

*Second year  
(Do not take  
from  
Odessa Junior College office)*

**GENERAL INFORMATION  
and  
ANNOUNCEMENTS**

**1947-48**

*8*

**THE SECOND SESSION**

**Registration: September 8-9, 1947**

**Classes Begin: September 10, 1947**

**ODESSA, TEXAS**

ODESSA JUNIOR COLLEGE  
CATALOGUE

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# ODESSA JUNIOR COLLEGE

## CALENDAR

1947-48

September 8-9, 1947.....	Registration for First Semester
September 10.....	First Semester Classes Begin
November 8.....	End of First Nine-Weeks Period
November 11.....	Armistice Holiday
November 27-30.....	Thanksgiving Holiday
December 20.....	Classes Dismissed for Christmas Holidays
January 5, 1948.....	Classes Resumed
January 21-24.....	Mid-Semester Examinations and Reports
January 26-27.....	Registration for Second Semester
January 28.....	Second Semester Classes Begin
March 27.....	End of Third Nine-Weeks Period
March 29.....	Easter Holiday
May 26-29.....	Final Examinations and Reports

## BOARD OF TRUSTEES

S. F. Hurt.....	President
A. R. Dyer.....	Secretary
Dr. C. E. Wilson.....	First Vice-President
Dr. E. V. Headlee.....	Second Vice-President
George Tripp.....	Assistant Secretary
D. M. Hankins.....	
E. E. Pokorney.....	

## ODESSA JUNIOR COLLEGE

### Faculty

MURRY H. FLY, M. A., President

M. A., University of Texas, University of Chicago. Major: Education; minor: Economics.

Superintendent of Odessa Public Schools since 1924.

W. A. MILLER, M. A., Dean

M. A., University of Texas. Attended N. T. S. T. C. and Columbia University. Major: Administrative Education; minor: Social Sciences.

Principal of Texas High Schools since 1931. Principal of Odessa Senior High School. Assistant Superintendent of Odessa Public Schools.

H. L. ROY BASKIN, M. A., Registrar, Social Sciences

B. A., Abilene Christian College; M. A., University of Texas. Graduate study, University of Texas and Simmons University. Major: Administrative Education; minor: Social Science.

Instructor and principal of Texas High Schools. Dean of Ranger Junior College.

MARY ROACH, M. A., Business Administration

B. A., Southern Methodist University; M. A., Colorado State College of Education. Major: Business Administration; minor: Spanish and Education.

Instructor of Texas High Schools.

ALTA LEE JAMES, B. S., Business Administration

B. S., Central State College, Oklahoma. Graduate work: Oklahoma Agricultural and Mechanical College. Major: Commerce; minor: Music.

Head of Commercial Departments in Oklahoma High Schools.

BETTYE TRAVIS, M. A., English

B. A., Abilene Christian College; M. A., Colorado State College of Education. Graduate work, University of Colorado. Major: English; minor: Foreign Languages.

Instructor in Texas High Schools.

VIRGINIA ISABELLE FELDER, M. S., Mathematics

B. A., Mississippi State College for Women; M. S., Tulane University. Graduate work: Louisiana State University; Duke University; Junior College Workshop, University of Chicago; Yale University School of Alcohol Studies. Major: Mathematics; minor: Physics.

Instructor in Mississippi High Schools; Copiah-Lincoln Junior College, Wesson, Mississippi; Radio Mechanics, Army Air Forces, Chicago; Army Air Forces Cadets, Mississippi State College; Sunflower Junior College, Moorhead, Mississippi.

WILLIAM ALONZA McINTOSH, M. A., Natural Sciences

B. S., Alabama Polytechnic Institute, Auburn; M. A., Texas Technological College, Lubbock. Special student, University of Chicago.

Instructor, principal, and superintendent of Texas High Schools.

MARGARET NASH, B. S., Clerk, Associate Registrar

B. S., East Texas Baptist College, Marshall. Major: Business Administration; minor: Education.

Clerk, Odessa Senior High School.

## GENERAL INFORMATION, ADMISSION, AND EXPENSES

### ENTRANCE REQUIREMENTS

For admission to the Odessa Junior College fifteen high school units as specified below plus graduation from an accredited high school are required:

Units	Required Subjects
3	English
2	From the Mathematics Group
4	Two units from each of any two of the following three groups:
	Foreign Language
	Social Science
	Natural Science
6	Electives

A student may enter the Odessa Junior College (1) by taking entrance examinations, (2) by individual approval, and (3) by transferring from another college. At the discretion of the Dean of the College an applicant 21 years of age or over, or a veteran of World War II 18 years of age or over, who has not graduated from an accredited high school may be admitted conditionally to the freshmen class without examination. In this case, entrance conditions may be removed upon completion of 30 semester hours of work, including 6 semester hours of English and courses in at least four other subject matter fields with an average grade of 75. Students seeking admission from another college must present evidence of honorable dismissal and an official transcript of his entire college record, including his admission units.

### Registration

All students must matriculate in person at the college where complete directions will be given for registration. It is required that an official transcript of credits earned in high school be in the hands of the registrar at the time of registration.

In order not to delay registration, students who need advice or counsel regarding their courses or any other phase of college life should come to the campus before the official date of registration for this assistance.

All freshmen students are required to take English.

### Opportunities for Veterans

The Veterans Administration has approved the Odessa Junior College as an institution of higher learning for those veterans of World War II who desire to attend college under the provisions of the G. I. Bill of Rights.

All veterans who plan to attend the Odessa Junior College under the provisions of the Bill of Rights should apply for a Certificate of Eligibility before date of registration. Application for same should be made by the veteran at the local Veterans Administration office.

### Tuition, Fees, and Deposits

\$ 1.00	Registration fee per semester
30.00	Tuition, regular industrial students per semester
35.00	Tuition, regular out-of-district students per semester.
10.00	Tuition, special students, 3 clock hours
15.00	Tuition, special students, 6 clock hours
20.00	Tuition, special students, 9 clock hours
1.00	Late registration fee
1.00	Charge for adding or dropping a course after the official days of registration
2.50	Laboratory fee, Biology, per semester
2.50	Laboratory fee, Physics, per semester
3.00	Laboratory fee, Chemistry, per semester
2.50	Laboratory fee, Typewriting, per semester
3.00	Library deposit (returnable, less fines)
2.50	Charge for late or special examinations
1.00	Cost for preparing each transcript after the first one has been prepared without charge
10.00	Graduation fee required for all students who receive a diploma or a certificate. This includes cost of diploma, cap and gown, and other necessary expenses for commencement.

### Accreditation

The Odessa Junior College has been accredited by the State Department of Education.

### Location

The Odessa Junior College is located in the new, modern high school building. The site, building, and equipment cost approximately \$1,000,000.

### Amount of Work

The normal student load in the College is 15 semester hours. Permission to take more than this amount will be given only when a student makes an average grade of 85 the preceeding semester.

All students taking less than 12 hours work each week must pass in all the work taken to meet the standards of the College. Students taking 12 or more hours per week must pass a minimum of 9 hours work to remain in school. If, at the end of any grade period, a student has failed to pass this amount of work, he will be placed on probation and will be given until the end of the next grade period to raise his grades to the passing level in the required number of hours of work. Failure to do this will result in the student's name being dropped from the college rolls.

### Attendance

Students are expected to attend classes regularly. The first three absences in each class are excused and for each unexcused absence thereafter a deduction of three points will be made from the semester grade of each course in which the excessive absences occur. Excusable absences will be those resulting from illness or emergencies arising in the family. Application for excused absences must be made within two days after returning to class.

More than three unexcused absences from a class in one semester will result in the dropping of the student from the class with a grade of F. To be readmitted to the class, the student must have special approval from the Dean.

Three unexcused tardies will be counted as one unexcused absence.

### Adding and Dropping Courses

After official registration a student may add a course only with the approval of the registrar's office. A late registration fee will be charged. No course may be added after the sixth working day of the semester.

A student may, for good cause, drop a course with the consent of the registrar's office. A student who drops a course after the twelfth week of any semester for reasons other than withdrawal from the College will be given an

F in the course. If a course is dropped at any time without the consent of the registrar or dean, an F will be given in the course.

A charge of \$1.00 will be made for adding or dropping a course after the official days of registration.

#### Withdrawing

If a student withdraws from college during the first week after enrollment, a full refund of tuition is made. If the withdrawal occurs during the second or third week, one half of the tuition paid is refunded. If withdrawal is made after the third week, no refund is made. No refund will be made for fees paid.

If, for any reason, a student drops a course or withdraws from college without properly notifying the registrar's office and securing clearance cards from all instructors and librarian, a grade of F will be given in each course the student is pursuing. No refunds will be made if courses are dropped without giving notice to the registrar's office and securing clearance cards from instructors and the librarian.

#### Classification of Students

A student who has completed less than 24 semester hours of work is classed as a freshman. A student who has completed less than 60 semester hours of work but more than 24 is classed as a sophomore. A student who is enrolled in one or more college classes but who is not eligible to receive credit toward graduation is classed as a non-credit or special student.

#### Evening Classes

Classes will be held in the evenings during the 1947-48 school year for courses for which there is sufficient demand. The evening classes will be offered for the convenience of those students who desire to attend college part-time and for those who wish to supplement the regular day classes with additional work. The same entrance condition must be met for students attending classes during the day and students attending classes during the evening. Preparation, classroom work, etc. will be the same for day and evening classes.

#### Housing and Food

When possible, the College will assist students in securing suitable living quarters in Odessa. Please apply for this assistance immediately.

A modern cafeteria will be operated by the school. Noon meals may be purchased here at reasonable prices.

#### Transportation

Students living in Ector County may ride school buses free of charge when convenient.

#### Numbering of Courses

Courses are numbered with three digits: the first indicating the rank of the course or the year in which it is to be taken (that is, freshman or sophomore); the second digit, the value in semester hours; and the third digit, the sequence in which the course should be taken. In courses where no special sequence has to be followed, the third digit is 0, 5, 6, 7, 8, or 9.

#### Grades and Values

Grade	Value
A	90-100
B	80-89
C	70-79
D	60-69
E	50-59
F	Below 50

To receive credit for a course it is necessary to earn a grade of not less than D.

A grade of E may be raised to D and credit secured for the course in one of two ways: (1) by special work, approved by the instructor and the dean, followed by an examination; (2) by good work the following semester. In less than D.

courses continuing beyond one semester when an E grade is made, the instructor at the end of the following semester may, if in his opinion the circumstances warrant and with the approval of the dean, raise an E to a D because of at least a C grade being earned in the following semester. An E grade earned during the second semester of work can be removed only by repetition of the course. A grade of F can be raised to a passing grade only by repeating the course.

### Reports

Reports of the class standing of each student will be made for the dean at the end of the first 9 weeks of each semester. These grades are temporary and indicate the scholastic standing of the student at that time. The permanent grades will be given after the final examinations at the end of each semester.

### Examinations

Examinations may be given throughout the semester at the discretion of the individual instructors. Each course will be closed at the end of the semester by an examination, but final credit toward graduation will not be given in a full year course until the entire course has been successfully completed. Exemptions may not be given. Students will not be permitted to take mid-semester or final examinations until they have met all financial obligations to the college and clearance cards have been secured from the office.

### Guidance

A program of individual guidance will be carried on through a system of counselors. Each member of the faculty will be assigned several students for whom the faculty member acts as counselor. Students will look to their counselor in cases of administrative or scholastic difficulties and for friendly guidance in vocational and avocational interests, extra-curricular participation, social life, and personal matters. The counselor will be provided in order that the student may have a friendly adult to give him understanding guidance as it is needed.

### Discipline

Students eligible to enter college are familiar with the rules of conduct governing ladies and gentlemen and they will voluntarily observe these rules as a matter of training and habit. Students who enter college without any serious purpose and whose work is unsatisfactory will not be permitted to remain. A student may be dropped in one or all classes for misconduct or for consistently poor work.

### Requirements for Graduation

All entrance requirements must have been met and 60 semester hours of work passed with an average grade of 75 before a student will be approved for graduation from the Odessa Junior College. Of the 60 hours work required 24 must be in residence and at least 18 hours must be second year courses.

Number of subject matter hours required for graduation:

12 semester hours English

6 semester hours Science or Mathematics

6 semester hours Social Science, 3 semester hours of which must be Government.

Students must make application for graduation and pay graduation fees at the beginning of the semester before the student expects to graduate.

### Student Council and Organizations

In order that the college may meet the needs of the students outside of the college curriculum, various organizations will be formed. All clubs and organizations must be approved by the dean and must be properly supervised by faculty sponsors. No fraternities or sororities will be approved. Although participation in the student activities will be encouraged, students will be continually reminded that their scholastic record is of primary importance.

So as to promote the ideals of intelligent self-direction and to further the spirit of unity and cooperation in the extra-curricular activities, the student body will elect officers for the Student Council each year. The officers will include a president, vice-president, presidents from both freshman and sopho-

more classes, representatives elected from each class, and a faculty sponsor. The primary duties of the Student Council include promoting extra-curricular activities and building a pleasant atmosphere and college spirit.

The officers of the Student Council must meet the approval of the college faculty and must maintain an average grade of not less than C.

### CURRICULA OF THE COLLEGE

The courses below are suggested for preparatory work for those students who plan to transfer to a senior college and complete requirements for a B. A. or a B. S. degree.

Preparatory courses suggested for a major in ARTS AND SCIENCES:

#### FIRST YEAR

English 131-132.....	6 hours
Natural Science.....	6 hours
Mathematics 131-132.....	6 hours
History.....	6 hours
Foreign Language.....	6 hours

Suggested courses for PRE-LAW:

English 131-132.....	6 hours
History 133-134.....	6 hours
Mathematics 131-132.....	6 hours
Foreign Language.....	6 hours
Biology 131-132.....	6 hours

#### SECOND YEAR

English 231-232.....	6 hours
Government 231-232.....	6 hours
Foreign Language.....	6 hours
Natural Science.....	6 hours
Speech or Social Science.....	6 hours

English 231-232.....	6 hours
Chemistry 141-142.....	8 hours
History 231-232.....	6 hours
Economics 231-232.....	6 hours
Bus. Adm. 243-244.....	8 hours
Government 231-232.....	6 hours

Suggested courses in BUSINESS ADMINISTRATION leading to B. B. A.:

English 131-132.....	6 hours
Sec. Sc. 131-132.....	6 hours
Bus. Admin. 101-102.....	0 hours
Sec. Sc. 101-102 or 211 and 212.....	0 hours
Mathematics 133-134.....	6 hours
Natural Science.....	6 hours

English 231-232.....	6 hours
Bus. Adm. 241-242.....	8 hours
Government 231-232.....	6 hours
Economics 231-232.....	6 hours
History or Foreign Language	6 hours
Electives.....	4 hours

Suggested courses for PRE-DENTAL:

English 131-132.....	6 hours
Chemistry 141-142.....	8 hours
Biology 131-132.....	6 hours
Mathematics 131-132.....	6 hours
Electives.....	6 hours

English 231-232.....	6 hours
Government 231-232.....	6 hours
Physics 141-142.....	8 hours
Psychology.....	6 hours
History 231-232.....	6 hours

Suggested courses for a major in JOURNALISM:

English 131-132.....	6 hours
Foreign Language.....	6 hours
Mathematics 131-132.....	6 hours
Natural Science.....	6 hours
History 133-134.....	6 hours

English 231-232.....	6 hours
Foreign Language.....	6 hours
Economics 231-232.....	6 hours
Government 231-232.....	6 hours
History 231-232.....	6 hours

Suggested courses for PRE-MEDICAL:

English 131-132.....	6 hours
Biology 131-132.....	6 hours
Chemistry 141-142.....	6 hours
Foreign Language.....	6 hours
Mathematics 131-132.....	6 hours

English 231-232.....	6 hours
Physics 141-142.....	8 hours
Government 231-232.....	6 hours
Foreign Language.....	6 hours
Mathematics 241-242.....	8 hours

Suggested courses for PRE-TECHNICIAN:

English 131-132.....	6 hours
Chemistry 141-142.....	8 hours
Mathematics 131-132.....	6 hours
Biology 131-132.....	6 hours
Social Science.....	6 hours

English 231-232.....	6 hours
Government 231-232.....	6 hours
Physics 141-142.....	8 hours
Foreign Language.....	6 hours
Psychology 231-232.....	6 hours

Preparatory courses suggested for a major in SOCIAL SCIENCE:

English 131-132.....	6 hours
Foreign Language.....	6 hours
Sociology 131-132.....	6 hours
History 131-132.....	6 hours
History 133-134.....	6 hours

English 231-232.....	6 hours
Natural Science.....	6 hours
Government 231-232.....	6 hours
History 231-232.....	6 hours
Economics 231-232.....	6 hours

Preparatory courses suggested for a major in ENGINEERING:

English 131-132.....6 hours	English 231-232.....6 hours
Chemistry 141-142.....8 hours	Government 231-232.....6 hours
Mathematics 131-132-123.....8 hours	Mathematics 241-242-243.....12 hours
History.....6 hours	Economics 231-232.....6 hours
Physics 141-142.....6 hours	

Preparatory courses suggested for a major in SPEECH:

English 131-132.....6 hours	English 231-232.....6 hours
Foreign Language 13.....6 hours	Foreign Language.....6 hours
Speech 131-132.....6 hours	Speech 231-232.....6 hours
Social Science.....6 hours	Government 231-232.....6 hours
Mathematics.....6 hours	Natural Science.....6 hours
	Economics.....3 hours

Preparatory courses suggested for students seeking TEACHERS' CERTIFICATES:

English 131-132.....6 hours	English 231-232.....6 hours
Education 131-132.....6 hours	Government 231-232.....6 hours
Natural Science.....6 hours	History 231-232.....6 hours
Speech 131-132.....6 hours	Education 231-232-233.....9 hours
	Psychology or Sociology.....6 hours

**Business Certificates**

The Odessa Junior College offers to those students who successfully complete the prescribed work a Business Certificate. The students must maintain an average of at least 75 in all business courses, must pass a final examination, and must be recommended by the instructors of the business courses.

**One Year Business Certificate**

English 131-132.....6 hours
English 130.....3 hours
Secretarial Science 131-132.....6 hours
Business Administration 101-102
or 141-142.....0 hours
Secretarial Science 101-102
or 211-212.....0 hours
Mathematics 133 or 134.....3 hours
Elective: Natural Science, B. A.....6 hours
243-244, or History.....6 hours

**Two Year Business Certificate  
Freshmen**

English 131-132.....6 hours
English 130.....3 hours
Secretarial Science 131-132.....6 hours
Business Administration 101-102
or 142-142.....0 hours
Secretarial Science 101-102
or 211-212.....0 hours
Mathematics 133 or 134.....3 hours
Electives.....3 hours

**Sophomore**

English 231-232.....6 hours
Secretarial Science 211-212*.....2 hours
Secretarial Science 231.....3 hours
History 231-232 or
Government 231-232.....6 hours
Economics 231-232.....6 hours
Business Administration 243-244.....8 hours
Business Administration 141-142*.....8 hours

\*May be taken either Freshman or Sophomore year.

**COURSES OF INSTRUCTION**

**DEPARTMENT OF BUSINESS ADMINISTRATION**

101 TYPEWRITING                      Secretarial Sciences                      50-59

A typing course designed for beginners. Instructions include a mastery of the standard typewriter keyboard by the touch system; an introduction

to letter writing, rough draft work, tabulation, and manuscript writing; speed, accuracy, and rhythm drills.

102 TYPEWRITING Non-Credit  
Continuation of S. S. 101.

211 ADVANCED TYPEWRITING AND BUSINESS MACHINES 1 semester hour  
Prerequisite: S. S. 101 and 102 or two years high school credit in typewriting.

This course is offered to those students who desire to join speed and a knowledge of business forms. It is a comprehensive course in advanced copy work which include practice work in the typing of legal documents, rough drafts, payrolls, invoices, business letters, telegrams, carbon copies, addressing of envelopes, manuscript work, cutting of stencils, and other typewriting problem which arise in the business world. In addition to the typewriting work this course is also designed to teach the fundamental operations of the mimeograph, mimeoscope, calculator, adding machine, dictaphone, and gelatin duplication process.

212 ADVANCED TYPEWRITING AND BUSINESS MACHINES 1 semester hour  
Continuation of S. S. 211.

131 STENOGRAPHY 3 semester hours  
Prerequisite: A knowledge of typewriting or S. S. 101 and 102 may be taken concurrently.

This course is designed for those students who wish to learn Gregg Shorthand. An intensive study of the principles of writing shorthand in addition to intensive vocabulary building, elementary dictation, and transcription with a view to increasing accuracy and building speed is emphasized.

132 STENOGRAPHY 3 semester hours  
Continuation of S. S. 131.

231 ADVANCED STENOGRAPHY 3 semester hours  
Prerequisite: S. S. 131 and 132 or two years of high school credit in Secretarial Training.

The purpose of this course is to increase speed and accuracy in shorthand, typing, and transcription. A student should be able to acquire a speed of approximately 100-120 words per minute in shorthand at the close of the second semester.

232 ADVANCED STENOGRAPHY 3 semester hours  
Continuation of S. S. 231.

The following course offered in another department is recommended for students who plan to major in Secretarial Sciences:  
English 130.

#### Business Administration

101 BOOKKEEPING Non-Credit  
A basic study is made in bookkeeping designed to give the student a knowledge of journals, ledgers, columnar books, controlling accounts, depreciation, reserve funds, accruals, and financial statements. This is an introductory course and no previous study of bookkeeping is necessary.

102 BOOKKEEPING Non-Credit  
Continuation of B. A. 101.

241 PRINCIPLES OF ACCOUNTING 4 semester hours  
Prerequisite: Sophomore standing or individual approval.

This course presents an introduction to the principles of accounting for sole proprietorships, partnerships, and corporations; accounting for manufacturing and job orders; financial statements and their analysis; and the complete accounting cycle. Three practice sets are worked during the year. Six hours are required per week for recitation and laboratory class work.

242 PRINCIPLES OF ACCOUNTING 4 semester hours  
Continuation of B. A. 241

243 BUSINESS LAW 4 semester hours  
Prerequisite: Sophomore standing.  
A study is made of the legal implications of the average business tran-

saction. Special attention is given to the laws of contracts, agency, bailments, sales, negotiable instruments, private property, insurance, partnerships, and corporations.

- 244 BUSINESS LAW 4 semester hours  
Continuation of B. A. 243.  
The following courses offered in other departments are recommended for students who plan to major in Business Administration:  
Mathematics 133 and 134  
Economics 231 and 232.

#### DEPARTMENT OF EDUCATION

The courses offered in the Department of Education are designed to acquaint the student with the development of public schools; to introduce the students to the present-day curriculum, methods, and management of schools; and to offer an opportunity for prospective teachers to receive experience in practice teaching.

- 131 INTRODUCTION TO PSYCHOLOGY OF EDUCATION 3 semester hours  
A study of the psychology of education, including the aims and needs of education. A discussion is made of the principles and theories of learning and teaching.
- 132 METHODS AND MANAGEMENT 3 semester hours  
A comprehensive study of the selection of teaching materials and the best methods of presentation. Problems confronting the beginning teacher are emphasized. Observation of actual classroom situations will be made.
- 231 CURRICULUM, PRINCIPLE, AND DEVELOPMENT 3 semester hours  
Prerequisite: Sophomore standing.  
In this course a study is made of the basic principles underlying the organization of the curriculum, various plans of organization, relation of the school to the community, and the aims of the elementary and secondary curriculum.
- 232 CURRICULUM CONTENTS AND METHOD 3 semester hours  
Prerequisite: Sophomore standing.  
This course emphasizes the selection of subject matter, methods and teaching procedure, grading, and the evaluation of instructions. Observation and practice teaching studied. Special reference given to elementary and junior high school subjects.
- 233 PRINCIPLES OF SECONDARY EDUCATION 3 semester hours  
Prerequisite: Sophomore standing.  
This course embodies a brief consideration of methods of high school teaching, handling discipline problems, and organization and presentation of subject matter. This course is especially designed for students who expect to teach in smaller high schools.

#### DEPARTMENT OF ENGLISH

- 130 BUSINESS ENGLISH 3 semester hours  
A practical course designed to give students majoring in Secretarial Science or Business Administration special training in business and professional terminology, spelling, punctuation, vocabulary building, grammar, and sentence structure as applied to the writing of effective business letters.
- 131 RHETORIC AND COMPOSITION 3 semester hours  
The aim of this course is to study the essentials of correctness and effectiveness in the mechanics of writing and speech. Text studies, weekly themes, and collateral reading required.
- 132 RHETORIC AND COMPOSITION 3 semester hours  
Prerequisite: English 131.  
Continuation of English 131.  
Selected types of literature are studied. Clearness and effectiveness are stressed in composition work. Individual conferences, supplementary readings, and weekly themes required.

- 135 **BASIC COMPOSITION AND RHETORIC** 3 semester hours  
 This course is comparable with English 131 except for a more intensive study of grammar. It is designed especially for those students who are weak in grammar and for those students who did not complete four years of high school English.  
 Credit will not be given for both English 131 and 135.
- 231 **SURVEY OF ENGLISH LITERATURE** 3 semester hours  
 Prerequisite: English 131 and 132.  
 Chiefly a study of the literature masterpieces from Beowulf to the present time. Collateral readings and term themes required.
- 232 **SURVEY OF AMERICAN LITERATURE** 3 semester hours  
 Continuation of English 231.  
 Consists of a general survey of American Literature from the Early Colonial Period to the present time. Collateral readings and term themes required.

## DEPARTMENT OF FOREIGN LANGUAGES

### Spanish

- 131 **BEGINNERS SPANISH** 3 semester hours  
 A course designed for those who have not studied Spanish previously. Special emphasis is placed on grammar, pronunciation, and conversation on materials in the reading selections. Pictures are used for object lessons.
- 132 **BEGINNERS SPANISH** 3 semester hours  
 Continuation of Spanish 131.
- 231 **ADVANCED SPANISH** 3 semester hours  
 Prerequisite: Spanish 131 and 132 or two years of high school credit in Spanish.  
 Emphasis is placed on pronunciation, advanced conversation, and reading the Spanish language. Much of the course is conducted in Spanish.

### French

- 131 **BEGINNERS FRENCH** 3 semester hours  
 This course is designed for those students who have not earned any credit for French. Emphasis is placed on pronunciation, phonetics, grammar, and reading the French language.
- 132 **BEGINNERS FRENCH** 3 semester hours  
 Continuation of French 131.

### German

- 131 **BEGINNERS GERMAN** 3 semester hours  
 A course in beginners' German, which emphasizes the study of pronunciation, reading, grammar, and conversation of the German language.
- 132 **BEGINNERS GERMAN** 3 semester hours  
 Continuation of German 131.

## DEPARTMENT OF MATHEMATICS

Notice: Not more than 6 semester hours of credit will be given for the following courses: Mathematics 131, 132, 133, and 134.

If a student desires to study engineering he must have 1½ units in high school algebra and 1 unit in plane geometry.

Mathematics 133 and 134 are recommended for students of commercial and vocational subjects.

Mathematics 133 is recommended for those students who have only 2 credits in high school mathematics and who do not intend to specialize in mathematics. If a student does not desire Mathematics 131 or 134, it is recommended that he take 133.

### Mathematics

- 131 **COLLEGE ALGEBRA** 3 semester hours  
 A general review is made of all topics of elementary algebra followed by a study of functions, progressions, determinants, mathematical induction, binomial theorem, complex numbers, permutations, combinations, probability, annuities, inequalities, derivatives, and theory of equations.

- 132 PLANE TRIGONOMETRY 3 semester hours  
A study of trigonometric functions, formulas, applications of variations of functions with changes in angles, trigonometric equations, identities, logarithms, solution of right and oblique triangles, inverse functions, and an introduction to spherical trigonometry.
- 123 COLLEGE ALGEBRA FOR ENGINEERS 2 semester hours  
Prerequisites: 1½ units of high school algebra, 1 unit of plane geometry, and Mathematics 131.  
A study of advanced topics in college algebra as theory of equations, solution of general third and fourth degree equations, complex numbers, partial fractions, infinite series, method of least squares, and related topics.  
Designed especially for students who plan to major in Engineering.
- 133 GENERAL MATHEMATICS 3 semester hours  
Designed for those students who do not intend to take mathematics after their freshman year and who have only one credit in high school algebra. This course should equip the student to meet the general mathematical needs of society. It deals with recognition and use of quantitative data in solution of consumer and social problems as taxes, interest, insurance; use of maps and charts for weather and air travel; and use and interpretation of various forms and graphs.
- 134 MATHEMATICS OF FINANCE 3 semester hours  
An elementary application of mathematics to problems of basic calculations, logarithms, simple and compound interest, and installment buying and selling. A study of compound interest, amortization, sinking funds, life insurance, annuities, stocks and bonds, and elementary statistics.
- 135 SOLID GEOMETRY 3 semester hours  
A study of three dimensional figures such as cubes and spheres. If a student has had solid geometry in high school, he is not eligible to receive credit for this course.
- 231 ANALYTIC GEOMETRY 3 semester hours  
Prerequisite: Mathematics 131 and 132.  
A study of the algebraic solution of geometric problems by the plane graphical representation of points, lines and curves; and transformation of coordinates, polar coordinates, transcendental curves, parametric equations and their applications.
- 232 DIFFERENTIAL CALCULUS 3 semester hours  
Prerequisite: Mathematics 231.  
The study of variations of functions with respect to changes in the independent variables by means of the concepts of the derivative and differential, the application of this theory to the slopes of curves, non-uniform velocities, accelerations, and forces, approximations of maximums and minima values of functions.
- 233 INTEGRAL CALCULUS 3 semester hours  
Prerequisite: Mathematics 232.  
A study of integrations and their application to finding areas, volumes, centroids, equations of curves and solution of differential equations.
- 235 DESCRIPTIVE GEOMETRY 3 semester hours  
Prerequisite: Mechanical Drawing 131 and 132.  
A study of the theory of orthographic projection. Problems relating to points, lines, planes, intersections of solids, and development of surfaces. Engineering applications will be taken up.

#### Mechanical Drawing

- 131 MECHANICAL DRAWING 3 semester hours  
Care and use of drawing instruments, freehand lettering, geometric construction, general drafting principles, drawing plates, and reading blue prints.
- 132 MECHANICAL DRAWING 3 semester hours  
Continuation of Mechanical Drawing 131.  
Includes orthographic, auxiliary, isometric and cabinet projection dimensioning, and developments.

## DEPARTMENT OF NATURAL SCIENCE

### Biology

- 131 GENERAL BIOLOGY 3 semester hours  
Plant and animal life will be considered concurrently. Metabolism of both plants and animals will be stressed. The structure and life history of both Protozoa and Metazoa will be studied. Two lecture hours and four laboratory hours per week.
- 132 GENERAL BIOLOGY 3 semester hours  
Continuation of Biology 131.  
In this course there will be emphasis on such topics as the adjustment of organization to their environment, reproduction of plants and animals, heredity, and the relations of biology to human welfare. Other subjects to be discussed include microorganisms, disease, parasitic worms, insects injurious to plant and animal life, and insects beneficial to mankind.

### Chemistry

- 141 GENERAL INORGANIC CHEMISTRY 4 semester hours  
A study of the more common elements together with some of their compounds will be emphasized in this course. Fundamental laws and theories will be stressed. An effort will be made to correlate the works with every day experiences of the students. Three lectures and four laboratory hours per week.
- 142 GENERAL INORGANIC CHEMISTRY 4 semester hours  
Continuation of Chemistry 141.  
The latter part of the term will be given to organic compounds and to qualitative analysis.

### Physics

- 141 GENERAL PHYSICS 4 semester hours  
For students who intend to continue the study of science, mathematics, or medicine.  
Mechanics and heat are considered from the point of both household and engineering physics. Three lectures and three laboratory periods per week.
- 142 GENERAL PHYSICS 4 semester hours  
Continuation of Physics 141.

## DEPARTMENT OF SOCIAL SCIENCES

### History

- 131 HISTORY OF WESTERN CIVILIZATIONS 3 semester hours  
A survey course in social, economic, and political developments in Medieval and Modern Europe. Special emphasis is placed on the Renaissance, Protestant Reformation, overseas expansion during the sixteenth and seventeenth centuries, the struggle for parliamentary government in England, the French Revolution, and the Napoleonic period.
- 132 HISTORY OF WESTERN CIVILIZATIONS 3 semester hours  
Continuation of History 131.  
This course includes a study of the results of Napoleon's overthrow, the development of nationalism and democracy during the nineteenth and twentieth centuries, economic development, territorial expansion, reasons and outcome of World War I and World War II, and post-war problems and prospective solutions.
- 133 HISTORY OF ENGLAND 3 semester hours  
A survey of the origin and the political, social, and industrial development and spread of English civilizations from Roman and Anglo-Saxon times.  
This course is required for pre-law students and recommended for those majoring in English.
- 134 HISTORY OF ENGLAND 3 semester hours  
Continuation of History 133.  
A survey of the history from 1689 to the present time.
- 231 HISTORY OF THE UNITED STATES 3 semester hours  
Prerequisite: Sophomore standing.

The discovery, establishment, and growth of the English colonies; their relations with Britain; the Revolution; the Confederation, the Constitution; the growth of Nationality; westward expansion; slavery; the Civil War; reconstruction; economic, political, and social development; and international relations.

- 232 HISTORY OF THE UNITED STATES 3 semester hours  
Continuation of History 231.

A study is made of the growth of big business and the accompanying problems, American imperialism, causes and results of World War I, causes of World War II, participation of the United States in World War II, and the present postwar adjustments and prospective solutions.

- 233 HISTORY OF TEXAS 3 semester hours  
Prerequisite: Sophomore standing.

This is a survey course in the history of Texas. Topics stressed include: European approach to Texas, Spanish and French rivalry, exploration and control, Anglo-American colonization, relations with Mexico, the Texas Revolution, Texas as a Republic, annexation, statehood, reconstruction, and other political and economic developments.

This course is designed to fit the needs of those students preparing themselves as teachers in the public schools of Texas.

#### Government

- 231 AMERICAN GOVERNMENT 3 semester hours  
Prerequisite: Sophomore standing.

Study is made of the development and operation of national, state, and local political institution in the United States. Special stress is placed on the constitutions of the United States and that of Texas. Various important Supreme Court decisions are studied.

Required for graduation from the Odessa Junior College.

This course fulfills the legislative requirements for six hours in American Government for a certificate or a degree.

- 232 AMERICAN GOVERNMENT 3 semester hours  
Continuation of Government 231.

- 233 COMPARATIVE GOVERNMENT 3 semester hours  
Prerequisite: Sophomore standing.

An introductory course in the study of government, placing stress on the fundamental elements of political science and presenting a comparative study of the central and local governments of the leading nations of the world with special emphasis upon the government of England and the principal European states.

#### Economics

- 231 ECONOMIC PRINCIPLES AND PRACTICES 3 semester hours  
Prerequisite: Sophomore standing.

A study of the economic activity of the present in comparison with that of the past. The study of government and its relation to business and economics.

- 232 ECONOMIC PRINCIPLES AND PRACTICES 3 semester hours  
Continuation of Economics 231 with advanced study of specific problems. Students will develop special projects.

#### Psychology

- 231 GENERAL PSYCHOLOGY 3 semester hours  
Prerequisite: Sophomore standing.

Includes a study of the basic fundamentals of human behavior. The nature, origin, development, and significance of individual personalities and differences will be examined.

- 232 APPLIED PSYCHOLOGY 3 semester hours  
Prerequisite: Sophomore standing.

This course emphasizes a study of the psychological principles and the psychological methods which are most important in the practical control of human behavior. The application of the principles of psychology in everyday life.

## Sociology

- 131 **SOCIOLOGY** 3 semester hours  
A study is made of the community: its structure, human relationships, elements and processes of social integration, social changes, society, and the individual person.
- 132 **SOCIOLOGY** 3 semester hours  
Continuation of Sociology 131.

## DEPARTMENT OF SPEECH

- 131 **FUNDAMENTALS OF SPEECH** 3 semester hours  
This course is designed to give instructions in general speech education. It includes training in the development of a clear, pleasant, and forceful voice; a study of the speech mechanism; correct posture; proper breathing habits; and practical training in public speaking.
- 132 **FUNDAMENTALS OF SPEECH** 3 semester hours  
Continuation of Speech 131
- 231 **DRAMATIC ART** 3 semester hours  
Prerequisite: Sophomore standing.  
The purpose of this course is to give instruction in stage technique, make-up, costuming, lighting, backstage organization, plays for class production, and the principles of dramatic interpretation and characterization.
- 232 **REHEARSAL AND DRAMATIZATION** 3 semester hours  
Prerequisite: Speech 231.  
General instructions in the direction and production of plays.

## STUDENTS ENROLLED

1946-47

Albright, Donald Winter	Crockett, Dale Richard (Penwell)
Amis, Tommie Gene (Pyote, Texas)	Cummins, Mrs. Ruth Imogene
Anderson Thomas Harry	Cunningham, Rotha Frances
Andrews, Alan A.	Curry, Mrs. Mary Ball
Arnot, Roy W.	Davis, Billy Wayne
Asher, J. B.	Deer, Donald Ambro
Barrere, Jewel	DeLaney, Mrs. Lucy E.
Bates, Bruce L. (Siloam Springs, Ark.)	Dozier, Robert E.
Bates, Lewis Irving	Drexel, Jerrold A. (Goldsmith)
Beaver, Howard Jr.	Drinkard, H. Victor
Berry, Ray	Duzan, LaVada Anne
Biffle, Roy L. (Penwell, Texas)	Earnshaw, Estelle Joy
Bishop, Theodore Mannon	Earnshaw, Mrs. Linda
Bonds, John Marvin	Edwards, James Robert
Booher, C. L.	Ensey, Minyard
Bower, Alvis R.	Euell, Floyd Dallas
Boyd, Billie Faye	Fair, H. Kay
Bridges, Howard Leon (Penwell)	Fernandes, Larry Leonard
Broughton, Margaret Heartsill	Ford, Max L.
Campbell, Edwin Dean	Ford, Oleta Mae
Bue, Benedict (Pleasantville, Pa.)	Freeman, Darrel
Campbell, Marjorie L.	Galyon, Maxine Marie
Carroll, Kenneth Lee (Penwell)	Germany, John Clark
Carter, Charles Jr.	Gleyre, Herbert Ronald
Childers, Robert A.	Glosson, Alice Louise
Clark, Jeanette	Gossett, Charles
Cleveland, James Arthur	Grant, Jack (Ridgefield, Wash.)
Coats, Charles Oris Jr.	Graves, Dorman Dee
Colin, Robert Gene	Gross, Mrs. Lydia
Collins, Mrs. Pearl Scott	Hallmark, Charles
Cooper, Donald Eugene	Hammett, Cranford H.
Cox, Mrs. Ida Jane	Hammon, David R.
Cranfill, Richard Barry	Hanberry, Richard W.
Crockett, Bobby Lenard (Penwell)	

Harbison, Bob H.  
 Harlan, Lloyd R.  
 Harlan, Mrs. Lucille  
 Harris, Marion Stuart  
 Harris, Maureen Louise  
 Harris, R. L.  
 Hayes, Eva Jayne  
 Hayes, James A. (Titusville, Pa.)  
 Henry, Muriel E. (Penwell)  
 Hensley, John N. (Goldsmith)  
 Hicks, Joyce Gayle (Penwell)  
 Hill, Glenn Frank  
 Hitchcock, Otis Hays  
 Hobson, Mary Elizabeth  
 Holden, Francis Leo  
 Holman, Lois June  
 Horton, Grace Helen  
 Howard, William Elmer  
 Huber, Bill  
 Hurt, James Ratliff  
 Ivey, Zelma  
 Johnson, Don C.  
 Johnston, Meda Parker  
 Jones, George B.  
 Kelly, James Wm. (Midland, Texas)  
 Kuykendall, Nancy  
 Lawson, Dwyt Sterling  
 Lightfoot, Jack Charles  
 Luse, Worth K.  
 Lynn, Martin L.  
 McClellan, Pat Neff (Goldsmith)  
 McDonald, Ernest E.  
 McEntyre, J. R.  
 McGee, Clyde Ernest  
 McKelvey, E. C.  
 Martin, James Marshall Jr.  
 Massey, Uel A.  
 Mendenhall, Miriam  
 Miller, Jesse G.  
 Miller, O. Jack  
 Minyard, Homer  
 Morris, Mrs. Marjorie  
 Norberg, Betty Jane  
 Nunley, Terry E.  
 Orrell, J. B.  
 Owen, L. B. (Goldsmith)  
 Parsons, E. I., Jr.  
 Parsons, Sherrell Pratt  
 Pattillo, Ed Allen  
 Pavlas, Sidney J.  
 Payne, Leo E. (Tulsa, Okla.)  
 Phillips, Annie Latrelle  
 Phillips, Dorothy Alyne  
 Phillips, Joyce  
 Phillips, Margaret  
 Pierce, Diane  
 Pinner, Joseph Daniel  
 Potts, Calvin Conrad  
 Price, William H.  
 Pursley, Clairene  
 Ratliff, Mary Nan  
 Reddick, Frank Allen  
 Redding, Clarence Ross  
 Redding, Mrs. Pauline  
 Redwine, Mary  
 Rice, Helene Elaine  
 Richardson, Mildred Lorene  
 Roberts, Zelma Jo  
 Rogers, Billy Parks  
 Rogers, Elba Gaines  
 Rowland, John Irvin  
 Rush, James Bernard  
 Rushing, Alford L., Jr.  
 Saylor, Curtis LeRoy, Jr.  
 Schuessler, John Q. (Goldsmith)  
 Scott, Frances  
 Searls, Jim Gee  
 Shows, Dorris  
 Simmons, Stella Jo  
 Sinclair, Lura Doris  
 Sinclair, Mary Katherine  
 Smith, Cleatrice Laverne  
 Smith, Thomas Charles  
 Somerville, Ray Trask  
 Starnes, Donald Morris (Penwell)  
 Starnes, Mary Louise (Penwell)  
 Stevenson, Daphne  
 Sybesma, Mrs. Loraine  
 Tanner, Charles B. (Ardmore, Okla.)  
 Tatum, Robert Talmage  
 Terry, Wayne Allen  
 Terry, Wilma Jeanette  
 Thomas, Donald Quinn  
 Thompson, Maryland Virginia  
 Tucker, Nash Jr.  
 Tucker, Tommy  
 Turner, Bette Ruth  
 Turrentine, James  
 Waddell, Charles Norman (Seminole)  
 Wagnon, Mrs. Bobbie Jo  
 Wagnon, Joe Dan  
 Wagnon, Nona Carrol  
 Walker, Litsey  
 Waller, E. L.  
 Walter, Milton Herman  
 Welch, Hulen Granville  
 Wheat, Bill  
 Wilkinson, Jack Herbert  
 Willis, Frances  
 Willis, Robert Hardy  
 Willmon, Joe  
 Wilson, Wynona Maxine  
 Windham, James Robert  
 Wolfe, Duane D.  
 Wright, Herbert Dana  
 Wynn, Tommie Edith

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