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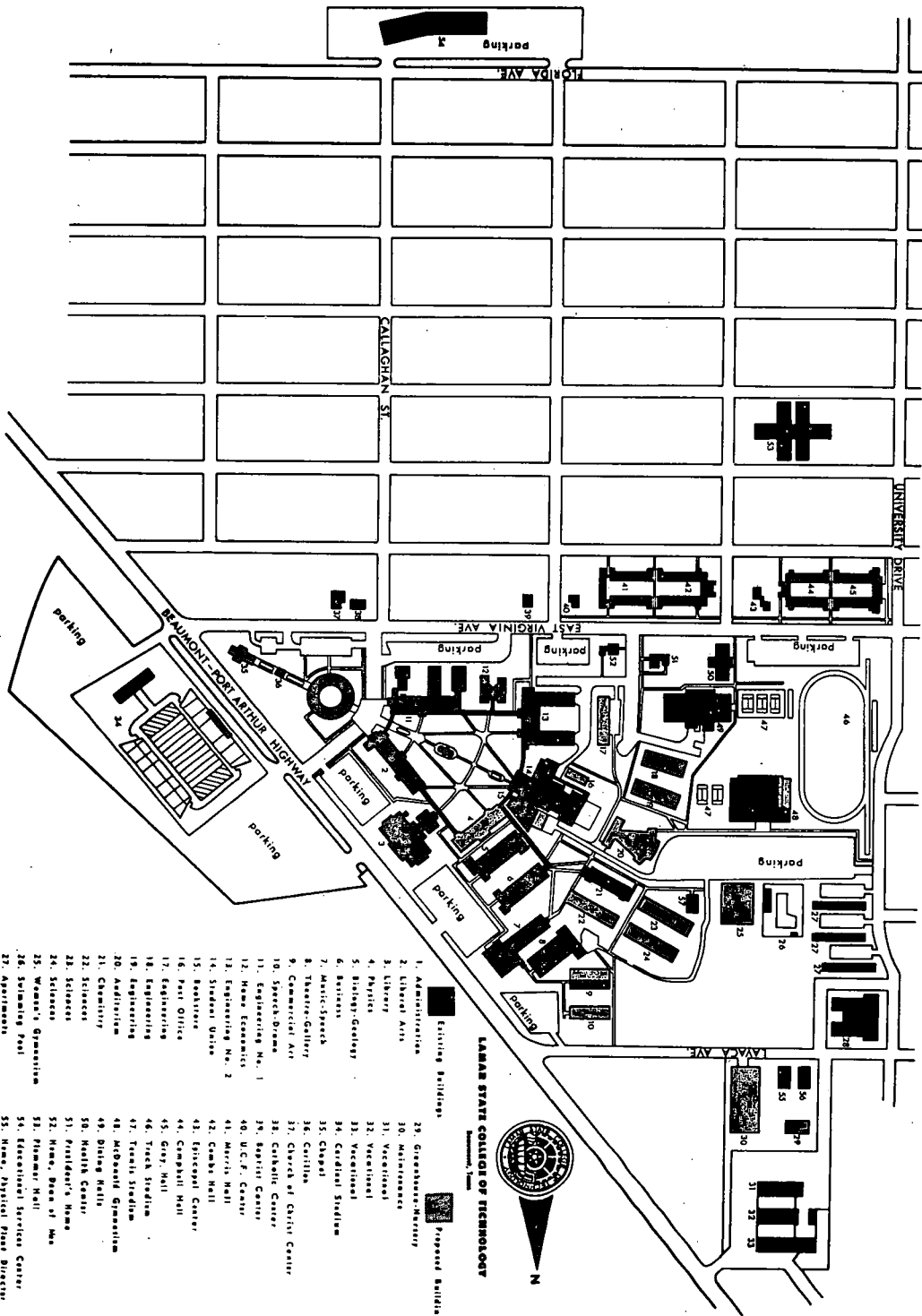
SUMMER SESSION

BULLETIN



Lamar State College of Technology

Beaumont, Texas



- Existing Buildings**
1. Administration
 2. Library Arts
 3. Library
 4. Physics
 5. Biology-Geology
 6. Business
 7. Music-Speech
 8. Theater-Gallery
 9. Commercial Art
 10. Speech-Drama
 11. Engineering No. 1
 12. Home Economics
 13. Engineering No. 2
 14. Student Union
 15. Bookstore
 16. Post Office
 17. Engineering
 18. Engineering
 19. Engineering
 20. Auditorium
 21. Chemistry
 22. Science
 23. Science
 24. Science
 25. Women's Gymnasium
 26. Swimming Pool
 27. Apartments
 28. Gentry Hall
- Proposed Buildings**
29. Grandstand/Theater
 30. Maintenance
 31. Vocational
 32. Vocational
 33. Vocational
 34. Cardinal Stadium
 35. Chapel
 36. Crucifix
 37. Church of Christ Center
 38. Catholic Center
 39. Baptist Center
 40. U.C.F. Center
 41. Morris Hall
 42. Camels Hall
 43. Episcopal Center
 44. Campbell Hall
 45. Gray Hall
 46. Track Stadium
 47. Track Stadium
 48. McDonald Gymnasium
 49. Dining Hall
 50. Math Center
 51. President's Home
 52. Home, Dean of Men
 53. Pinner Hall
 54. Educational Services Center
 55. Home, Physical Plant Director
 56. Home Management Cottage
 57. Office Building No. 1

LAMAR STATE COLLEGE OF TECHNOLOGY
 Houston, Texas



BULLETIN

of

LAMAR STATE COLLEGE OF TECHNOLOGY

Vol. XVI

APRIL, 1966

No. 9

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Association of Texas Colleges and Universities
American Council on Education
National Commission on Accreditation
Southern Association of Colleges and Schools
Association of American Colleges
Texas Association of Music Schools
American Society for Engineering Education
American Association of University Women
American Association of Colleges for Teacher Education
Approved by the Texas Education Agency
Approved for the Training of Veterans under all classifications
Departments of Chemical Engineering, Civil Engineering, Electrical
Engineering, Industrial Engineering, and Mechanical Engineering
accredited by Engineering Council
for Professional Development

Announcements for Summer Session, 1966

First Term-- June 6, 1966, through July 15, 1966

Second Term--July 18, 1966, through August 26, 1966

Lamar State College of Technology
Beaumont, Texas

LAMAR STATE COLLEGE OF TECHNOLOGY

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Room 102, Liberal Arts Building

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Room 103, Business Building
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FRANK A. THOMAS, JR., B. S., M. S., Ph. D., Dean, School of Engineering. . .
Room 101, El Engineering Building
M. L. McLAUGHLIN, B. S., M. Ed., Ed. D., Dean, Graduate School
Administration Building
E. E. MILLER, B. S., M. S., Director, Lamar School of Vocations
Room 105, Vocations Building

LAMAR STATE COLLEGE OF TECHNOLOGY

SUMMER SESSION, 1966

First Term

- June 5 Sunday . . . Limited operation of dormitories.
June 6 Monday . . . Registration, 8 a. m.
Registration--evening classes, 6 p. m.
June 7 Tuesday . . . Classes begin 7 a. m.
Late registration (penalty fee charged).
Payment of fees is a part of registration.
June 8 Wednesday . . . Last date for registration or for adding courses, 7 p. m.
June 10 Friday . . . Fourth Class Day
June 17 Friday . . . Last date for application for August graduation, 5 p. m.
June 27 Monday . . . Last date for dropping courses or withdrawing without
penalty, 7 p. m.
July 14-15 . . .
Thursday, Friday . . . First term finals
July 16 Saturday . . . Last date for reporting term grades to Registrar's office.
noon

Second Term

- July 18 Monday . . . Registration, 8 a. m.
Registration--evening classes, 6 p. m.
July 19 Tuesday . . . Classes begin, 7 a. m.
Late registration (penalty fee charged).
Payment of fees is a part of registration.
July 20 Wednesday . . . Last date for registration or for adding courses, 7 p. m.
July 22 Friday . . . Fourth Class Day
Aug. 8 Monday . . . Last date for dropping courses or withdrawing without
penalty, 7 p. m.
Aug. 25-26 . . .
Thursday, Friday . . . Second term finals
Aug. 27 Saturday . . . Commencement, 9 a. m.
Dining Hall and dormitories close, 10 a. m.
Last date for reporting term grades to Registrar's office,
8 a. m.

DIRECTORY FOR CORRESPONDENCE

To obtain prompt attention, address inquiries to the following persons or agencies:

- Academic Program Richard W. Setzer, Vice-President of Academic Affairs
- Academic Records and Transcripts Celeste Kitchen, Registrar
- Admissions and Testing Norris H. Kelton, Dean of Admissions
- Athletics J. B. Higgins, Athletic Director
- Books and Supplies James E. Raney, Manager, Bookstore
- Business Affairs H. C. Galloway, Comptroller
- Employment for Students Joe B. Thrash, Placement Office
- Evening School Jack Hill, Director
- Graduate School M. L. McLaughlin, Dean
- School of Arts and Sciences Edwin S. Hayes, Dean
- School of Business J. D. Landes, Dean
- School of Education W. Richard Hargrove, Dean
- School of Engineering Frank A. Thomas, Jr., Dean
- School of Fine and Applied Arts Ted Skinner, Dean
- School of Vocations E. E. Miller, Director
- Housing, Dormitory Reservations Ronald Hulin, Student Life Office
- Library Julia Plummer, Librarian
- Publications and Information R. E. Oliver, Director
- Research Center Lloyd B. Cherry, Director
- Scholarships David Bost, Dean, Student Life
- Student Activities J. Paul Pederson, Director
- Student Health Mrs. Ola Saunders, Health Center
- Student Loans Brian Sumrall, Loan Officer
- Teacher Certification Certification Officer, School of Education
- Tuition, Fees, Expenses Business Office
- Veterans' Affairs Joe B. Thrash, Placement Officer

ORGANIZATION OF THE COLLEGE

by

Schools and Departments

SCHOOL OF ARTS AND SCIENCES

(Bible)
Biology
Chemistry
English
Geology
Government
History
Modern Languages
Physics
Psychology
Sociology

SCHOOL OF BUSINESS

Accounting
Business Administration
Economics
Secretarial Science

SCHOOL OF ENGINEERING

Chemical
Civil
Electrical
Industrial
Mechanical
Mathematics

SCHOOL OF EDUCATION

Education
Home Economics
Physical and Health Education

SCHOOL OF FINE AND APPLIED ARTS

Commercial Art
Music
Speech

GRADUATE SCHOOL

Business
Chemistry
Education
Engineering
English
History
Mathematics

Note: Lamar also operates Lamar School of Vocations.
Its courses are described in a separate bulletin.

GENERAL INFORMATION

LOCATION

Lamar State College of Technology is a state-supported institution located in the center of industrial Southeast Texas at Beaumont. Principal industries in the area are oil refining, shipping, shipbuilding, rubber manufacturing, and chemical production. Surrounding the urban communities are ranches and rice farms.

The campus faces the Beaumont-Port Arthur Highway in southeastern Beaumont. With a population of approximately 120,000, Beaumont has modern schools, churches, and shopping districts to serve the thriving industrial community.

HISTORY

South Park Junior College was established in 1923. The college was organized and controlled by the South Park Independent School District, and classes were conducted in the South Park High School Building. Enrollment increased from about 125 in 1923 to 300 in 1931.

In 1932, the name of the institution was changed to Lamar College. At this time separate facilities were provided, additional equipment was purchased and new policies were instituted. By 1939, enrollment was approximately 640.

In 1940, Lamar Union Junior College District was created, and Lamar College was separated from the South Park Independent School District. Bonds were voted and new facilities were constructed on the site of the present main campus.

A movement to expand Lamar College into a four-year state-supported school culminated in the creation of Lamar State College of Technology on September 1, 1951. Since that time the curriculum has been expanded and liberalized to include many areas of study, and many additional facilities have been provided. Enrollment has increased until there are now over 9,000 students.

The College offered graduate work in specified fields beginning in the academic year of 1960-61.

ACCREDITATION

Lamar is accredited by the Association of Texas Colleges and Universities and the Southern Association of Colleges and Schools. It is also approved by the Texas Education Agency.

The departments of Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Council for Professional Development.

ACADEMIC INFORMATION

ADVANTAGES OF SUMMER SESSION

The summer session is an important part of the total education program offered by the College. Classes are taught by regular faculty members and all facilities normally used during the fall and spring semesters are available for summer school.

Academic courses include the same material as those offered during the regular semester.

There are many advantages to attending summer school classes for the high school graduate and for students previously enrolled in college.

1. For Entering Freshman

High school graduates concerned over the difficult transition from high school to college study can use summer school credits to lighten their academic load during their freshman year and eliminate some of the problems concerned with this transition period.

During the summer session, students normally enroll for two academic courses per session. This allows greater concentration on the subject matter areas which are most difficult for the entering student.

Those who have deficiencies in any given field can use the summer session to make up these deficiencies which will allow them to enter the normal curriculum pattern the next fall semester.

Others can make good use of summer school courses to enrich their programs through work which they otherwise might not be able to take.

Some students may wish to accelerate their graduation date through summer work. It is quite possible to shorten the academic period required for graduation by one or more semesters through repeated summer school attendance.

2. For Students Who Work

Students who plan to carry reduced academic loads during the regular sessions so that they may earn part of their expenses through employment can use the summer session to increase the total number of hours taken over a calendar year to what is normally expected of a full-time student.

3. Students Attending Other Colleges

Those who are regularly enrolled in other colleges but who reside in the area can use courses offered by Lamar to enrich their academic programs or to meet requirements at other institutions.

4. Students in Academic Difficulty

For those students who have failed to pass certain courses, who are on probation, or who have been suspended from Lamar State College for one term,

the summer session presents an opportunity to repair their academic record. Students that are suspended for one term from Lamar State College may attend the summer session without penalty. This does not apply to students who have been suspended from other colleges.

GENERAL REGULATIONS

The general regulations of the College apply to the summer session. Students should read all regulations regarding academic matters listed in the current catalog. A copy of this catalog may be secured from the Dean of Admissions.

ADMISSIONS

Graduate School requirements are listed in the Graduate Bulletin.

Qualifications for vocational training are outlined in the Lamar School of Vocations Bulletin.

Requirements for admission to the undergraduate program of the College are outlined briefly in the following sections and are given in more detail in the regular catalogue. Students seeking admission should study the requirements carefully. If it appears that the qualifications can be met, the procedure for making application for admission outlined on the inside of the back cover of this catalogue should be followed.

Requests for application forms and additional information should be directed to the Dean of Admissions, Lamar State College of Technology, Beaumont, Texas.

ADMISSION REQUIREMENTS

An applicant who has never attended college is required to be of good moral standing; to have graduated from an accredited high school with the units of credit specified in the regular catalogue; and unless graduation was prior to 1960, to submit Scholastic Aptitude Test (SAT) scores which meet the minimum requirement. A total score of 700 (Verbal plus Math) on the SAT is required for admission to any regular semester but an applicant whose score falls below 700 may be admitted on a provisional basis to the summer session. In order for a provisionally admitted student to be eligible for re-admission to the fall semester, he must (1) attend both summer terms, (2) complete 12 semester hours (selected from English, history, mathematics, or science and must include English 131), (3) pass all courses taken, and (4) earn 12 grade points ("C" average).

College transfers are required to be eligible to re-enter the last college attended and further, to have passed a minimum of 9 hours with 9 grade points (3-2-1-0), or, to have remained out of college for at least one regular semester. Applicants who are deficient more than 15 grade points on all work attempted will not be accepted.

Former students at the college who have subsequently enrolled at another institution are considered to be transfer students and are required to meet the above requirements in order to be re-admitted.

ENTRANCE TEST REQUIREMENT

The Scholastic Aptitude Test (SAT) of the College Entrance Examination Board is required of applicants entering from high school unless graduation was prior to 1960. Test scores are one of several factors considered in determining the candidate's qualifications for admission.

The SAT may be taken more than one time but if repeated, the test must be taken on one of the regular test dates when the SAT is administered nationally.

The Scholastic Aptitude Test is administered by CEEB at test centers throughout the United States and in many foreign countries in December, January, March, May, and July. Lamar State College is one of the testing centers. The location of all test centers, test dates, fees, application forms, and general information about the test is given in the CEEB booklet, Bulletin of Information - Scholastic Aptitude Test. The bulletin may be obtained without charge from high school counselors, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey. A copy of the booklet should be secured EARLY so that a convenient test date and site can be selected. Application to take the test and test fees are sent to CEEB, not to this College.

Failure to take entrance tests in advance may seriously delay admission and registration.

ADMISSION OF TRANSIENT STUDENTS FOR SUMMER WORK ONLY

Students attending another college who wish to enroll for the summer session only at Lamar may be admitted as transient students. A student accepted under this classification is required to submit the regular Application for Admission Form only. Transient students who later apply for regular admission must meet all entrance requirements.

Applicants not in attendance at another college during the spring semester immediately prior to the summer session will not be considered as transients and must apply as regular transfers.

REGISTRATION

Registration for the first term will be held on Monday, June 6, 1966, beginning at 8:00 a. m. Registration for evening classes will be on Monday, June 6, 1966, at 6:00 p. m. Classes begin on Tuesday, June 7th.

Registration for the second summer session will begin at 8:00 a. m., Monday, July 18, 1966. Registration for evening classes will be on Monday, July 18, 1966, at 6:00 p. m. Classes begin on Tuesday, July 19th.

STUDENT LOAD

No student will be permitted to register for more than eight semester hours in a given summer term or for more than fourteen semester hours for the complete summer session. Exceptions to this regulation may be made for seniors scheduled to be graduated at the end of current summer session. Such seniors may enroll for a maximum of fifteen semester hours during the complete summer session preceding their graduation.

ABSENCES

Regular and punctual attendance in classes and laboratories is required of all students. An absence is classified as approved or unapproved. A student having an approved absence may make up examinations, written assignments, reports, etc., without penalty. This privilege is not extended to those having unapproved absences.

Students absent because of personal reasons, sickness, etc., are to report such absences to all instructors concerned. These instructors may accept the offered reason or may require the student to report to the Dean of Women or the Dean of Men for an official classification of the absence. If the absence is classified as approved, the student will receive an approved absence permit from the office of the Dean.

CANCELLING COURSES

The College reserves the right to cancel any course enrolling an insufficient number of students (usually less than 10).

COMMENCEMENT

A student who completes all the requirements for a degree during either of the summer terms will have the degree conferred during the August commencement scheduled for Saturday, August 27.

FACILITIES.

BUILDINGS AND GROUNDS

Located on a campus of approximately one hundred acres and valued in excess of \$20,000,000, the Lamar plant includes many new and functional buildings of modern design. These structures include: the Administration Building, Art Building, Biology-Geology Building, Bookstore, Business Building, Chemistry Building, Dining Hall, Educational Services Building, Engineering I, Engineering II, Health Center, Home Economics Building, Lamar Theatre, Liberal Arts Building, Library, McDonald Gymnasium, Cardinal Stadium, a new 17,150-seat football stadium, Music-Speech Building, Student Union, Vocations I, Vocations II, Vocations III, and Women's Gymnasium. On-campus dormitories include Campbell Hall, Combs Hall, Gentry Hall, Gray Hall, Morris Hall, Plummer Hall, as well as three apartment buildings for married couples.

HOUSING

DORMITORIES

The dormitory housing program is part of the overall educational plan of the college. The Board of Regents has committed the college to maintaining full occupancy of all rooms in the dormitories. For these reasons, students at Lamar State College of Technology are required to live in one of the college dormitories and take their meals in the college dining hall.

The only exceptions to this regulation are:

- (1) Students who live with parents or relatives.
- (2) Married students who live with their wives or husbands.
- (3) Students whose health conditions demand special services.
- (4) Students whose part-time employment conflicts with the college meal service hours.
- (5) Students for whom no housing is available when all dormitories have been filled. In such cases, these students will be permitted to live in approved housing off campus until the beginning of a semester in which dormitory space becomes available.

The Dean of Men and the Dean of Women will review all requests for permission to live off campus. The college reserves the right to require campus residence of any student. A student who gives a false residence address or a false statement that he is living with relatives will be subject to suspension.

Dormitories for both men and women are ultra-modern residence halls, each three stories high. Each floor houses 36 students, organized into units for purposes of self-government, intramural athletics, and social life. Students live in suites for six. Each suite consists of two large bedrooms, two study rooms, and bath. Each room has a dial telephone for inter-campus and Beaumont calls.

The Dining Hall serves three meals per day except on Sundays when only breakfast and lunch are served.

RESERVATIONS

To reserve a room in the dormitories, direct a request to the Assistant to the Dean of Student Life, Lamar State College of Technology, Beaumont, Texas. A check for \$20 must accompany the reservation request. Room reservations must be cancelled with full refund until three weeks prior to the first day of classes. No refund will be made on cancellations received after this date. Dormitory residents will be refunded deposits, less any breaking charges, at the end of the year. The \$20 deposit will not be refunded if the student moves from the dormitory at any time other than at the end of the semester.

All unclaimed rooms will be declared vacant and the deposit forfeited at 6:00 p.m. on the last day of registration unless the student gives the Dean of Student Life Office written instructions to hold the room for a longer period.

INSTRUCTIONAL BUILDINGS

Classroom buildings are of modern design and conveniently located a short distance from the dormitories and the dining hall. Classes other than those necessitating special facilities, laboratory facilities, etc., are conducted in air-conditioned classroom buildings.

The student service buildings on the campus, including the Bookstore, Library, Student Union, Dining Hall, Health Center, etc., are also air-conditioned.

LIBRARY

The Library is conveniently located among the instructional buildings on the campus. Students will find that it has seating room for several hundred, a reference room, a film supply room, a micro-film reader room, subscriptions to more than 1,000 periodicals, and over 100,000 volumes. A budget of sufficient size to increase the volumes by several thousand per year assures an adequate future of excellent service to LamarTech students and faculty.

Library hours for the summer session are: 7:30 a.m. to 9:00 p.m., Monday through Thursday; 7:30 a.m. to 5:00 p.m., Friday. On Saturday, the hours are 9:00 a.m. to 1:00 p.m.; Sunday, 2:00 p.m. to 5:00 p.m. The Library is closed on holidays.

SWIMMING POOL

Lamar State College of Technology is one of the few schools that has an Olympic-size pool. This is 50 meters. The depth ranges from 4-1/2 feet to 13 feet. The diving area is shaped like an "L" and there are low and high boards.

This pool is restricted to college students, faculty members, and their guests. Guests must be registered at the pool.

Hours will be from 2:30 p.m. to 8:30 p.m. on Tuesday, Wednesday, Thursday, and Friday; Saturday from 1:00 p.m. to 8:30 p.m.; Sunday from 1:00 p.m. to 6:00 p.m. The pool will be closed Monday.

BOOKSTORE

For the convenience of faculty and students, the College operates its own bookstore where supplies and books, new and used, may be purchased.

Used books which are currently approved may be sold to the bookstore at prices much better than such books would ordinarily bring. Books which must be discontinued are not purchased by the bookstore except at a salvage price.

The bookstore reserves the right to require the seller to prove his ownership.

SERVICES

COUNSELORS

At registration each student is assigned a faculty counselor who is available for educational, vocational, and personal guidance. All students are expected to make appointments with counselors during each semester. Such arrangements are the responsibility of the student.

Counseling sessions will insure that a program of study is pursued in proper sequence and that academic progress is maintained by the student.

TESTING AND PLACEMENT SERVICE

The Testing and Placement Center is located in Room 102 of the Liberal Arts Building and is open 8:00 a. m. to 5:00 p. m. Monday through Friday.

This Center provides testing service for entering students and for others who want it. Non-students wishing to use this service pay a fee depending upon the testing program desired.

Placement service is also provided at this Center and is available to all students, faculty, and former students.

HEALTH CENTER

The College maintains a Health Center for the use of students during the long term or summer session.

Two types of service are available: (1) out-patient service for those who have minor ailments but who do not require constant supervision, and (2) infirmary service for those who are in need of the continued attention of the College physician or a registered nurse.

TEACHER CERTIFICATION

Lamar is an approved teacher-certifying agency. All teacher education programs of the college are approved by the Texas Education Agency. Students seeking teacher certification should consult with the Dean of the School of Education regarding requirements, etc.

LOAN FUNDS AND SCHOLARSHIPS

Financial assistance in the form of loans and scholarships is available for a limited number of students. Details may be obtained from the "Bulletin of Scholarships and Loans" which can be obtained on request to the Dean of Student Life, Lamar State College, Beaumont, Texas.

GRADUATE DEGREES OFFERED

Master of Arts

Master of Arts in English

Master of Arts in History

Master of Business Administration

Master of Science

Master of Science in Mathematics

Master of Science in Chemistry

Master of Engineering Science

Master of Education

Master of Education in Elementary Education

Master of Education in Secondary Education

Master of Education in Special Education

For specific degree requirements, the student should consult the Graduate Bulletin.

FEEs AND EXPENSES

All fees and deposits are payable at the time of registration. The fees are as follow:

RESIDENT STUDENTS

Semester Hours	Tuition	S. S. Fee	Bldg. Use Fee	Total
8	\$35.00	\$5.00	\$12.00	\$ 52.00 / Lab
7	31.00	5.00	6.00	48.00 / Lab
6	27.00	5.00	6.00	40.00 / Lab
5	23.00	5.00	6.00	36.00 / Lab
4	19.00	5.00	6.00	32.00 / Lab
3 or less	15.00	5.00	6.00	28.00 / Lab

NON-RESIDENT STUDENT

8	\$133.00	\$5.00	\$12.00	\$150.00 / Lab
7	117.00	5.00	6.00	130.00 / Lab
6	100.00	5.00	6.00	113.00 / Lab
5	83.00	5.00	6.00	96.00 / Lab
4	66.00	5.00	6.00	79.00 / Lab
3 or less	50.00	5.00	6.00	63.00 / Lab

RESIDENCE AND DINING HALL FEES

Room and Board (Summer)	
Each six weeks	\$121.50
Short course, clinic, workshop, etc., rates:	
Per day, room and board	3.00
Per day, room only	1.25

LABORATORY FEES

For all courses in which the combined credit of lecture and laboratory is from 1 to 3 semester hours, a laboratory fee of \$2.00 is charged for each term. For such courses in which the credit is 4 semester hours or more, the laboratory fee is \$4.00 per term.

GENERAL PROPERTY DEPOSIT

Each student must put up a general property deposit of \$7.00. When the student leaves Lamar, this deposit is refunded less any charges.

REFUND OF FEES

No refund is made for dropped courses. A refund of 60% of registration, service, and private lessons fees is made if the student withdraws during the first week of classes. No refund is made after that time.

The withdrawing student must request the refund after official withdrawal and before the end of the summer session.

The time required to process refunds is about 60 days.

School of Arts and Sciences

DEPARTMENT OF BIOLOGY

Biology (Bio)

141-142—General Biology. First semester devoted to the anatomy and physiology of man. Laboratory phase includes the dissection of the frog as a vertebrate type, and an elementary study of vertebrate tissues. Reproduction, development, and heredity of animals; disease and immunity are studied during the first part of the second semester. The last part of the second semester is devoted to a survey of the animal and plant phyla, emphasizing the phylogentic relationship of lower organisms, their natural history, and their bearing on human welfare. Either semester may be taken first, though the normal sequence is recommended. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours per semester.

240—Comparative Anatomy of the Vertebrates. Comparative anatomy presented from systemic viewpoint. Designed primarily for biology majors, pre-medical, and pre-dental students. Prerequisite: Bio 141-142. Class: 3 hours. Laboratory: 4 hours. Credit: 4 semester hours.

243—Microbiology. Micro-organisms with emphasis on bacteria in soil, water, milk, and sewage. Laboratory includes the isolation, cultivation, and identification of common bacteria. Recommended for biology majors, pre-medical, pre-dental, and medical technology students. Prerequisite: Bio 141-142. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

244—Disease and Immunity. Bacteria, rickettsiae and viruses in relation to disease. Theories of antigen-antibody responses. Laboratory includes the isolation, cultivation, and identification of pathogenic bacteria, and the immunization of laboratory animals. Prerequisite: Bio 243. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

341—Histology and Histological Technique. Study of normal tissues of vertebrates. Technique phase of the course includes fixation and staining of tissues, paraffin sections, conventional mounting. Designed for biology majors, pre-medical, pre-dental and medical technology students. Prerequisite: Bio 141-142 and 241-242 or 243-244. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

345—General Botany. Introduction to plant structure and functions with emphasis on the seed plants. Prerequisite: Bio 141-142. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

347—Genetics. General principles of heredity, including human inheritance. Prerequisite: Bio 141-142. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

430—Undergraduate Problems. Designed to afford opportunity for senior students to pursue individual interests in the investigation of problems in biology. Research to be directed by staff, and approval of department head required. Credit: 3 semester hours.

441—Parasitology. Study of animal parasites including morphology, life history, and host-parasite relationships. Special emphasis on helminthic parasites of man and other vertebrates. Prerequisite: Bio 141-2; Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

445—Marine Biology. Natural history and ecology of fauna and flora in Gulf and estuarine waters. Recommended for biology majors. Prerequisites: Bio 141-2, 346. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

DEPARTMENT OF CHEMISTRY

Chemistry (Chm)

141—General. For students of science and engineering. General principles, problems, fundamental laws and theories. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

142—General. For students of science and engineering. A continuation of Chem 141. Elementary qualitative analysis and theories of solutions and equilibrium. Properties of the elements. Prerequisite: Chm 141. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

143—Introductory. For non-science majors. A survey course in elementary chemistry. Lecture and laboratory work in inorganic chemistry. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

144—Introductory. For non-science majors. Continuation of Chem 143. A brief survey of qualitative analysis, elementary organic and physiological chemistry. Prerequisite: Chm 143 or 141. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

241—Quantitative Analysis. For science and engineering majors. Theory and practice of analytical chemistry, utilizing gravimetric and titrimetric techniques. Prerequisites: Chm 142, Mth 133, 134, with a grade of C or better in each. Class: 3 hours. Laboratory: 5 hours. Credit: 4 semester hours.

333—Inorganic I. Generalizations involving atomic and nuclear theory. Properties of the elements, with emphasis on similarities and differences within and between groups and transitional series. Non-aqueous solvents, acids, bases, oxidation-reduction, etc. Prerequisite: Chm 241, with grade of C or better. Class: 3 hours. Credit: 3 semester hours.

341—Organic. Current theories and chemical principles that relate to the field of organic chemistry. Survey of the reactions and preparations of the principle classes of organic compounds. Prerequisite: Chm 142 with grade of C or better. Class: 3 hours. Laboratory: 4 hours. Credit: 4 semester hours.

342—Organic. A continuation of Chm 341. Prerequisite: Chm 341. Class: 3 hours. Laboratory: 4 hours. Credit: 4 semester hours.

427, 437, 447—Introduction to Research. Senior chemistry students. Problems are on the under-graduate level and emphasize research techniques. Prerequisite: B average in all previous chemistry courses. Credit: 2, 3, or 4 semester hours.

DEPARTMENT OF ENGLISH

English (Eng)

131—Rhetoric and Composition. Intelligent and critical reading of mature exposition; correct and effective expository writing. Collateral readings; frequent themes. Class: 3 hours. Credit: 3 semester hours.

132—Rhetoric and Composition. A continuation of English 131. The research paper. Introduction to literary genres. Prerequisite: English 131 with a grade of "C" or better. Class: 3 hours. Credit: 3 semester hours.

138—Survey of Journalism. A study of mass communication and the media involved in the dissemination of news. Particular emphasis given to methods of gathering, writing and presenting the news by newspapers, magazines, and other media. Does not satisfy freshman English requirement. Class: 3 hours. Credit: 3 semester hours.

231, 232—Survey of British Literature. A critical study of the literature of Great Britain from the Middle Ages to the present. Prerequisite: English 132, 134, or 135 with a grade of "C" or better. Class: 3 hours. Credit: 3 semester hours.

331, 332—Survey of American Literature. A critical study of the literature of the United States from the colonial period to the present. Class: 3 hours. Credit: 3 semester hours.

333—Shakespeare. Rapid reading of the histories, comedies, and tragedies. The development of Shakespeare as a dramatist; his relationship to the Elizabethan theater; his social, political, and literary background in the Tudor-Stuart era. Class: 3 hours. Credit: 3 semester hours.

334—Advanced Grammar. Intensive analysis of sentences; the concept of structural meaning. Prerequisite: Foreign language through 132. Class: 3 hours. Credit: 3 semester hours.

431—Chaucer. A study of the poetry and language of Chaucer with emphasis on the Canterbury Tales. Class: 3 hours. Credit: 3 semester hours.

435—The Seventeenth Century. The non-dramatic literature of England from the Metaphysical poets to Dryden. Class: 3 hours. Credit: 3 semester hours.

439—The Romantic Period. An intensive study of the major authors of the period from Burns to Keats. Class: 3 hours. Credit: 3 semester hours.

4314—The Development of American Realism: 1860-1900. An intensive study of the major authors of the period from Whitman to Norris. Class: 3 hours. Credit: 3 semester hours.

4321—Selected Problems in Comparative Literature. Intensive study of an author or authors, literary genre, or period selected from the range of world literature. Emphasis upon analysis and literary method. Class: 3 hours. Credit: 3 semester hours.

530—Bibliography and Research Methods. An introduction to graduate research methods and sources. Basic course for all beginning graduate students. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

535—Studies in Renaissance and Seventeenth Century English Literature. An intensive study of an author or related authors selected from the period. Course may be repeated for a maximum of six semester hours credit when the topic varies. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

539—Studies in American Literature. An intensive study of an author or related authors selected from the period. Course may be repeated for a maximum of six semester hours credit when the topic varies. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

669A-669B—Thesis. Credit: 6 semester hours.

DEPARTMENT OF GEOLOGY

Geology (Geo)

141—Physical Geology. Earth materials, structure, land forms, mineral resources, and the process which have formed them. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

142—Historical Geology. History of the earth and its life. Prerequisite: Geo 141. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

360—Summer Field Course. Description of stratigraphic sections, preparation of geologic maps and field reports. Duration: 6 weeks. Total cost: \$200-\$300. Prerequisites: Geo 342 and E.Dr. 223. Credit: 6 semester hours.

430—**Earth Science Seminar.** A survey of earth materials and processes, earth history, astronomy, and meteorology. Identification of mineral, rock, and fossil specimens, and cloud formations. Demonstrations of topographic, geologic, and weather maps. Designed for non-science majors. Prerequisite: senior or graduate standing. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF GOVERNMENT

Government (Gov)

231—**The American Constitutional System, Federal and State.** A study of the background and composition of the national and state constitution; local government; the federal and state judiciaries; civil liberties. Prerequisite: sophomore standing. Class: 3 hours. Credit: 3 semester hours.

232—**American and State Government Organization and Functions.** A study of political parties; the legislative and executive branches; functions of both national and state government; foreign policy. Prerequisite: sophomore standing. Class: 3 hours. Credit: 3 semester hours.

3314—**Contemporary China.** The course will cover the period from the founding of the first Republic in 1912 to the present day, with particular attention to the policies, doctrines, and political problems of Communist China. Class: 3 hours. Credit: 3 semester hours.

3315—**American Political Thought.** An analysis of the concepts of American political thought and the interrelationship with American social, cultural, and political institutions and behavior. Class: 3 hours. Credit: 3 semester hours.

337—**American Diplomacy.** Historical development and selected problems of American diplomacy. (Government 337 and History 337 may not both be counted.) Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF HISTORY

History (His)

131—**History of World Civilization.** Survey of world history to 1715. Class: 3 hours. Credit: 3 semester hours.

132—History of World Civilization. Survey of world history from 1715 to the present. Class: 3 hours. Credit: 3 semester hours.

134—History of Texas. Survey of Texas history from the beginning to the present time. Class: 3 hours. Credit: 3 semester hours.

231—History of the United States. Survey of United States history to 1865. Prerequisite: sophomore standing. Class: 3 hours. Credit: 3 semester hours.

232—History of the United States. Survey of United States history from 1865 to the present. Prerequisite: History 231. Class: 3 hours. Credit: 3 semester hours.

432—The French Revolution and Napoleon. Western Europe from 1783 to 1815. Class: 3 hours. Credit: 3 semester hours.

437—The American South. The American South from colonial times to the present. Class: 3 hours. Credit: 3 semester hours.

4311—Colonial America. Class: 3 hours. Credit: 3 semester hours.

4314—The American Civil War. Class: 3 hours. Credit: 3 semester hours.

4324—Latin America Since 1810. Class: 3 hours. Credit: 3 semester hours.

4325—Tudor and Stuart England. England from 1485 to 1688. Class: 3 hours. Credit: 3 semester hours.

531—Sources and Literature of Early United States History. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

534—Sources and Literature of Modern British History. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

669A-669B—Thesis. Prerequisite: admission to candidacy for the master's degree. Credit: 6 semester hours.

DEPARTMENT OF MODERN LANGUAGES

French (fre)

131—First Year French. Pronunciation, conversation, reading, dictation, fundamentals. Use of recordings. Class: 3 hours. Credit: 3 semester hours per course.

132—First Year French. Reading, grammar, exercise in composition, conversation. Use of recordings. Prerequisite: French 131 or two years of high school French. Class: 3 hours. Credit: 3 semester hours.

231, 232—Reading, composition, conversation. Prerequisite for French 231: French 132. Class: 3 hours. Credit: 3 semester hours per course.

Spanish (Spa)

131—First Year Spanish. Pronunciation, conversation, reading, dictation, fundamentals. Use of recordings. Class: 3 hours. Credit: 3 semester hours.

132—First Year Spanish. Reading, grammar, conversation, exercises in composition. Use of recordings. Prerequisite: Spanish 131 or two years of high school Spanish. Class: 3 hours. Credit: 3 semester hours.

231, 232—Reading, Composition, Conversation. Prerequisite for Spanish 231: Spanish 132. Class: 3 hours. Credit: 3 semester hours per course.

334—Introduction to Spanish-American Literature. Survey of Spanish-American literature and civilization. Study of outstanding writers and their works. Lectures, readings, oral and written reports. Prerequisite: Spanish 232. Class: 3 hours. Credit: 3 semester hours.

335—Advanced Composition. Prerequisite: Spanish 232. Class: 3 hours. Credit: 3 semester hours.

336—Advanced Composition and Conversation. Prerequisite: Spanish 335. Class: 3 hours. Credit: 3 semester hours. Required for Spanish majors.

German (Ger)

131—First Year German. Pronunciation, conversation, reading, dictation, fundamentals. Use of recordings. Class: 3 hours. Credit: 3 semester hours.

132—First Year German. Reading, grammar, conversation, exercises in composition. Use of recordings. Prerequisite: German 131 or 2 years of high school German. Class: 3 hours. Credit: 3 semester hours.

231, 232—Reading, Composition, Conversation. Prerequisite for German 231: German 132. Class: 3 hours. Credit: 3 semester hours per course.

DEPARTMENT OF PHYSICS

Physics (Phy)

137—Descriptive Astronomy. A survey of facts and an introduction to important astronomical theories. The solar system, stars, nebulae, and star systems. Class: 2 hours. Demonstration and discussion: 1 hour. Credit: 3 semester hours.

141—General Physics—Mechanics, Sound, and Heat. Designed for majors in the physical or natural sciences. Emphasis placed upon understanding and application of basic physical laws. Prerequisite: Credit for Mth 133 and 134. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

142—General Physics—Electricity, Magnetism, Light and Modern Physics. A continuation of Phy 141. Prerequisite: Phy 141. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

241—Engineering Physics—Heat, Electricity, and Magnetism. Emphasis is placed on derivations, units, and problem-solving. Prerequisite: Phy 140 or Egr 132 and credit for or registration in Mth 231. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

242—Engineering Physics—Sound, Light, and Quanta. Emphasis is placed on derivations, units, and problem-solving. Prerequisite: Phy 241. Class: 3 hours. Laboratory: 3 hours. Credit: 4 semester hours.

335—Atomic Physics. Conservation laws; special relativity; quantum effects; atomic structure; X-rays; nuclear and solid state physics. Prerequisites: Phy 241-242 or Phy 141-142 and Mth 231. Class: 3 hours. Credit: 3 semester hours.

414, 415—Experimental Projects. Building of experimental apparatus under the supervision of a faculty member. Prerequisite: 6 hours of physics numbered above 300. Laboratory: 3 hours. Credit: 1 semester hour per course.

DEPARTMENT OF PSYCHOLOGY

Psychology (Psy)

231—General Psychology. Introduction to general psychology. Class: 3 hours. Credit: 3 semester hours.

232—Introduction to Statistical Methods. Statistical concepts and techniques used in psychological research. Class: 3 hours. Credit: 3 semester hours.

234—Child Psychology. A study of the growth and development of behavior patterns in children. Class: 3 hours. Credit: 3 semester hours.

235—Adolescent Psychology. A study of the growth and development of behavior patterns in adolescents. Class: 3 hours. Credit: 3 semester hours.

332—Psychology of Personality. A study of several of the major theories of personality organization and adjustment processes. Prerequisite: Psy 231 or recommendation of department head. Class: 3 hours. Credit: 3 semester hours.

432—Abnormal Psychology. A study of abnormal behavior. Special emphasis on the symptomatology, etiology, and therapeutic approaches. Prerequisite: Psy 231. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF SOCIOLOGY

Anthropology (Ant)

231—Introduction. The nature, development, and differentiation of man as a biological organism, and of culture as his distinctive creation and possession. Class: 3 hours. Credit: 3 semester hours.

Geography (Geg)

230—World Geography. Characteristics of major geographic regions; relationship of geographic environment to human society and culture. Class: 3 hours. Credit: 3 semester hours.

Sociology (Soc)

131—Introduction. Sociology as a field of knowledge. Basic terms, concepts, and theories of sociology applied to an explanation of human behavior, personality, groups, and society. Class: 3 hours. Credit: 3 semester hours.

132—Social Problems. Attributes of society and of persons which are subject to disapproval; the causes, extent, and consequences of these problems; programs and prospects of their resolution. Class: 3 hours. Credit: 3 semester hours.

233—Marriage and the Family. Characteristics of and problems within courtship, marriage, and family in American society. Class: 3 hours. Credit: 3 semester hours.

330—American Society. Description and analysis of structural and functional characteristics of American society and culture. Class: 3 hours. Credit: 3 semester hours.

332—Social Psychology. Social and cultural influences upon individual behavior and personality; inter-personal and inter-group relations and collective behavior. Class: 3 hours. Credit: 3 semester hours.

336—Race Relations. Racial and cultural minority groups within society; causes and consequences of prejudice and discrimination and of changes in the relationships between minority and dominant groups. Class: 3 hours. Credit: 3 semester hours.

339—Juvenile Delinquency. The nature, incidence, and explanations for juvenile delinquency in American society; agencies and programs for prevention and control of delinquency. Class: 3 hours. Credit: 3 semester hours.

431—Population Problems. The growth and composition of population with emphasis on social, economic, and political problems. Class: 3 hours. Credit: 3 semester hours.

COURSES IN BIBLE AND RELIGIOUS EDUCATION

Bible (Bib)

111—Acts of the Apostles. The history of the early Christian movement. Class: 1 hour. Credit: 1 semester hour.

133—The Life and Teachings of Jesus. A critical study of the Gospels, the person and work of Jesus of Nazareth. Class: 3 hours. Credit: 3 semester hours.

134—The Life and Letters of St. Paul. A study of the life and ministry of St. Paul and the major portion of the Pauline letters. Class: 3 hours. Credit: 3 semester hours.

School of Business

DEPARTMENT OF ACCOUNTING

231—Principles of Accounting. Procedures and techniques used in recording business transactions and preparing financial statements. Journalization; posting; statement preparation; controlling accounts and subsidiary ledgers; adjusting and closing entries; voucher system. Class: 3 hours. Credit: 3 semester hours.

232—Principles of Accounting. Continuation of Acc 231 with special attention given the financial statements; cash and receivables; fixed assets; prepaid expenses; liabilities; capital stock and related owners' equity; manufacturing accounting; installment sales; branch accounts. Class: 3 hours. Credit: 3 semester hours.

331—Intermediate Accounting. Analysis of special problems and theories of current assets and corporation accounting. Capital stock; surplus and dividends; treasury stock; cash; receivables; inventories; net income concepts; corrections of prior year's earnings. Prerequisite: Acc 232. Class: 3 hours. Credit: 3 semester hours.

332—Intermediate Accounting. Continuation of Acc 331 with emphasis on the interpretation of data relative to managerial decisions. Investments; fixed assets; liabilities and reserves; analysis of operations; ratios; statement of application of funds. Class: 3 hours. Credit: 3 semester hours.

334—Cost Accounting. Job order and process cost approach to the control of manufacturing operation. Material; labor; overhead allocation; departmentalization; budgeting; data presentation. Prerequisite: Acc 232. Class: 3 hours. Credit: 3 semester hours.

431—Advanced Accounting. Selected theories relative to business enterprises. Partnership operations; venture accounts; consignments; installment sales; insurance; receivership; interest; annuities. Prerequisite: Acc 332. Class: 3 hours. Credit: 3 semester hours.

432—Advanced Accounting. Continuation of Acc 431 including the preparation and interpretation of consolidated statements for related corporations. Estates and trusts; home office and branch records; parent and subsidiary relationships; consolidated statements. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF BUSINESS ADMINISTRATION

Business Administration (BA)

314—Introduction to Business. Survey of the functional areas of business and their interrelationships. Economics of industry; ownership and organization; marketing; production; personnel; finance; business controls. Class: 3 hours. Credit: 3 semester hours.

331—Business Law. Principles of law which form the legal framework for business activity. Applicable statutes; contracts; agency. Class: 3 hours. Credit: 3 semester hours.

333—Insurance. Application of fundamental principles to life, property, and casualty insurance. Contracts; premiums; legal statutes; risk; programming. Class: 3 hours. Credit: 3 semester hours.

334—Marketing. The social and economic aspects of distribution as found in business organizations. Structures; functions; institutions; problems. Class: 3 hours. Credit: 3 semester hours.

335—Industrial Management. Scientific management as applied to productive processes in industry. Plant location and layout; organization; lighting, heating, and power; personnel; efficiency; motivation; purchasing; controls. Class: 3 hours. Credit: 3 semester hours.

336—Personnel Management. Problems of personnel relations in business and industry. Recruitment; job description and analysis; testing and training; morale; records. Class: 3 hours. Credit: 3 semester hours.

337—Principles of Selling. Precepts of effective selling in the American economy. Sales process; prospecting; presentation; objectives. Class: 3 hours. Credit: 3 semester hours.

431—Business Statistics. Introduction to the quantitative methods of analysis as applied to business problems. Analysis; presentation; frequency distribution; index numbers; dispersion; correlation; time series. Prerequisite: 6 hours of mathematics. Class: 3 hours. Credit: 3 semester hours.

432—Business Statistics. Continuation of BA 431 including the theory and practical application of the normal curve, probable error, and sampling. Index numbers; secular trend; seasonal variations; correlation; marketing research; forecasting, budgeting; quality control and investment analysis. Class: 3 hours. Credit: 3 semester hours.

433—Advertising. Social and economic character of advertising. Production; administration; copy procedure; media; layout; budgets; organization; evaluation. Class: 3 hours. Credit: 3 semester hours.

435—Human Relations. Case-study approach to business problems in human relations. Recognition and analysis of problems; formulation and communication of proposed solutions; critique. Prerequisite: BA 330 Class: 3 hours. Credit: 3 semester hours.

532—Problems in Business Finance. A comprehensive study of how financial problems affect all areas of business management. The case study approach is utilized in order to stimulate analysis and discussion of forms of organization, promotion of new firms, short-term and long-term sources of funds and financing, dividend policies, mergers, refinancing and recapitalization, reorganization, and comprehensive financial planning. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF ECONOMICS

231—Principles. Introduction to economic principles. Allocation of resources; determination of output and prices; distribution; and managerial economics. Class: 3 hours. Credit: 3 semester hours.

232—Principles. Continuation of Eco. 231. Emphasizes monetary theory; national income analysis; fluctuations and growth; public finance; international trade; and current economic problems. Class: 3 hours. Credit: 3 semester hours.

233—Principles and Policies. Comprehensive introduction to economic principles and problems for non-business students. Resource utilization; price determination; distribution of income; fiscal and monetary problems; economic growth. Class: 3 hours. Credit: 3 semester hours.

333—Corporation Finance. Historical development and present organizational structure of the corporate form of business enterprise. Legal position; sources of capital; financial management; refunding; expansion. Class: 3 hours. Credit: 3 semester hours.

334—Public Finance. The collection, administration, and disbursement of fiscal resources of governmental units with application to current problems. Public revenues; public expenditures; governmental credit and debt; intergovernmental fiscal problems. Class: 3 hours. Credit: 3 semester hours.

336—Survey of Labor Economics. Past development and present organizational structure of the labor movement in America and its impact on the industrial society. Labor market; collective bargaining; wages; economic insecurity; labor legislation; governmental policies. Class: 3 hours. Credit: 3 semester hours.

339—Economics of the Firm. The application of the techniques of economic analysis to the managerial problems of business enterprises utilizing a problem-solving or case study approach. Goals of the firm; business forecasting; demand analyses; cost analyses; game theory; pricing policies; governmental relations. Class: 3 hours. Credit: 3 semester hours.

435—Comparative Economic Systems. A critical analysis of the basic theories and institutions of economic systems including a comparison of the American system with other existing systems. Capitalism; socialism; communism. Class: 3 hours. Credit: 3 semester hours.

437—Intermediate Theory. Economic analysis and methodology. Distribution; theory; price theory; imperfect competition and monopoly; national income analysis. Class: 3 hours. Credit: 3 semester hours.

438—Macro Economics. A descriptive-analytical approach to the dynamic forces that influence the aggregate level of economic activity. Income and employment determinants; levels of income and employment; stabilization theory; investment and income relationship; monetary and fiscal policies. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF SECRETARIAL SCIENCE

Secretarial Science (Sec)

121—Typewriting (Short Course). Introduction of the touch system on manual and electric machines. Simple letter forms; manuscripts; tabulations. Class: 1 hour. Laboratory: 2 hours. Credit: 2 semester hours.

135—Records. Methods and procedures in classifying and storing business records. Filing systems; records management and retention; duplicating equipment; dictating, transcribing, and office machines; evaluation. Class: 3 hours. Credit: 3 semester hours.

331—Secretarial Office Procedures. Analysis of responsibilities and duties of the administrative secretary. Procedure; work simplification; supervision; office etiquette and ethics; sources of information. Class: 3 hours. Credit: 3 semester hours.

332—Dictation and Transcription. Continuation of Sec 363 with stress on building shorthand speed and improving transcription skill. Vocabulary development; sustained dictation; volume production. Class: 3 hours. Credit: 3 semester hours.

344—Business Communications. Theories, practice, and problems involved in communications in business and industry with emphasis on use of practical psychology, good judgment. Letters; reports; memoranda; dictation. Prerequisite: touch system of typewriting. Class: 3 hours. Laboratory: 2 hours. Credit: 4 semester hours.

School of Engineering

Engineering (Egr)

122—Introduction to Digital Computers. Interpretive routines and compilers are used. Problems are used to illustrate methods. Each student prepares a program for one of the digital computers on campus. Prerequisite: Mth 138 or concurrent. Class: 1 hour. Laboratory: 3 hours. Credit: 2 semester hours.

132—Mechanics I. Utilizes vectors in the study of particle dynamics. Statics of particles and rigid bodies. Energy methods. Prerequisite: Egr 122 or concurrent; Mth 139 or concurrent. Class: 3 hours. Credit: 3 semester hours.

221—Materials Science. Basic principles underlying the behavior of solid, liquid and gaseous materials. Prerequisite: Mth 234 or concurrent; Phy 241; Chm 142. Class: 2 hours. Credit: 2 semester hours.

231—Mechanics II. Kinematics of rigid bodies, kinetics of rigid bodies. Work and energy, impulse and momentum. Prerequisite: Egr 132; Mth 231 or concurrent. Class: 3 hours. Credit: 3 semester hours.

232—Mechanics III. Effect of loads on deformable bodies. Uniaxial and biaxial stress-strain relationships, statically indeterminate systems. Equations developed for torsion, bending and buckling. Prerequisite: Egr 231 and Mth 232. Class: 3 hours. Credit: 3 semester hours.

233—Electric Circuits and Fields. Electrical and magnetic units; heating effects; basic circuit analysis; electric and magnetic fields; ferromagnetic circuits; inductance and capacitance; principles of energy conversion and measurements. Prerequisite: Phy 241; Mth 232 and 233 or concurrent. Class: 3 hours. Credit: 3 semester hours.

234—Thermodynamics. The fundamental laws of thermodynamics. Properties of systems, gases, vapors, thermodynamic tables, and cycles. Prerequisite: Chm 142; Phy 241; Mth 232; Engr 122. Class: 3 hours. Credit: 3 semester hours.

331, 332—Heat, Mass and Momentum Transfer. Fluid dynamics, heat transfer and mass transfer. An integrated two semester sequence. Prerequisite: Egr 234; Mth 233 and 234. Class: 3 hours each semester. Credit: 3 semester hours each semester.

333—Electronics. A study of charged particles; metals and semiconductors; vacuum tube and transistor characteristics; gaseous condition; rectifiers and power supplies. Prerequisite: Egr 233 and 221; Mth 233. Class: 3 hours. Credit: 3 semester hours.

334—Mechanics IV. Generalized stress-strain relationships, theories of material failure. Unsymmetrical bending, torsion of non-circular sections, buckling. Elastic and inelastic behavior compared. Laboratory demonstrations to illustrate theory. Prerequisite: Egr 221 and 232. Class: 2 hours. Laboratory: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF CHEMICAL ENGINEERING

Chemical Engineering (CHE)

333—Thermodynamics II. Properties of non-ideal substances. Maxwell relations, vapor pressure, latent heat, enthalpy-concentration, diagrams, chemical equilibria, equilibrium constants, fugacity, and activity. Prerequisite: Egr 234. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF ELECTRICAL ENGINEERING

Electrical Engineering (EE)

331—Circuits I. A study of instantaneous current and voltage, the impedance function, complex algebra in circuit analysis, average power and effective current, equivalent networks, resonance, graphical methods, loop and node network equations, matrix solutions, and network theorems. Prerequisite: Egr 233, Mth 232, and Mth 233. Class: 3 hours. Credit: 3 semester hours.

332—Circuits II. Coupled circuits, balanced and unbalanced polyphase circuits, symmetrical components, non-linear elements, Fourier series and integral, transient response, complex frequency plane, Laplace transformation, filters. Prerequisite: EE 331. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering (ME)

435—Turbomachinery. Flow problems encountered in the design of water, gas and steam turbines, centrifugal and axial-flow pumps and compressors. Prerequisite: Egr 332. Class: 3 hours. Credit: 3 semester hours.

DEPARTMENT OF MATHEMATICS

Mathematics (Mth)

131—Finite Mathematics I. Principles of mathematics, number bases, and coordinate geometry. Prerequisite: 2 units of high school mathematics. Class: 3 hours. Credit: 3 semester hours.

132—**Finite Mathematics II.** Symbolic logic, theory of sets, probability and statistics, theory of games, mathematical induction, and group theory. Class: 3 hours. Credit: 3 semester hours.

133—**Plane Trigonometry.** Trigonometric functions and their applications, trigonometric identities and equations. Prerequisite: 1½ units of high school algebra and 1 unit in plane geometry. Class: 3 hours. Credit: 3 semester hours.

134—**College Algebra.** Determinants, binomial theorem, theory of equations, progressions, permutations, combinations and probability. Prerequisite: 2 years of high school algebra. Class: 3 hours. Credit: 3 semester hours.

135—**Contemporary Mathematics I.** Sets, counting numbers, numeration systems, and integers. CUPM for Education majors only. Class: 3 hours. Credit: 3 semester hours.

137—**Contemporary Mathematics III.** Experimental and informal geometry. The structure of geometry in terms of sets with some elementary theorems and proofs. Measurements and construction. CUPM for Education majors only. Prerequisite: Mth 136. Class: 3 hours. Credit: 3 semester hours.

138—**Analysis I.** Functions and graphs, slope, properties of limits, derivatives of algebraic functions and applications, integration. Class: 3 hours. Credit: 3 semester hours.

139—**Analysis II.** Applications of the definite integral, transcendental functions, methods of integration. Prerequisite: Analysis I. Class: 3 hours. Credit: 3 semester hours.

231—**Analysis III.** Plane analytic geometry, hyperbolic functions, polar coordinates, parametric equations, solid geometry, vectors. Prerequisite: Analysis II. Class: 3 hours. Credit: 3 semester hours.

232—**Analysis IV.** Partial differentiation, multiple integrals, infinite series, differential equations. Prerequisite: Analysis III. Class: 3 hours. Credit: 3 semester hours.

233—**Linear Algebra.** Set notation, number fields, groups, vectors, geometry of space, vector spaces, determinants, linear transformations, matrices. Prerequisite: Analysis II. Class: 3 hours. Credit: 3 semester hours.

234—**Probability and Statistics.** Permutations and combinations, factorials, elementary principles of probability, mathematical expectation, averages, curve fitting, engineering applications. Prerequisite: Analysis III. Class: 3 hours. Credit: 3 semester hours.

3301—**Introduction to Data Processing.** Types of digital computing systems. Design of computation for computing machinery. Prerequisite: Mth 232. Class: 3 hours. Credit: 3 semester hours.

331—Differential Equations. Analytical solution of ordinary differential equations in terms of elementary and classical functions. Application to problems in geometry, engineering, and physics. Introduction to solution by series and numerical methods. Prerequisite: Mth 232. Class: 3 hours. Credit: 3 semester hours.

335, 336—Higher Algebra. Postulates for the system of positive integers. Systems of integers, rational numbers, real numbers, and complex numbers by embedding. Dedekind cuts. Groups, rings, fields, Diophantine equations, congruences, matrix theory. Prerequisite: Mth 231. Mth 335 is not a prerequisite for Mth 336. Class: 3 hours. Credit: 3 semester hours for each course.

338, 339—Advanced Calculus. The number system, the concept of a function, limits, sequences, continuity, differentiability, the Riemann integral, functions of several variables, differentiable functions of several variables, multiple integrals, improper integrals, infinite series, Taylor's series, and Fourier series. Prerequisite: Mth 232. Class: 3 hours. Credit: 3 semester hours for each course.

4301, 4302—Advanced Calculus for Engineers. Linear ordinary differential equations, the Laplace Transform, series solutions of differential equations, boundary-value problems, orthogonal functions, introduction to vector analysis and functions of a complex variable, partial differential equations of mathematical physics. Prerequisites: Mth 232. Class: 3 hours. Credit: 3 semester hours.

431, 432—Introduction to Functions of a Complex Variable. Review of theorems from analysis and point set theory followed by a study of analytic functions from the Cauchy-Riemann and Weierstrass points of view. Compact sets, uniform convergence, Taylor Expansion Theorem, analytic continuation, Laurent expansions, calculus of residues, conformal mapping. Prerequisite: Mth 338. Class: 3 hours. Credit: 3 semester hours each course.

4312—Advanced Data Processing. Application of computing machinery. Programming and operation. Prerequisite: Mth 3301. Class: 3 hours. Credit: 3 semester hours.

433—Vector Analysis. The algebra and calculus of vectors with applications. Scalar and vector fields, operators, Green's, Stokes's, and Divergence Theorems; Curvilinear coordinates. Other topics as time permits. Prerequisite: Mth 232. Class: 3 hours. Credit: 3 semester hours.

536—Integral Equations. Fredholm theory. Eigenvalues, and eigenfunctions. Volterra integral equation. Degenerate, symmetric, resolvent, iterated, and arbitrary kernels. Neumann series. Use of integral equation theory as a unified approach to boundary value problems, differential equations, and potential theory. Class: 3 hours. Credit: 3 semester hours.

669A-669B—Thesis. Prerequisite: admission to candidacy for the master's degree. Credit: 6 semester hours.

School of Education

DEPARTMENT OF EDUCATION

Education (Edu)

330—Teaching Media and Programed Instruction. Observation, demonstration, and practice in utilizing modern teaching media, including teaching machines and programing. Class: 3 hours. Credit: 3 semester hours.

331—Foundations in Education. History, philosophy, and organization of education with particular emphasis on American education. Class: 3 hours. Credit: 3 semester hours.

332—Educational Psychology. The physical bases and the mental processes of learning. Consideration given to psychological vocabulary, psychological procedure, testing methods, and literature of psychology. Class: 3 hours. Credit: 3 semester hours.

333—Language Arts in the Elementary School. The study and use of materials and techniques in the teaching of oral and written communication. Prerequisite: Edu 331 and 332. Class: 3 hours. Credit: 3 semester hours.

334—Curriculum and Materials in the Elementary School. A survey of the elementary school including philosophy, grouping, class organization, curriculum plans, lesson plans, and materials for teaching. Prerequisite: Edu 331 and 332. Class: 3 hours. Credit: 3 semester hours.

335—Arithmetic in the Elementary School. A study of the content, materials, and methods used in teaching arithmetic. Prerequisite: Edu 331 and 332. Class: 3 hours. Credit: 3 semester hours.

337—Testing and Evaluation in the Public Schools. Evaluation techniques used in the public schools. Class: 3 hours. Credit: 3 semester hours.

338—Curriculum, Materials, and Evaluation in the Secondary School. The structure and organization of the curriculum, materials used, and types of evaluation utilized. Prerequisite: Edu 331 and 332. Class: 3 hours. Credit: 3 semester hours.

339—Reading in the Elementary School. Methods and materials for teaching reading in the elementary school. Emphasis upon the placement of materials and lesson planning. Prerequisite: Edu 334. Class: 3 hours. Credit: 3 semester hours.

3301—Survey in the Education of Exceptional Children. An orientation to characteristics, programs, and problems of children who are exceptional—mentally, physically, or emotionally. Designed as an overview

of the field. A first course for those planning to certify in Special Education. Class: 3 hours. Credit: 3 semester hours.

3311—Nature and Needs of the Mentally Retarded. Nature and causes of mental retardation; physical and mental characteristics; the organization and administration of classes; evaluation, integration, and adaptation of the program to meet socio-economic needs. Observation opportunities provided. Class: 3 hours. Credit: 3 semester hours.

430—Education of the Mentally Retarded. Problems in the selection, preparation, development, and use of curriculum materials. Use of resource, selection of equipment, employment opportunities, and a review of recent research. Opportunities provided for functional experiences. Class: 3 hours. Credit: 3 semester hours.

431—Psychology of Exceptional Children. Social and emotional characteristics and adjustment problems of children and youth who are exceptional. Class: 3 hours. Credit: 3 semester hours.

434—Classroom Management and Evaluation—Elementary. A study of problems relating to classroom management, pupil control, methods of evaluation, reporting to parents, and record keeping. Prerequisite: Edu 434 and senior standing. Class: 3 hours. Credit: 3 semester hours.

437—Science and Social Studies in the Elementary School. Content, methods, and materials for teaching science and social studies in the elementary school. Prerequisite: Edu 334. Class: 3 hours. Credit: 3 semester hours.

438—Classroom Management—Secondary. Organization of subject matter, lesson planning, classroom management, and general methods of teaching. Prerequisite: Edu 338. Class: 3 hours. Credit: 3 semester hours.

439—Nature and Needs of the Neurologically Impaired. Causes and effects; facilities, resources and reports, guidance, administration, and planning for both the child and his environment to meet his special needs. Class: 3 hours. Credit: 3 semester hours.

531—Research. Introduction to the skills and techniques necessary for research and problem solving in education. Emphasis on terminology, methodology, and spirit of systematic research. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

532—Current Issues in Education. Current controversies and trends in public education. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

534—Advanced Study in Child Psychology. A study of the development and nature of the human personality. Emphasis on recent psychological and biological experiments. Class: 3 hours. Credit: 3 semester hours.

536—Problems in Teaching Language Arts and Social Studies. Recent developments and trends with primary consideration given to individual teaching problems and individual research. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

537—The Elementary School Curriculum. Analysis of the objectives, organization, and content of the different areas of the elementary school curriculum. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

539—Developmental Reading. Methods for extending and refining fundamental reading habits and attitudes, and for increasing reading efficiency. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

5316—Administration and Supervision of Special Education Programs. Organization, financing, staffing and supervision in special education programs. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

5319—Problems in Secondary School Instruction. Consideration of the instructional problems encountered by experienced teachers in the secondary schools. Prerequisite: graduate standing and two years of teaching experience. Class: 3 hours. Credit: 3 semester hours.

669A-669B—Thesis. Prerequisite: admission to candidacy for the Master of Education Degree. Credit: 6 semester hours.

DEPARTMENT OF HOME ECONOMICS

Home Economics (HEc)

124—Foundations in Home Economics. An overview of the total profession of Home Economics. Class: 2 hours. Credit: 2 semester hours.

131—Food Selection and Preparation. Scientific theories underlying the selection and preparation of foods with application made in laboratory. Class: 2 hours. Laboratory: 4 hours. Credit: 3 semester hours.

235—Meal Management. Meal planning and food selection for nutritional adequacy throughout the life cycle for different socio-economic groups. Class: 1 hour. Laboratory: 4 hours. Credit: 3 semester hours.

332—Human Nutrition. Nutrition and functions of nutrients related to the chemistry and physiology of the human body throughout the life cycle. Class: 3 hours. Laboratory: 1 hour. Credit: 3 semester hours.

338—Philosophy and Principles of Vocational Home Economics. Interpretation of Home Economics as a discipline concerned with developing student competencies. Class: 3 hours. Credit: 3 semester hours.

**DEPARTMENT OF PHYSICAL AND HEALTH EDUCATION
FOR MEN**

Physical Education (HPE)

Activity Courses for Men

111M—Activity. First activity course required of all men students seeking a degree at Lamar. A basic physical fitness program designed to bring all male students to a level of physical fitness which will allow them to perform their normal daily tasks with ease and have a comfortable reserve of energy. Class: 3 hours. Credit: 1 semester hour.

112M—Activity. Second required activity course. A continuation of the physical fitness program and a brief introduction to the various recreational activities offered in the second year of the required program. Prerequisite: HPE 111M. Class: 3 hours. Credit: 1 semester hour.

211M-212M—Activity. Continuation of required physical education activity. Consists of instruction in fundamentals, rules and participation in selected team, dual and individual sports and activities of the student's choice. Prerequisite: HPE 111M and 112M. Class: 3 hours. Credit: 1 semester hour.

Professional Courses

227M—Swimming. Demonstrations, lectures, and practice in the basic techniques of swimming and water safety. Class: 2 hours. Credit: 2 semester hours.

228. Senior Life Saving. Lectures, demonstrations and practice in the technique of life saving. Prerequisite: HPE 227(M). Class: 1 hour. Laboratory: 2 hours. Credit: 2 semester hours.

229—Water Safety Instructor Course. Organization, conditioning, and preparation of student in the required swimming and life saving skills. Advanced students may qualify for American Red Cross Water Safety Instructor. Prerequisite: Current Red Cross Senior Life Saving Certificate. Class: 1 hour. Laboratory: 2 hours. Credit: 2 semester hours.

233—Physical Education in the Elementary School. The theory and practice of teaching physical education activities in the elementary grades. Classroom instruction and field laboratory assignments are included for demonstration and practice. Stress is placed on games of low organization. Classified as elementary physical education for purposes of teacher certification. Prerequisite: HPE 132. Class: 3 hours. Credit: 3 semester hours.

235—Health Education in the Secondary School. Subject matter and grade placement, teaching methods and practice in preparation of teaching units in Health Education at the secondary school level. A study of source materials, planning and organizing included. Prerequisite: HPE 132. Class: 3 hours. Credit: 3 semester hours.

320—Safety and First Aid. A survey of safety and first aid. Includes traffic safety and safety at home, work, school and play. Includes the scope, needs, and limitations of first aid with laboratory training in the techniques and methods of treatment of injuries. Class: 2 hours. Credit: 2 semester hours.

334—Driver Education. Traffic rules and regulations and the basic facts concerning the cause and prevention of accidents. The course includes behind-the-wheel training in the use of the training automobile while instructing students. For teaching professional students how to teach driver education. Prerequisite: Texas Driver's License. Class: 3 hours. Credit: 3 semester hours.

416—Student Teaching in Driver Education. Supervised observation and teaching of driver education in actual class and behind-the-wheel training. Prerequisite: "B" in HPE 334. Class: 1 hour. Credit: 1 semester hour.

430—Problems in Physical and Health Education, Recreation and Safety. Special problems in physical and health education, recreation and safety are assigned to individual students or to groups of students. Assignments are made and consultations are held. Class: by consultation. Credit: 3 semester hours.

431—Recreation Leadership. A survey of the field of recreation with stress on playground management, program making, observation and practice in activities and methods, leadership and skills. Include problems in the promotion of recreation in the community. Offered summer session only. Prerequisite: 15 hours in physical education. Class: 3 hours. Credit: 3 semester hours.

533—Organization and Administration of the School Health Program. Administrative relationships and procedure in conduct of school health programs. General policies, state responsibilities, annual health examinations, classes for handicapped, sanitation of school plant, duties of personnel services of outside agencies and community relationships. Prerequisite: graduate standing. Class: 3 hours. Credit: 3 semester hours.

534M—Scientific Basis of Exercise. A study of the role of physical activities and their effects on the human organism through the use of professional literature and laboratory experimentation. Prerequisite: graduate standing; Bio 330 and HPE 333 or their equivalents. Class: 3 hours. Credit: 3 semester hours.

PHYSICAL AND HEALTH EDUCATION FOR WOMEN

Activity Courses for Women

113—Beginning Swimming and Diving. Demonstrations, lectures and practice in the basic techniques of swimming and diving. With principles of water safety for various levels of skill and emphasis on individual

achievement of swimming, diving, and safety skills. Class: 3 hours. Credit: 1 semester hour.

114—Intermediate Swimming and Diving. Demonstrations, lectures and practice in the techniques and analysis of selected swimming strokes and dives. Class: 3 hours. Credit: 1 semester hour.

115—Lifesaving and Canoeing. Demonstrations, lectures and practice in lifesaving and canoeing skills. The student may obtain the American Red Cross Lifesaving Certificate upon completion of specific requirements. Tryout required for admittance. Laboratory: 3 hours. Credit: 1 semester hour.

211, 212—Activity. Continuation of HPE 111 and 112. Class: 3 hours. Credit: 1 semester hour.

Theory Courses

331—Health Education in the Elementary School. Includes health problems and interests of elementary school children, the promotion of the healthful school environment, an understanding of health appraisal of school children and curriculum construction. Class: 3 hours. Credit: 3 semester hours.

532—Seminar in Physical Education. Designed to develop abilities in locating and evaluating literature and research in physical education and in allied fields. Class: 3 hours. Credit: 3 semester hours.

School of Fine and Applied Arts

DEPARTMENT OF COMMERCIAL ART

Commercial Art (CA)

130—Appreciation of the Fine Arts. (Same as Spc 130 and MLt 130.) A survey course covering the areas of a. art, b. music, c. theatre. To be taught by representatives of the art, music and speech faculties. Class: 3 hours. Credit: 3 semester hours.

137, 138—The Language of Art. An introduction to the visual arts. An analysis of art form: Line, value, texture, volume, color and their application to the production of art. Class: 3 hours. Credit: 3 semester hours per course.

333, 334—Advanced Advertising Art. The study of layout and techniques of spatter work, zip-a-tone, craft and air-brush and their use in advertising (newspaper, house organs, catalogues). Prerequisite: CA 233, 234. Class and laboratory: 6 hours. Credit: 3 semester hours per course.

337, 338—Public School Art. Teaching devices, techniques and media used in the elementary and secondary schools are studied and used in the laboratory. Special attention is given to skills in correlating art with other subjects in the elementary and secondary fields. Class and laboratory: 6 hours. Credit: 3 semester hours.

431, 432—Drawing and Painting: Oil. The planning and producing of original oil paintings, either as commercial art projects or as fine art paintings. Their presentation for display or exhibition. Class and laboratory: 6 hours. Credit: 3 semester hours per course.

433, 434—Problems in Advertising Art. Study of reproduction techniques and typography and their application to product design and TV. Prerequisite: CA 333-334. Class and laboratory: 6 hours. Credit: 3 semester hours per course.

435, 436—Experiments in Form. Creative experimentation with the art elements and principles in abstract painting. Their modern use in display and layout and creative work. Prerequisite: CA 331-332. Class and laboratory: 6 hours. Credit: 3 semester hours per course.

DEPARTMENT OF MUSIC

Music Literature (MLt)

130—Appreciation of Fine Arts. (Same as Spc 130 and CA 130). A survey course covering the areas of a. art, b. music, c. theatre. To be taught by any representatives of the art, music, and speech faculties. Class: 3 hours. Credit: 3 semester hours.

331—Children's Music. Techniques and materials in teaching of music in the elementary school. The child's voice; rote singing, rhythmic; introduction of notation; creative music activities. Prerequisite: MTy 131 or equivalent. Class: 3 hours. Credit: 3 semester hours.

332—Children's Music. Techniques and materials in teaching of music in the upper elementary grades. Creative music, rhythmic activity, rote singing, reading of notation, and effective use of materials. Class: 3 hours. Credit: 3 semester hours.

Music Theory (MTy)

131—Elements of Music. A study of scales, chords, musical terminology, signatures, sight singing and rhythms. Designed to prepare students for advanced study in music theory or to familiarize non-music majors with the meaning of musical notation and the harmonic, melodic, and rhythmic structure of music. Class: 3 hours. Credit: 3 semester hours.

132, 133—Elementary Harmony. Elementary keyboard and written harmony; sight singing; ear training. Prerequisite: MTy 131 or by advanced standing exam. Class: 5 hours. Credit: 3 semester hours.

DEPARTMENT OF SPEECH

Speech (Sp)

130—Appreciation of the Fine Arts. (Same as M.Lit. 130 and Art 130). A survey course covering the areas of a. art, b. music, c. theatre. To be taught by representatives of the art, music, and speech faculties. Class: 3 hours. Credit: 3 semester hours.

131—Fundamentals of Effective Speech. Instruction in the theory of the voice, articulation, pronunciation, bodily activity, language, and the elements of speech preparation. Practice in the presentation of speeches and printed material with emphasis on the use of the fundamentals of speech production. Class: 3 hours. Credit: 3 semester hours.

133—Voice Science. Phonetic transcription, regional and foreign dialects, the application of phonetic study to speech correction. Class: 3 hours. Credit: 3 semester hours.

134—Speech Correction: A Survey. An introduction to the study of speech correction. A survey of the defects of speech with particular emphasis on articulation defects and voice problems. Class: 3 hours. Credit: 3 semester hours.

331—Business and Professional Speech. Application of the fundamentals of speech production to the needs of the professional man or woman. Practice in gathering and organizing material for speeches for special

occasions. Emphasis is given to extemporaneous speaking, conferences and discussion group speaking, and report presentations. Class: 3 hours. Credit: 3 semester hours.

333—Storytelling. Study of stories for different ages of children; study of sources of stories; practice in adapting story material from various sources; building story-hour programs; practice in telling stories in laboratory and in nearby schools, hospitals, and homes; practice in writing stories for children. Class: 3 hours. Credit: 3 semester hours.

336—Creative Dramatics. Instruction in the methods of introducing creative dramatics into the elementary and junior high schools, and the presentation of projects related to the development of creative play-making in the home, community, and school. Class: 3 hours. Credit: 3 semester hours.

430—Problems and Projects in Speech. These problems are discussed and analyzed through discussion and research. Each student selects a project or problem on which he does extensive research and presents a report to the department faculty. Class: 3 hours. Credit: 3 semester hours.

438—Directing Secondary School Speech Activities. Principles involved in extra-curricular activities such as plays, debate, extemporaneous speaking, declamation, interpretation, radio and television. Practical experience with workshop students constitutes a part of this course. (Offered in summer terms only.) Class: 15 hours per week for 3 weeks, plus laboratory as arranged. Credit: 3 hours.

Registration

First Term

Registration--June 6
 Classes Begin--June 7, 7:00 a.m.
 Last Day for Registration or for Adding
 Courses--June 8, 7:00 p.m.
 Last Day for Dropping or for With-
 drawing--June 27, 7:00 p.m.

Final Examination Schedule

First Term			
GROUP	DAY	TIME	
A--	7:00 a.m. - 8:20 a.m.	July 15	7- 9
B--	8:30 a.m. - 9:50 a.m.	July 14	7- 9
C--	10:00 a.m. - 11:20 a.m.	July 14	10-12
D--	11:30 a.m. - 12:50 p.m.	July 15	10-12
E--	1:00 p.m. - 2:20 p.m.	July 14	1- 3
G--	6:00 p.m. - 8:00 p.m.	July 14	6- 8
F--	(Time Arranged)	July 15	1- 3

FIRST TERM

GROUP A (7:00 a.m. - 8:20 a.m.)

Acc 231- 1 Principles	115B	Galliher
BA 335- 1 Indus Mgmt	118B	Bailey
BA 532- 1 Prob Bus Fin	111B	Bennett
Bib 133- 1 Life Tch Jesus	CCSC	Degge
Bio 141- 1 Gen Biology	101BG	Ramsey
CA 337- 1 Pub Sch Art	202AB	Madden
CA 431- 1 Oil Painting	205AB	O'Neill
CA 435- 1 Exper Form	205AB	O'Neill
Che 342- 1 Chm Proc Prn	126E1	McAllister
Chm 241- 1 Quant Anal	102C	Yerick
Edu 331- 1 Found Edu	3ES	Hybarger
Edu 437- 1 Sci Soc StMth	4ES	Wilbanks
Edu 539- 1 Dev Reading	1ES	Salter
Egr 132- 1 Mech I	103E2	Beale
Egr 232- 1 Mech III	134E1	Delflache
Eng 131- 1 Composition	202B	
Eng 131- 2 Composition	107B	
Eng 131- 3 Composition	105B	
Eng 131- 4 Composition	105BG	
Eng 131- 5 Composition	206B	
Eng 132- 1 Composition	102BG	
Eng 132- 2 Composition	110BG	
Eng 231- 1 Srvy Brit Lit	108LA	Allen
Eng 231- 2 Srvy Brit Lit	201BG	Staff
Eng 331- 1 Srvy Am Lit	115LA	Zink
Ger 131- 1 First Year Ger	203LA	Lockhart
Gov 231- 1 Am Const	104B	Dawson
Gov 232- 1 Am St Orgn	201B	King
Hec 131- 1 Food Prep	8H	Daggett
Hec 338- 1 Cur Mat Eval	3H	Anderson
His 131- 1 World History	118LA	MacDonald
His 134- 1 Texas History	120LA	Wooster
His 231- 1 United States	213B	Renberg
His 232- 1 United States	211B	Woodland
HPE 111M- 1 Fr Act Phs Ft	MG	Jacob
HPE 227M- 1 Swimming	Pool	Rogas
Mth 131- 1 Finite Mth I	104C	Edwards
Mth 132- 1 Finite Mth II	106C	Staff
Mth 133- 1 Trig	2ES	Staff
Mth 134- 1 College Alg	5ES	Staff
Mth 138- 1 Analysis I	204B	Gilson
Mth 231- 1 Analysis III	111BG	Wolkeau
Mth 4301- 1 Adv Calculus	203BG	Dingle
Mty 131- 1 Elements Mus	101MS	Seiler
Phl 231- 1 Intro Phl	110LA	Wall
Phy 137- 1 Desc Astron	116B	Peebles
Psy 231- 1 General Psy	216B	Cunningham
Soc 131- 1 Intro to Soc	102B	Ellis
Spc 131- 1 Fundamentals	107MS	Meyer
Spc 131- 2 Fundamentals	6ES	Achilles

GROUP B (8:30 a.m. - 9:50 a.m.)

Acc 231- 2 Principles	115B	Barlow
Ant 231- 1 Intro to Ant	110LA	Massoth
BA 334- 1 Marketing	102B	Brock
BA 431- 1 Statistics	111B	Staff
BA 435- 1 Human Rel	118B	Staff
Bib 133- 2 Life of Jesus	CCSC	Degge
Bio 141- 2 General Bio	101BG	Hayes
CA 137- 1 Lang of Art	100AB	Boughton
CA 333- 1 Adv Advert	203AB	Kerr
CA 337- 2 Pub Sch Art	202AB	Madden
CA 433- 1 Prob in Adv	203AB	Kerr
Chm 141- 1 General	102C	Fields
Eco 437- 1 Inter Theory	201B	Partin
Edu 3301- 1 Sur Exc Chd	2ES	Cheek
Edu 333- 1 Lang Arts Mth	3ES	Ilika
Edu 335- 1 Arith Meth	5ES	Blackburn
Edu 438- 1 Cls Mgt Sec	1ES	Self
Edu 534- 1 Adv Hum Dev	4ES	Walton
EE 331- 1 Circuits I	126E1	Carlin
Egr 221- 1 Mat Science	134E1	Thomas
Eng 131- 6 Composition	105BG	
Eng 131- 7 Composition	206B	
Eng 131- 8 Composition	111BG	
Eng 132- 3 Composition	216BG	
Eng 231- 3 Srvy Brit Lit	107B	Reaves
Eng 232- 1 Srvy Brit Lit	105B	Jones
Eng 333- 1 Shakespeare	108LA	Renfrow
Eng 4314- 1 Amer Realism	115LA	Rule
Fre 231- 1 Read Cmp Cnv	201BG	Holt
Gov 231- 2 Am Const	107BG	Tucker
Gov 337- 1 Am Diplomacy	AnxES	Fornell
Hec 131- 1 Food Prep	8H	Daggett
Hec 332- 1 Nutrition	3H	Harp
His 131- 2 World History	118LA	Gwin
His 231- 2 United States	202BG	Satterfield
His 231- 3 United States	204B	Isaac
His 4314- 1 Civil War	120LA	Wooster
His 534- 1 Readings Eur	116B	Mackey
HPE 111M- 2 Fr Act Phs Ft	MG	Higgins
HPE 211M- 1 Soph Activity	MG	Jacob
HPE 228M- 1 Sr Life Saving	Pool	Rogas
HPE 233M- 1 Phy Ed Elm	107MG	Frederick
HPE 334M- 1 Driver Edu	100MG	Tipton
HPE 113W- 1 Beg Swim	Pool	Wilson
HPE 113W- 2 Beg Swim	Pool	Holm
HPE 114W- 1 Int Swim	Pool	Wilson
HPE 211W- 1 Activity	AnxUG	Wilson
Mth 131- 2 Finite Mth I	104C	Bell L
Mth 134- 2 College Alg	203BG	Mei
Mth 135- 1 Contemp Mth I	106C	Wood

Mth 138- 2 Analysis I 110BG Harvill
Mth 139- 1 Analysis II 209BG Dement
Mth 232- 1 Analysis IV 213BG Bell K
Mth 331- 1 Diff Equation 108BG Brenizer
Mth 335- 1 Modern Alg 103E2 Mades
Mty 131- 2 Elements Mus 103MS Brooks
Mty 133- 1 Ele Harmony 101MS Holmes
Phy 141- 1 Mech Snd Ht 104B Rigney
Psy 231- 2 General Psy 216B Buller
Psy 235- 1 Adolescent 213B Bell M
Sec 331- 1 Sec Proc 202B Darsey
Soc 131- 2 Intro to Soc 102BG Sheinberg
Spa 131- 1 First Yr Spa 203LA Zellner
Spc 133- 1 Voice Science 6ES Achilles
Spc 331- 1 Bus & Prof 105MS Anderson
Spc 438- 1 Dir Sec Sch 107MS Skinner

GROUP C (10:00 a. m. -11:20 a. m.)

Acc 334- 1 Element Cost 118B Bennett
Acc 431- 1 Advanced 115B Galliher
BA 134- 1 Intro to Bus 213B Williams
BA 336- 1 Personnel Mgt 111B Bailey
Bib 111- 1 Acts of Apostle 101BSU Wray
Bio 141- 3 General Bio 101BG Bryan
Bio 347- 1 Genetics 102BG Waddell
Bio 441- 1 Parasitology 108BG Turco
CA 130- 1 Appr Fine Art 100AB O'Neill
CA 337- 3 Pub Sch Art 202AB Kerr
Chm 341- 1 Organic 102C Cameron
Edu 330- 1 Tea Med Pro 2ES Mang
Edu 338- 1 Cur Mat Sec 5ES Hybarger
Edu 439- 1 Nat Nds Neur 1ES Cheek
Edu 5316- 1 Adm Sup Spe 4ES Sontag
Edu 536- 1 Pro Tea La 3ES Ilika
Egr 331- 1 HMMT I 134E1 Mei
Eng 131- 9 Composition 105BG
Eng 131-10 Composition 111BG
Eng 131-11 Composition 107B
Eng 132- 4 Composition 105B
Eng 232- 2 Srvy Brit Lit 115LA Staff
Eng 435- 1 17th Century 108LA Frissell
Eng 535- 1 Matthew Arnold 206B Zink
Ger 231- 1 First Yr Ger 203LA Lockhart
Gov 231- 3 Am Const 107BG King
Gov 231- 4 Am Const AudES Fornell
Gov 3315- 1 Am Pol Thgt 104B Platt
Hec 124- 1 Found in Hec 3H Harp
Hec 235- 1 Meal Mgt 8H Daggett
His 132- 1 World History 118LA Gwin
His 231- 4 United States 120LA Spencer
His 231- 5 United States 201B Renberg
His 232- 2 United States 214B Woodland
His 4325- 1 Tud Stuart 116B MacDonald
HPE 112M- 1 Phys Fitness MG Jacob
HPE 237M- 1 WSI Course Pool Rogas
HPE 534M- 1 Sc Base Exer 107MG Williams
HPE 113W- 3 Beg Swim Pool Haskins
HPE 113W- 4 Beg Swim Pool Wilson
HPE 114W- 2 Int Swim Pool Haskins
HPE 331W- 1 H Ed Elm Sch 100MG Holm
ME 435- 1 Turbo Mach 156E1 Brown
Mlt 130- 1 App Fine Arts 101MS Balabanis
Mlt 331- 1 Children Music 103MS Parks
Mth 131- 3 Finite Mth I 104C Archer
Mth 134- 3 College Aig 106C Staff
Mth 138- 3 Analysis I 202BG Edwards

Mth 139- 2 Analysis II 110BG Latimer
Mth 232- 2 Analysis IV 213BG Wolkeau
Mth 233- 1 Linear Alg 203BG Gilson
Mth 338- 1 Adv Calculus 103E2 Dingle
Phi 231- 2 Intro Phil 204B Wall
Phy 241- 1 Egr Heat El 209BG Goines
Psy 232- 1 Statistics 216B Buller
Sec 344- 1 Bus Com 202B Hall
Soc 132- 1 Social Prob 110LA Varnes
Soc 431- 1 Population 102B Ellis
Spa 335- 1 Adv Spa Com 216BG Hensley
Spc 130- 1 Appr Fine Art 105MS Meyer
Spc 131- 3 Fundamental 6ES Canon
Spc 430- 1 Prob & Proj 107MS Skinner

GROUP D (11:30 a. m. -12:50 p. m.)

Acc 331- 1 Intermediate 115B Barlow
BA 431- 2 Statistics 111B Staff
BA 433- 1 Advertising 118B Brock
Bio 243- 1 Microbiology 102BG Fitzgerald
Bio 341- 1 Histology 110BG Long
Bio 445- 1 Marine Bio 108BG Forbes
Chm 142- 1 General 102C Mers
Eco 231- 1 Principles 202B Baldwin
Eco 438- 1 Macro Eco 204B Partin
Edu 3311- 1 Nat Men Rtd 2ES Sontag
Edu 332- 1 Edu Psy AudES Rodgers
Edu 334- 1 Cur Mat Elm 5ES Wilbanks
Edu 337- 1 Test Eval Sch 3ES Walton
Edu 339- 1 Reading Meth 1ES Blackburn
Edu 5319- 1 Pro Sec Ins 4ES Self
Egr 122- 1 Digital M-Th 103E2 Mei
Egr 333- 1 Electronics I 134E1 Bohrer
Eng 131-12 Composition 203BG
Eng 131-13 Composition 116B
Eng 131-14 Composition 105MS
Eng 132- 5 Composition 105BG
Eng 132- 6 Composition 206B
Eng 231- 4 Srvy Brit Lit 107B Renfrow
Eng 231- 5 Srvy Brit Lit 105B Harvill
Eng 331- 2 Srvy Amer Lit 115LA Rule
Eng 439- 1 Romantic Per 108LA Hagelman
Fre 131- 1 First Yr Fre 201B Holt
Geg 230- 1 World Geg 102B Massoth
Geo 141- 1 Physical Geo 201BG Staff
Gov 231- 5 Am Const 104B Tucker
Gov 232- 2 Am St Gov 101BG Bath
Hec 235- 1 Meal Mgt 8H Daggett
His 131- 3 World His 211B Mackey
His 231- 6 United States 213B Satterfield
His 232- 3 United States 120LA Isaac
His 432- 1 Fr Rev Nap 118LA Williams
HPE 227M- 2 Swimming Pool Frederick
HPE 235M- 1 Health Edu 107MG Williams
HPE 320M- 1 First Aid 100MG Tipton
HPE 113W- 5 Beg Swim Pool Haskins
HPE 113W- 6 Beg Swim Pool Holm
HPE 115W- 1 Life Saving Pool Wilson
Mth 131- 4 Finite Math I 104C Brenizer
Mth 134- 4 College Alg 202BG Staff
Mth 137- 1 Cont Mth II 106C Dement
Mth 138- 4 Analysis I 107BG Bell L
Mth 231- 2 Analysis III 213BG Bell K
Mth 3301- 1 Data Pro I 126E1 Mei
Mth 431- 1 Complex Var 216BG Wood

Mty	131-	3	Element Mus	103MS	Brooks
Mty	133-	2	Ele Harmony	101MS	Holmes
Psy	234-	1	Child Psy	216B	Bell M
Sec	121-	1	Beg Typing	203B	Darsey
Soc	131-	3	Intro to Soc	110LA	Sheinberg
Soc	430-	1	Seminar	214B	Boren
Spc	131-	4	Fundamentals	107MS	Anderson
Spc	333-	1	Storytelling	6ES	Canon

GROUP E (1:00 p.m.-2:20 p.m.)

BA	134-	2	Intro to Bus	111B	Staff
BA	333-	1	Insurance	118B	Williams
Chm	143-	1	Introductory	102C	Johnson
Eco	231-	2	Principles	204B	Miller
Edu	331-	2	Found Edu	1ES	Rodgers
Edu	434-	1	Cls Mat Elm	3ES	Mang
Edu	537-	1	Elm Sch Cur	2ES	Hargrove
Eng	131-15		Composition	107B	
Eng	131-16		Composition	105BG	
Eng	131-17		Composition	116B	
Eng	131-18		Composition	216B	
Eng	132-	7	Composition	105B	
Eng	132-	8	Composition	206B	
Eng	232-	3	Srvy Brit Lit	115LA	Branom
Eng	530-	1	Bib Research	108LA	Frissell
Gov	231-	6	Am Const	101BG	Platt
His	231-	7	United States	120LA	Spencer
HPE	532W-	1	Seminar	100MG	Haskins
Mth	131-	5	Finite Mth I	104C	Harvill
Mth	132-	2	Finite Mth II	106C	Mades
Mth	133-	2	Trig	134E1	Staff
Mty	131-	4	Element Mus	101MS	Balabanis
Soc	131-	4	Intro to Soc	102B	Varnes
Spa	231-	1	Read Cmp Cnv	201B	Hensley

GROUP F (Time Arranged)

Bio	430-	1	Undergrad Prb	106BG	Hayes
Chm	427-	1	Intro Res		Staff
Chm	437-	1	Intro Res		Staff
Chm	447-	1	Intro Res		Staff
Eng	669A-	1	Thesis		Staff
Eng	669B-	1	Thesis		Staff
Geo	360-	1	Field Camp	Field	Davis
Geo	360-	2	Field Camp	Field	Dean
His	669A-	1	Thesis		
His	669A-	2	Thesis		
His	669A-	3	Thesis		
His	669B-	1	Thesis		
His	669B-	2	Thesis		
His	669B-	3	Thesis		
HPE	430M-	1	Prob HPE	106MG	Higgins
Mth	536-	1	Integ Equat	134E1	Stark
Mth	669A-	1	Thesis	209E1	Stark
Mth	669B-	1	Thesis	209E1	Stark
Phy	414-	1	Expr Proj		Staff
Phy	415-	1	Expr Proj		Staff

GROUP G (6:00 p.m.-8:00 p.m.)

Eco	231-	3	Principles	118B	Baldwin
Eco	334-	1	Public Fin	111B	Miller
Eng	131-19		Composition	206B	
Eng	132-	9	Composition	108LA	
Eng	231-	6	Srvy Brit Lit	115LA	Clark
Gov	231-	7	Am Const	104B	Bath
Mth	134-	5	College Alg	126E1	Faris

Laboratories

Bio	141-1	Gen Biology	113BG	11:30- 1:20	MWF Ramsey
Bio	141-2	Gen Biology	113BG	11:30- 1:20	MTT Bryan
Bio	141-3	Gen Biology	111BG	11:30- 1:20	TTF Staff
Bio	141-4	Gen Biology	110BG	11:30- 1:20	MWF Olson
Bio	243-1	Microbiology	110BG	1:30- 4:20	MWF Fitzgerald
Bio	341-1	Histology	110BG	1:30- 4:20	MTT Long
Bio	347-1	Genetics	111BG	1:30- 4:20	TWT Waddell
Bio	441-1	Parasitology	108BG	1:30- 4:20	MWF Turco
Bio	445-1	Marine Bio	108BG	1:30- 4:20	TTF Forbes
Che	342-1	Chm Pro Prn	126E1	1:00- 4:00	McAllister
Chm	141-1	General	204C	2:00- 5:00	MTT Fields
Chm	142-1	General	203C	2:00- 5:00	MTT Mers
Chm	143-1	Introductory	210C	2:30- 5:30	WF Johnson
Chm	241-1	Quant Anal	201C	8:30-11:30	M-F Yerick
Chm	341-1	Organic	210C	1:00- 5:00	MTT Cameron
EE	317-1	Jr EE Lab	E1E1	1:00- 4:00	MWF Carlin
Egr	121-1	Egr Graph	204E2	7:00-10:00	Henry
Egr	121-2	Egr Graph	204E2	1:00- 4:00	Henry
Egr	122-1	Digital Comp	103E2	11:30- 2:30	MWF Mei
Egr	122-2	Digital Comp	126E1	1:00- 4:00	MTT Carlin
Geo	141-1	Physical Geo	203BG	1:00- 4:00	MW Staff
Geo	141-2	Physical Geo	203BG	1:00- 4:00	TT Staff
Phy	141-1	Mech Snd Ht	E13E1	11:30- 1:30	MTT Peebles
Phy	141-2	Mech Snd Ht	E13E1	1:30- 3:30	MTT Peebles
Phy	241-1	Egr Heat Elm	E13E1	1:00- 4:00	MWF Goines
Sec	344-1	Bus Com	202B	1:00- 2:00	M-F Hall

Registration

Second Term

Registration--July 18
 Classes Begin--July 19, 7:00 a. m.
 Last Day for Registration or for Adding
 Courses--July 20, 7:00 p. m.
 Last Day for Dropping or With-
 drawing--August 8, 7:00 p. m.

Final Examination Schedule

Second Term

GROUP	DAY	TIME
A-- 7:00 a. m. - 8:20 a. m.	Aug. 26	7- 9
B-- 8:30 a. m. - 9:50 a. m.	Aug. 25	7- 9
C--10:00 a. m. -11:20 a. m.	Aug. 25	10-12
D--11:30 a. m. -12:50 p. m.	Aug. 26	10-12
E-- 1:00 p. m. - 2:20 p. m.	Aug. 25	1- 3
G-- 6:00 p. m. - 8:00 p. m.	Aug. 25	6- 8
F--(Time Arranged)	Aug. 26	1- 3

SECOND TERM

GROUP A (7:00 a. m. -8:20 a. m.)

BA 331- 1 Business Law	118B	Stelley
BA 334- 1 Marketing	202B	Taylor D
Bib 133- 1 Life Jesus	CCSC	Degge
CA 337- 1 Pub Sch Art	202AB	Rogan
CA 432- 1 Oil Painting	205AB	Newman
CA 436- 1 Exper Form	205AB	Newman
Che 333- 1 Thermo	126E1	McAllister
Eco 333- 1 Corp Fin	111B	Allen
Egr 234- 1 Thermo	134E1	Thomas
Eng 131- 1 Composition	201B	
Eng 131- 2 Composition	105BG	
Eng 132- 1 Composition	116B	
Eng 132- 2 Composition	206B	
Eng 132- 3 Composition	102B	
Eng 232- 1 Srvy Brit Lit	108LA	Staff
Eng 232- 2 Srvy Brit Lit	107B	Thomas
Eng 334- 1 Adv Grammar	115LA	Emmons
Ger 132- 1 First Yr Ger	204B	Straughan
Gov 231- 1 Am Const	101BG	Yuan
Gov 232- 1 Am St Gov	107BG	Coffey
His 231- 1 United States	120LA	Seale
His 232- 1 United States	118LA	Satterfield
HPE 22M- 1 Swimming	Pool	Mullin
Mth 131- 1 Finite Mth I	104C	Staff
Mth 132- 1 Finite Mth II	106C	Staff
Mth 138- 1 Analysis I	111BG	Lauffer
Mth 231- 1 Analysis III	113BG	Baj
Mth 433- 1 Vector Analys	103E2	Ford
Mty 131- 1 Element Mus	101MS	Moore
Soc 132- 1 Social Prob	104B	Edwards
Soc 233- 1 Marriage	110LA	Gibson
Spc 131- 1 Fundamentals	107MS	Jacob

GROUP B (8:30 a. m. -9:50 a. m.)

Acc 232- 1 Principles	115B	Davis
Ant 231- 1 Intro to Ant	110LA	Butler
BA 134- 1 Intro to Bus	118B	Hay
BA 432- 1 Statistics	111B	Kirksey
Bib 133- 2 Life of Jesus	CCSC	Degge
Bio 142- 1 Gen Bio	101BG	Gatlin
CA 334- 1 Adv Advertis	203AB	Hock
CA 338- 1 Pub Sch Art	202AB	Rogan
CA 434- 1 Prob in Adv	203AB	Hock
Chm 142- 1 General	102C	Harmon
Eco 232- 1 Principles	204B	Pearson
Edu 334- 1 Cur Mat Elm	3ES	Hybarger
Edu 430- 1 Edu Men Trd	2ES	Sontag
Edu 531- 1 Research	4ES	Adams

EE 332- 1 Circuits II	134E1	Watt
Egr 332- 1 HMMT II	126E1	Mei
Eng 131- 3 Composition	103MS	
Eng 132- 4 Composition	105BG	
Eng 132- 5 Composition	206B	
Eng 132- 6 Composition	1ES	
Eng 231- 1 Srvy Brit Lit	102BG	Staff
Eng 232- 3 Srvy Brit Lit	102B	Clark
Eng 4321- 1 Autobiograph	108LA	Olson
Eng 539- 1 Am Lit Sem	115LA	Schweinitz
Fre 232- 1 Read Cmp Cnv	108BG	Lusk
Gov 231- 2 Am Const	202BG	Platt
Gov 232- 2 Am St Gov	201BG	Tucker
Gov 232- 3 Am St Gov	107BG	Stevens
His 131- 1 World His	118LA	MacDonald
His 232- 2 United States	107B	Sutton
His 232- 3 United States	105B	Ware
His 437- 1 Am South	120LA	Wooster
HPE 112M- 1 Fr Act Phy Ft	MG	Tubbs
HPE 113W- 1 Beg Swim	Pool	Gremillion
HPE 113W- 2 Beg Swim	Pool	Baker
HPE 114W- 1 Int Swim	Pool	Baker
HPE 211W- 1 Activity	UG	Gremillion
HPE 22M- 1 Sr Life Saving	Pool	Gunn
HPE 23M- 1 Phy Ed Elm	107MG	Terrell
HPE 53M- 1 Org Adm Hlth	100MG	Mullin
Mth 131- 2 Finite Mth I	104C	Wood
Mth 133- 1 Trig	110BG	Staff
Mth 134- 1 College Alg	106C	Staff
Mth 234- 1 Prob and Stat	111BG	Read B
Mth 339- 1 Adv Cal	113BG	Crim
Phy 142- 1 Elec Mgn Lt	216B	Biser
Phy 335- 1 Atomic Phy	116B	Shepherd
Psy 231- 1 General Psy	213B	Flocke
Psy 332- 1 Psy of Person	211B	Breining
Sec 332- 1 Dict & Trans	201B	Vaughn
Soc 339- 1 Juvenile Del	104B	Drenan
Spa 132- 1 First Yr Spa	202B	Pineda
Spc 131- 2 Fundamentals	105MS	Jacob
Spc 134- 1 Spc Crtn Sur	6ES	Schuman
Spc 333- 1 Storytelling	107MS	Blanton

GROUP C (10:00 a. m. -11:20 a. m.)

Acc 432- 1 Advanced	115B	Landes
BA 331- 2 Business Law	118B	Stelley
BA 337- 1 Selling	211B	Taylor D
Bib 134- 1 Life of Paul	BSU	Wray
Bio 531- 1 Sem Bio Sci	101BG	Hayes
CA 130- 1 Appr Fine Art	100AB	Newman

CA 337- 2	Public Sch Art	202AB	Hock
Chm 342- 1	Organic	102C	Eads
Eco 232- 2	Principles	111B	Allen
Edu 331- 1	Found Edu	3ES	Rodgers
Edu 339- 1	Read Meth	2ES	Harlan
Edu 438- 1	Cls Mgt Sec	1ES	Permenter
Egr 231- 1	Mech II	134E1	Beale
Egr 233- 1	Circuit Flds	126E1	Cherry
Eng 131- 4	Composition	202B	
Eng 131- 5	Composition	213B	
Eng 132- 7	Composition	116B	
Eng 132- 8	Composition	108LA	
Eng 138- 1	Srvy Journal	105BG	
Eng 231- 2	Srvy Brit Lit	206B	Staff
Eng 232- 4	Srvy Brit Lit	102B	Jones
Eng 431- 1	Chaucer	115LA	Emmons
Ger 232- 1	Read Cmp Cnv	204B	Straughan
Gov 232- 4	Am St Gov	201BG	Mattingly
Gov 232- 5	Am St Gov	107BG	Coffey
Gov 3314- 1	Modern China	102BG	Yuan
His 132- 1	World History	118LA	Williams
His 231- 2	United States	105B	Lacy
His 232- 4	United States	202BG	Satterfield
His 4324- 1	Latin America	107B	Seale
His 531- 1	US Histograph	120LA	Wooster
HPE 111M- 1	Fr Act Phy Ft	MG	Gunn
HPE 113W- 3	Beg Swim	Pool	Gremillion
HPE 114W- 2	Int Swim	Pool	Gremillion
HPE 115W- 1	Life Saving	Pool	Baker
HPE 212M- 1	Soph Activity	MG	Tubbs
HPE 431M- 1	Rec Leader	107MG	Terrell
Mlt 130- 1	App Fine Arts	101MS	Moore
Mth 132- 2	Finite Mth II	104C	Archer
Mth 133- 2	Trig	216B	Staff
Mth 134- 2	College Alg	106C	Baj
Mth 138- 2	Analysis I	103E2	Ford
Mth 139- 1	Analysis II	203BG	Latimer
Mth 4312- 1	Data Pro II	209BG	Lauffer
Mty 131- 3	Elements Mus	103MS	Wadenpfohl
Soc 132- 2	Social Prob	104B	Edwards
Soc 330- 1	Am Society	110LA	Gibson
Spa 336- 1	Adv Comp Cnv	201B	Hensley
Spc 130- 1	Appr Fine Art	105MS	James
Spc 131- 3	Fundamentals	6ES	Schuman
Spc 336- 1	Crtv Dram	107MS	Blanton

GROUP D (11:30 a. m. -12:50 p. m.)

Acc 332- 1	Intermediate	115B	Davis
BA 336- 1	Personnel	204B	Hay
Bio 240- 1	Vert Com An	105BG	Tanzer
Bio 244- 1	Disease Im	102BG	Smith
Bio 345- 1	General Bot	108BG	Runnels
Chm 333- 1	Inorganic	102C	Mejia
Eco 336- 1	Labor Eco	111B	Parigi
Eco 339- 1	Eco of Firm	118B	Pearson
Edu 335- 1	Arith Meth	3ES	Adams
Edu 338- 1	Cur Mat Sec	4ES	Hybarger
Edu 431- 1	Psy Exc Chd	2ES	Sontag
Edu 434- 1	Cls Mgt Elm	1ES	Harlan
Egr 122- 1	Digital Comp	134E1	Mei
Egr 334- 1	Mech IV	103E2	Rogers
Eng 131- 6	Composition	102B	
Eng 131- 7	Composition	213B	
Eng 132- 9	Composition	105MS	

Eng 132-10	Composition	206B	
Eng 231- 3	Srvy Brit Lit	202B	Staff
Eng 232- 5	Srvy Brit Lit	202BG	Bird
Eng 332- 1	Srvy Am Lit	115LA	Schweinitz
Fre 132- 1	First Yr Fre	100MG	Lusk
Geg 230- 1	World Geg	104B	Butler
Geo 142- 1	Historical Geo	201BG	Staff
Gov 231- 3	Am Const	107BG	Stevens
Gov 232- 6	Am St Gov	101BG	Tucker
His 132- 2	World History	118LA	MacDonald
His 231- 3	United States	105B	Lacy
His 232- 5	United States	107B	Sutton
His 4311- 1	Colonial US	120LA	Ware
HPE 212M- 2	Soph Activity	MG	Gunn
HPE 227M- 2	Swimming	Pool	Tubbs
Mlt 332- 1	Children Mus	101MS	Elsley
Mth 131- 3	Finite Mth I	104C	Staff
Mth 132- 3	Finite Mth II	106C	Staff
Mth 134- 3	College Alg	203BG	Staff
Mth 139- 2	Analysis II	216BG	Read B
Mth 432- 1	Comp Var	209BG	Wood
Mty 131- 2	Element Mus	101MS	Elsley
Phy 242- 1	Egr Snd Lt	213BG	Landegren
Psy 231- 2	Gen Psy	216B	Breining
Psy 432- 1	Abnormal Psy	211B	Flocke
Mty 131- 4	Elements Mus	103MS	Wadenpfohl
Sec 135- 1	Records	201B	Vaughn
Soc 132- 3	Social Prob	110LA	Drenan
Spa 334- 1	Int Spa Am Lit	116B	Hensley
Spc 131- 4	Fundamentals	107MS	James

GROUP E (1:00 p. m. -2:20 p. m.)

BA 432- 2	Statistics	111B	Kirksey
Chm 144- 1	Introductory	102C	Johnson
Eco 233- 1	Prin & Pol	118B	Browning
Edu 332- 1	Edu Psy	1ES	Rodgers
Edu 333- 1	Lang Arts Mth	2ES	Permenter
Edu 532- 1	Curr Iss Edu	3ES	McLaughlin
Eng 131- 8	Composition	201B	
Eng 132-11	Composition	107B	
Eng 132-12	Composition	115LA	
Eng 232- 6	Srvy Brit Lit	108LA	Staff
Gov 232- 7	Am St Gov	101BG	Platt
Soc 336- 1	Race Relation	110LA	Boren
Spa 232- 1	Read Cmp Cnv	204B	Pineda

GROUP F (Time Arranged)

Chm 427- 1	Intro Res		Staff
Chm 437- 1	Intro Res		Staff
Chm 447- 1	Intro Res		Staff
Eng 669A- 1	Thesis		Staff
Eng 669B- 1	Thesis		Staff
His 669A- 1	Thesis		
His 669A- 2	Thesis		
His 669A- 3	Thesis		
His 669B- 1	Thesis		
His 669B- 2	Thesis		
His 669B- 3	Thesis		
HPE 416- 1	St Tch Dr Edu	106MG	Higgins
HPE 430- 1	Prob HPE	106MG	Higgins
Mth 4302- 1	Adv Cal	126E1	Crim
Mth 669A- 1	Thesis	205E1	Latimer
Mth 669B- 1	Thesis	205E1	Latimer
Phy 414- 1	Expr Proj		Biser
Phy 415- 1	Expr Proj		Shepherd

GROUP G (6:00 p.m. -8:00 p.m.)

Eco 232- 3 Principles	118B	Browning
Eco 435- 1 Comp System	111B	Parigi
Eng 131- 9 Composition	206B	
Eng 132-13 Composition	115LA	
Eng 232- 7 Srvy Brit Lit	108LA	Staff
Gov 232- 8 Am St Gov	104B	Mattingly
Mth 133- 3 Trig	126E1	Faris

Laboratories

Bio 142-1 Gen Biology	113BG	11:30- 1:20	MWF	Gatin
Bio 142-2 Gen Biology	113BG	11:30- 1:20	MTT	Olson
Bio 142-3 Gen Biology	111BG	11:30- 1:20	TTF	Staff
Bio 240-1 Vert Com Ant	111BG	1:30- 4:20	M-Th	Tanzer
Bio 244-1 Disease Im	110BG	1:30- 4:20	MWF	Smith
Bio 345-1 General Bot	108BG	1:30- 4:20	MTT	Runnels
Chm 142-1 General	201C	2:00- 5:00	MTT	Harmon
Chm 142-2 General	203C	2:00- 5:00	MTT	Mejia
Chm 144-1 Introductory	210C	2:30- 5:30	WF	Johnson
Chm 342-1 Organic	210C	1:00- 5:00	MTT	Eads
EE 318-1 Jr EE Lab	E1E1	1:00- 4:30	MWF	Watt
Egr 122-1 Computer	134E1	11:30- 2:30	MWF	Mei
Egr 122-2 Computer	126E1	1:00- 4:00	MTT	Watt
Egr 211-1 Mech Lab	156E1	7:00- 8:20		Rogers
Egr 334-1 Mech IV Lab	103E2	1:00- 2:30		Rogers
Geo 142-1 Historical	209BG	1:00- 4:00	MW	Staff
Geo 142-2 Historical	209BG	1:00- 4:00	TT	Staff
Phy 142-1 Elec Mgn Lt	E13E1	11:30- 1:30	MTT	Biser
Phy 142-2 Elec Mgn Lt	E13E1	1:30- 3:30	MTT	Shepherd
Phy 242-1 Egr Snd Lt	E13E1	1:30- 4:30	MWF	Landegren

HOW TO ENTER LAMAR

If You Have Graduated from High School

1. Submit application for admission on the official form.
2. Submit a completed Health Data Form properly executed by a physician. This requirement applies only to students entering DAY CLASSES for the first time.
3. Request that Lamar Tech be sent a copy of your record as soon as 7 semesters have been completed. Immediately after graduation a supplementary transcript covering the last semester of work and certifying your graduation should be supplied.
4. Take the prescribed entrance test and have a record of the test scores sent to the college.
5. If you do not plan to live at home send your dormitory deposit (\$20.00) with request for space to Student Life Office, Lamar State College, Beaumont, Texas.

If You are Transferring from Another College

1. Submit application on the official form.
2. Submit the Health Data Form properly executed by a physician. This requirement applies to students entering DAY CLASSES for the first time.
3. Submit transcripts from EACH college previously attended. This requirement applies regardless of whether credit was earned or is desired. Make sure transcripts are sent under your present name.
4. Submit SAT scores if less than 18 semester hours have been earned. A total score of 700 is required.
5. If you do not plan to live at home send your dormitory deposit (\$20.00) with request for space to Student Life Office, Lamar State College, Beaumont, Texas.

If You are Applying as a Transient for Summer Work Only

1. Submit application for admission. Admission as a transient student is limited to students who were enrolled at another college during the spring semester immediately prior to the summer session for which admission is requested.

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