Schaeffer, Elinor Ann	McAllen
Ramirez, Camilo R.	Edinburg	Schaeffer, Howard Lewis	McAllen
Ramirez, Enrique Rivera	Mission	Schritter, Genevieve	Mercedes
Ramos, Ismael	Weslaco	Schroeder, Patricia Sue	Mercedes
Ratz, Carrol	Mission	Shaw, Harold	Elsa
Ratz, Elizabeth	Mission	Shaw, Verna	Elsa
Ray, Alma A.	Mercedes	Sheeler, Marguerite	Mission
Ray, Richard	Harlingen	Sheeler, Rube	Mission
Ray, Sidney C.	Harlingen	Shepperd, Enola	Edinburg
Reyes, Estella	Edinburg	Shilling, Billie	Donna
Reyes, Rudolfo	Weslaco	Short, Maxine	Edinburg
Reyna, Gertrude	Mission	Sidenburg, Emma	Mission
Reyna, Lydia	McAllen	Simmons, Edwin N.	McAllen
Reyna, Mauro L., Jr.	Mission	Simmons, Emma Fern	Edinburg
Reynolds, Edward G.	McAllen	Smith, Eugenia	Edinburg
Reynolds, Jo Ann	McAllen	Smith, Marilyn	McAllen
Reynolds, Selma	McAllen	Smith, Murel	Edinburg
Rice, Colon Hortez	McAllen	Smith, Nancy	Edinburg
Riddick, Ruth	Edinburg	Smith, Oscar	Pharr
Riffel, Oleva Mae	Weslaco	Smith, Richard	McAllen
Riley, Grace Maxine	Weslaco	Smith, Venita	Edinburg
Rios, Sobeyda	McAllen	Solis, Joaquin	Edinburg
Rippert, Harold	McAllen	Solis, Lydia	Edinburg
Rivera, Alejandro	Edinburg	Sooter, Violette L.	Mission
Rivera, Ida	Elsa	Soto, Dora	Edinburg
Rivera, Mary	Elsa	Sparkman, Edgar Owen.	Edcouch
Roberts, Gwen	McAllen	Sparkman, Ethelyene	Edcouch
Robinson, Julia Aubert	Mission	Spaulding, Frederic Benjamin	McAllen
Robinson, Mary	Edinburg	.....	McAllen
Robinson, Walter J.	Mission	Spell, Esther King	McAllen
Robles, Hector Garza	Weslaco	Spell, Joann	McAllen
Robles, Rolando Garza	Weslaco	Spiro, Rose T.	McAllen
Rodgers, Freddie	Donna	Spring, Vera	Weslaco
Rodriguez, Alberto	Donna	Stephens, Edna Flossie ..	McAllen

Stephens, Margaret	Weslaco	Walker, Janet C.	Mission
Stowe, Wayne	Donna	Walker, Jess L.	Edinburg
Summers, Edna E.	Edinburg	Wall, Charles	McAllen
Summers, Kenneth	Edinburg	Weatherby, Hazel L. ...	Edcouch
Summers, Sidney	Edinburg	Weaver, Elsie Fields	Donna
Tallant, Mertie M.	Edinburg	Webb, Austin	McAllen
Teran, Estella	Pharr	Welch, William Milus ...	McAllen
Theis, Mae Honora	Mercedes	West, Paul Owen	McAllen
Thomas, Billy R.	Edinburg	White, Thelma	Edinburg
Thomas, Helen	Mission	Whorton, Beryl	Edinburg
Thomas, Helen	Weslaco	Wicke, Edith Louise	Donna
Todd, Nina W.	Weslaco	Wicker, Aileen S.	Pharr
Trammell, Jack Therman ..	Pharr	Wickland, Genevieve ...	McAllen
Trdla, Lita	Mission	Wienken, John F.	Donna
Trevino, Emma	McAllen	Wilkerson, Clarence	Donna
Trevino, Jose Luis	Edinburg	Wilkerson, Dorothea	Donna
Trousdale, Mrs. Ray B. ...	Mercedes	Williams, William David, Jr.	
Tucker, Grace	Pharr	.....	Edinburg
Tyner, Patria S.	Donna	Willis, Jerry Don	Weslaco
Utberg, Neil Stratton ...	Edinburg	Willis, Sue Lynn V.	Weslaco
Valadez, Oscar R.	Mission	Wilson, Dorothy D.	Mission
Valdez, Rebecca	Edinburg	Wilson, James R.	Edinburg
Vandever, Georgia deVries		Wisembaker, Peyton Harry	
.....	Edinburg	.....	Edinburg
Vasquez, Clara	Edinburg	Wisner, Juanita S.	Mercedes
Vela, Arnoldo	McAllen	Wood, Bonnie Jolene	Pharr
Villalobos, Elia Sanchez		Woods, Hazel	Donna
.....	Edinburg	Work, Charles O.	Edinburg
Villegas, Antonio Victor ...	Pharr	Wright, Bess Louise Raymondville	
Vina, Grace	Edinburg	Yarritu, Teresa	Edcouch
Vina, Juan de la	Edinburg	Youngblom, Howard Allen	
Vinyard, Hortense D.	Edinburg	.....	McAllen
Voltz, Sara M.	Weslaco	Zamora, David G.	Edinburg
Wagener, J. S.	McAllen	Zarafonetis, Dorothy Fay	
Wagner, Genola Dean	Donna	.....	Edinburg
Waldron, Joe LaMoine	McAllen	Zavala, Rafaela	Elsa

APPLICATION FOR ADMISSION

to

PAN AMERICAN COLLEGE

Complete this form and return to: The Registrar, Pan American College, Edinburg, Texas. **As soon as possible**, and well in advance of the time for registration, have a copy of your transcript of courses and grades sent to the same address.

Mr.

Miss

1. Name: Mrs.
Last First Middle

2. Address:

3. Graduate of High School.

4. If not a high school graduate, indicate by checking which method of entrance you expect to use:

.....a. by examination b. by individual approval

5. Other colleges attended:

..... When?

6. For what profession or vocation do you expect to prepare?

.....

7. Check your educational aim on the following list:

.....a. I expect to earn a degree from Pan American College.

.....b. I expect to transfer to another college to complete my work.

.....c. I want to enroll for special, non-credit work.

.....d. I want college credit work but do not plan to take a regular degree.

(In 1954-1955 the enrollment in Pan American College was at capacity. While it is hoped that some additional space may be made available for the 1955-1956 session, the College must reserve the right to refuse admission to those persons whose applications are received after classes have been filled.)

