

**BULLETIN**  
**OF THE**  
**TEXAS TECHNOLOGICAL**  
**COLLEGE**

PUBLISHED MONTHLY

---

Vol. XII

March, 1936

No. 3

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**SUMMER SESSION**

FIRST TERM, JUNE 9 TO JULY 18

SECOND TERM, JULY 20 TO AUGUST 26

**1936**

LUBBOCK, TEXAS

---

Entered as second-class matter December, 1924, at the Postoffice  
at Lubbock, Texas, under the Act of August 24, 1912

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## SUMMER SESSION CALENDAR

1936

- June 9, Tuesday. Entrance examinations (for students who cannot present 15 fully accredited units).
- June 9, Tuesday. Registration.
- June 10, Wednesday. Classes begin 7:00 A. M. Late registration regulations in full force.
- July 4, Saturday, Holiday. Annual Texas Tech-Carlsbad Caverns Day; other trips arranged for those who are interested.
- July 17, 18. Friday, Saturday. Examinations for first term.
- July 18, Saturday. First term closes.
- July 20, Monday. Registration for second term.
- July 21, Tuesday. Classes begin at 7:00 A. M. Late registration regulations in full force.
- August 21, 22, Friday and Saturday. Examinations for seniors who graduate at close of summer session.
- August 25, Tuesday. Summer School Commencement and Graduation Exercises, 8:15 P. M.
- August 25, 26, Tuesday, Wednesday. Final examinations for second term.
- August 26, Wednesday. Summer school closes.

## COLLEGE CALENDAR, TWELFTH ANNUAL SESSION

## 1936

- September 14, Monday. Entrance examinations for students not meeting the regular admission requirements.
- September 15-16, Tuesday-Wednesday. Registration of all students.
- September 17, Thursday. Classes begin 8:00 A. M. Late registration regulations in full force.
- September 17, Thursday. Open house for all students by the churches of Lubbock, 8:00-10:00 P. M.
- September 20, Sunday. Special sermon for students in all Lubbock churches.
- September 22, Tuesday. Opening Convocation for all students and faculty. Annual address of President, 11:00 A. M.
- September 25, Friday. Annual reception to all students by President and Mrs. Knapp and the College Administrative Council, 8:00 P. M.
- November 11, Wednesday, Holiday.
- November 14, Saturday. Mid-semester reports due in Registrar's Office, 5:00 P. M.
- November 25, Wednesday. Thanksgiving Holidays begin, 5:00 P. M.
- November 30, Monday. Classes resumed, 8:00 A. M.
- December 22, Tuesday. Christmas Holidays begin, 6:00 P. M.

## 1937

- January 4, Monday. Classes resumed, 8:00 A. M.
- January 23-29, Saturday-Friday, inclusive. Final examinations for the first semester.
- February 1, Monday. Registration for all students for the second semester. Entrance examinations for students not meeting the regular admission requirements.
- February 2, Tuesday. Second semester classes begin 8:00 A. M. Late registration regulations in full force.
- March 24, Wednesday. Annual presentation, "Seven Last Words" by Du-boise, presented by Professor Blitz, Orchestra, and Chorus.
- March 26, Friday. Mid-semester reports due in the Registrar's Office, 5:00 P. M.
- March 26, Friday. Easter Recess begins, 6:00 P. M.
- March 30, Tuesday. Classes resumed. 8:00 A. M.
- May 27-June 3. Final examinations for the second semester.
- May 30, Sunday. Baccalaureate Sermon.
- May 31, Monday. Commencement Day.

## SUMMER SESSION 1937

- June 4-5, Friday, Saturday. Entrance examinations for students who cannot meet the regular admission requirements.
- June 7, Monday. Registration for first term summer school.



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## BOARD OF DIRECTORS

## OFFICERS OF THE BOARD

|                                    |         |
|------------------------------------|---------|
| CLIFFORD B. JONES, Chairman .....  | Spur    |
| DENNIS ZIMMERMANN, Treasurer ..... | Tulia   |
| W. T. GASTON, Secretary .....      | Lubbock |

## MEMBERS OF THE BOARD

|                           |           |
|---------------------------|-----------|
| CLIFFORD B. JONES .....   | Spur      |
| SPENCER A. WELLS .....    | Lubbock   |
| DENNIS ZIMMERMANN .....   | Tulia     |
| MRS. JOHN A. HALEY .....  | Midland   |
| MRS. EMMA G. MEHARG ..... | Plainview |
| JOE T. SNEED .....        | Amarillo  |
| JAMES M. WEST .....       | Houston   |
| MRS. W. R. POTTER .....   | Bowie     |
| TOMAS G. POLLARD .....    | Tyler     |

## OFFICERS OF ADMINISTRATION

The first date after the title indicates the year of first appointment to any position in the institution; the second, the year of appointment to present rank.

BRADFORD KNAPP, B. S., LL. B., D. Agri., President, 1932.

OTTO VINCENT ADAMS, B. S. in C. & I. E., M. S. E., Dean of the Division of Engineering, 1927, 1933.

ARTHUR HENRY LEIDIGH, B. S., M. S., Dean of the Division of Agriculture, 1925.

JAMES MARCUS GORDON, B. A., M. A., LL. D., Dean of Division of Arts and Sciences and Dean of Men, 1925, 1933.

MARGARET WATSON WEEKS, B. S., M. S., Dean of the Division of Home Economics, 1925.

MARY WOODWARD DOAK, B. A., M. A., Dean of Women, 1925.

WILLIAM THOMAS GASTON, Business Manager and Secretary of Board of Directors, 1929.

WARREN PERRY CLEMENT, B. A., M. A., Registrar, 1926, 1927, 1933.

WILLIAM BRYAN GATES, B. S., M. A., Ph. D., Assistant Dean of the Division of Arts and Sciences, 1925, 1933.

## OFFICERS OF INSTRUCTION

The first date after the title indicates the year of first appointment to any position in the institution; the second, the year of appointment to present rank.

BRADFORD KNAPP, President, 1932.

B. S., Vanderbilt; LL. B., Michigan; D. Agri., Maryland.

WILLIAM HENRY ABBITT, Professor of Physics, 1926.

B. A., Virginia; Ph. D., Chicago.

OTTO V. ADAMS, Dean of Engineering and Professor of Civil Engineering, 1927, 1932.

B. S. in C. & I. E., Colorado Agricultural College; M. S. E., Michigan.

- JAMES G. ALLEN, Assistant Professor of English, 1927, 1931.  
B. A., Southern Methodist University; M. A., Harvard.
- MRS. MARGARET B. ATKINSON, Instructor in Engineering Drawing and Industrial Education, 1934.  
B. S., College of Industrial Arts.
- ARCHIE J. BAHM, Instructor in Philosophy and Sociology, 1934.  
B. A., Albion; M. A., Ph. D., Michigan.
- ALBERT BARNETT, Professor of Education, 1933.  
B. S., M. A., Ph. D., Peabody College.
- MARGARET BASKIN, Instructor in Physical Education for Women, 1935.  
B. A., Texas Technological College.
- MARY FRANCES BENGE, Instructor in Spanish, Summer Session only.  
Ph. B., B. Mus., Baylor; M. A., National University of Mexico.
- JULIEN PAUL BLITZ, Professor and Head Department of Music, 1934.  
Laureate cum Laude, Royal Government Conservatory, Ghent, Belgium.
- CHARLES V. BULLEN, Professor and Head Department of Electrical Engineering, 1932.  
B. S. in E. E., Texas; M. S. in E. E., Massachusetts Institute of Technology.
- MRS. EDNA WALKER BUSTER, Assistant Professor of Clothing and Textiles, 1927, 1930.  
B. S., College of Industrial Arts; M. A., Columbia.
- SANNIE CALLAN, Associate Professor of Home Management, 1936.  
B. S., Pittsburg; M. A., Columbia.
- ALLAN LORAIN CARTER, Professor and Head Department of English, 1927.  
B. A., Clark; M. A., Northwestern; Ph. D., Pennsylvania.
- PETER WILLIS CAWTHON, Professor and Head Department of Physical Education for Men, 1930.  
Southwestern University.
- RAY L. CHAPPELLE, Associate Professor of Agricultural Education, 1936.  
B. S., Agricultural and Mechanical College of Texas.
- LLOYD C. CHRISTIANSON, Instructor in Mathematics, 1928, 1931.  
B. A., Westminster; M. A., Missouri.
- HENRY PENNOCK CLAY, Assistant Professor of Agricultural Engineering, 1935.  
B. S., Michigan State College.
- BENJAMIN FRANKLIN CONDRAV, JR., Professor and Head Department of Economics and Business Administration, 1926, 1927.  
B. A., Ouachita; M. A., Chicago.
- FRANCIS CONNOR COOK, Instructor in French, 1933.  
B. A., M. A., Texas.
- MOZELLE EUGENIA CRADDOCK, Manager and Dietitian of the Dormitories; Professor and Head Department of Institutional Management, 1934.  
B. S., Texas; M. A., Chicago.
- WILLIAM MOORE CRAIG, Professor of Chemistry, 1926.  
B. A., M. A., Southwestern; M. A., Texas; Ph. D., Harvard.
- ALBERT BENJAMIN CUNNINGHAM, Associate Professor of English, 1929, 1930.  
B. A. Muskingum; B. D., Drew University; M. A., Ph. D., New York.

- MRS. GEORGIA WILSON DINGUS, Assistant Professor of Latin, 1929, 1931.  
B. A., Texas; M. A., Texas Technological College.
- MRS. MARY WOODWARD DOAK, Dean of Women and Professor of English, 1925.  
B. A., Texas; M. A., Texas Technological College.
- VENTON LEVY DOUGHTIE, Professor of Mechanical Engineering, 1930, 1932, 1935.  
B. S. in M. E., Texas.
- BONNIE K. DYSART, Associate Professor of Education, 1927, 1928.  
B. S., M. A., Texas.
- CHARLES DUDLEY EAVES, Professor of History, 1925.  
B. A., Texas; M. A., Chicago.
- JOHN ORVAL ELLSWORTH, Professor and Head Department of Agricultural Economics and Farm Management, 1928.  
B. S., Utah State Agricultural College; M. S., Ph. D., Cornell.
- MABEL DEANE ERWIN, Professor and Head Department of Clothing and Textiles, 1926.  
B. S., Purdue; M. A., Columbia.
- ARTHUR WILSON EVANS, Professor and Head Department of Education and Psychology, 1925.  
B. A., Oxford College; M. A., Ph. D., Texas.
- Casely, Ford*  
GUS L. FORD, Professor and Head Department of History, 1925, 1933.  
B. A., M. A., Southern Methodist University.
- RUPERT WINTHROP FOWLER, Associate Professor of English, 1926.  
B. A., Texas; M. A., Harvard.
- RAYMOND ERNEST GARLIN, Professor of Education, 1927.  
B. A., M. A., Ph. D., Texas.
- WILLIAM BRYAN GATES, Professor of English and Assistant Dean of Arts and Sciences, 1925, 1933, 1935.  
B. S., Millsaps; M. A., Vanderbilt; M. A., Michigan; Ph. D., Pennsylvania.
- MRS. EUNICE J. GATES, Assistant Professor of Spanish, 1925, 1931.  
B. A., M. A., Southwestern; M. A., Michigan; Ph. D., Pennsylvania.
- ENOCH FRANKLIN GEORGE, Professor and Head Department of Physics, 1925.  
B. S., Valparaiso University; B. A., M. A., West Virginia; Ph. D., Ohio.
- ROBERT CABANISS GOODWIN, Professor and Head Department of Chemistry and Chemical Engineering, 1930.  
B. A., Howard Payne; M. A., Texas; Ph. D., Harvard.
- JAMES MARCUS GORDON, Dean of Division of Arts and Sciences and Dean of Men, 1925, 1933.  
B. A., Trinity; M. A., Chicago; LL. D., Trinity.
- ~~FRED G. HARBAUGH, Associate Professor of Animal Husbandry and Veterinarian, 1927, 1935.~~  
~~B. S., D. V. M., Iowa State College.~~
- JOHN COYNE HARDGRAVE, Assistant Professor of Mechanical Engineering, 1926, 1933.
- MAURICE EARL HEARD, Professor and Acting Head Department of Textile Engineering, 1928, 1932, 1935.  
B. S. in T. E., Texas Technological College.

- ELLIS RICHARD HEINEMAN, Assistant Professor of Mathematics, 1928, 1930.  
B. A., M. A., Wisconsin.
- WILLIAM FRANK HELWIG, Professor of Electrical Engineering, 1928, 1933, 1935.  
B. S. in E. E., Minnesota; M. S., Texas; E. E., Minnesota.
- CARL HENNINGER, Associate Professor of Modern Languages, 1926, 1929.  
B. A., Indiana; M. A., Illinois.
- Carrie Holden*  
WILLIAM CURRY HOLDEN, Professor of History and Anthropology and Director of Archaeological Research, 1929, 1933.  
B. A., M. A., Ph. D., Texas.
- MRS. FLOY F. HOOPER, Instructor in Architecture and Allied Arts, 1935.  
B. A., Chicago Art Institute.
- RUTH HORN, Instructor in English, 1932, 1933.  
B. A., M. A., Texas Technological College.
- CECIL HORNE, Assistant Professor of Journalism and Head of Information Bureau, 1926, 1929.  
B. A., Baylor; B. A., Yale.
- EDNA N. HOUGHTON, Instructor in Architecture, 1932, 1933.  
B. S. in A. E., Texas Technological College.
- ORVILLE BRACKETT HOWELL, Associate Professor of Horticulture, 1935.  
B. S., M. S., Michigan State College.
- GEORGE BERL HUFFMAN, Assistant Professor of Physical Education for Men, 1935.  
B. A., Trinity.
- DOYLE D. JACKSON, Associate Professor of Education, 1934.  
B. A., M. A., Texas; Ph. D., Arizona.
- J. W. JACKSON, Assistant Professor of Government, 1929, 1935.  
B. A., M. A., Texas Technological College.
- MRS. MAMIE WOLFFARTH JACKSON, Instructor in Typewriting and Stenography, 1928, 1930.  
B. A., M. A., Texas Technological College.
- WILLIAM ALBERT JACKSON, Professor and Head Department of Government, and Chairman of Graduate Division, 1925, 1936.  
B. A., Baylor; M. A., Chicago; Ph. D., Iowa.
- ADA VIVIAN JOHNSON, Associate Professor of Vocational Home Economics Education, 1928, 1930, 1935.  
B. S., Southwest Texas State Teachers College; M. A., Columbia.
- FLORIAN ARTHUR KLEINSCHMIDT, Professor and Head Department of Architecture and Allied Arts, 1928.  
B. S. in Arch., Minnesota; M. in Arch., Harvard; Diplome d'Architecture, Ecole des Beaux Arts Americaine, Fontainebleau, France.
- MRS. JOHNNYE GILKERSON LANGFORD, Associate Professor and Head Department of Physical Education for Women, 1925, 1927, 1934.  
B. B. A., Texas; M. A., Southern California.
- LONNIE LANGSTON, Assistant Professor of Mathematics, 1928, 1930.  
B. A., Furman; M. A., South Carolina.
- BESSIE BEAKLEY LEAGUE, Associate Professor of Biology, 1926, 1927.  
B. A., M. A., Ph. D., Texas.
- ARTHUR HENRY LEIDIGH, Dean of Agriculture and Professor of Agronomy, 1925.  
B. S., Kansas State Agricultural College; M. S., Texas A. & M.

- JOSEPHINE LOONEY, Instructor in Clothing and Textiles, 1933.  
B. S., Minnesota; M. A., Columbia.
- ELMER LEON McBRIDE, Assistant Professor of Agricultural Economics, 1935.  
B. S., M. S., Oklahoma Agricultural and Mechanical College.
- FLORA POWELL McGEE, Associate Professor of English, 1925.  
B. A., Colorado College; M. A., Peabody College.
- SETH SHEPARD McKAY, Professor of History, 1928.  
B. A., M. A., Texas; Ph. D., Pennsylvania.
- MRS. JESSE MARCUS MARSHALL, Instructor in Chemistry, 1925.  
B. A., Texas; M. A., Texas Technological College.
- CLARENCE SIMPSON MAST, Professor of Physics, 1925.  
B. S., M. A., Ohio Wesleyan University.
- JAMES NEWTON MICHIE, Professor and Head Department of Mathematics, 1925.  
B. S. in Engineering, Virginia; M. A., Michigan.
- RUFUS ARTHUR MILLS, Professor of English, 1926.  
B. A., M. A., Texas.
- RAY C. MOWERY, Professor and Acting Head Department of Animal Husbandry, 1926, 1935.  
B. S., Texas A. & M.; M. S., Iowa State College.
- JAMES HAROLD MURDOUGH, Professor and Head Department of Civil Engineering, 1925, 1927.  
B. S. in C. E., Massachusetts Institute of Technology; M. S. E., Michigan.
- DONALD VAN DALE MURPHY, Associate Professor of English, 1926, 1928, 1935.  
B. A., Tulsa; M. A., Columbia.
- MONTELL ERNEST OGDON, Associate Professor of Government, 1929.  
B. A., Illinois; M. A., Columbia.
- GORDON WIGHT PARKHILL, Assistant Professor of Civil Engineering, 1932, 1935.  
B. S. in C. E., Agricultural and Mechanical College of Texas.
- LEROY THOMPSON PATTON, Professor and Head Department of Geology, and Geological Engineering, 1925.  
B. A., Muskingum College; B. S., Chicago; M. S., Ph. D., Iowa.
- MART G. PEDERSON, Assistant Professor of Dairy Manufactures, 1932, 1935.  
B. S., Texas Technological College.
- HARDISON CECIL PENDER, Associate Professor of Government, 1926, 1927.  
B. A., North Texas State Teachers College; M. A., Baylor.
- ANNAH JO PENDLETON, Professor of Speech, 1927.  
B. A. and Diploma in Oratory, Texas Christian University; Diploma, School of Speech, Northwestern University; M. A., Iowa.
- RUTH PIRTLE, Professor and Head Department of Speech, 1925, 1928.  
B. S., M. A., and Diploma as Teacher of Speech Education, Columbia; Hickman School of Speech Arts; Lyceum Arts Conservatory; Colorado; California; Curry School of Expression, Boston.
- ELLSWORTH HARVEY PLANK, Acting Professor of Economics and Business Administration, 1933, 1934.  
B. S., M. S., Oregon; Ph. D., Stanford.

- MARTYE POINDEXTER, Professor and Head Department of Applied Arts, 1935.  
B. A., North Texas State Teachers College; Ph. B., Chicago.
- CHARLES BLAISE QUALIA, Professor and Head Department of Foreign Languages, 1925, 1932.  
B. A., M. A., Ph. D., Texas.
- PHILIP LEE RALPH, Assistant Professor of History, 1935.  
B. A., Beloit College; Ph. D., Yale.
- RUSSELL FREDERICK REDDING, Assistant Professor of Textile Engineering, 1935.  
B. S. in T. E., Georgia School of Technology.
- EDWARD LOOMAN REED, Professor of Botany, 1926, 1929.  
B. A., Oklahoma Baptist College; M. S., Ph. D., Chicago.
- KENNETH MILLER RENNER, Professor and Head Department of Dairy Manufactures, 1927, 1931.  
B. S., Iowa State College; M. S., Kansas State Agricultural College.
- ZELLA E. RIEGEL, Assistant Professor of Physical Education, 1928.  
B. A., Central College.
- TRENT CAMPBELL ROOT, Assistant Professor of Economics and Business Administration, 1932.  
B. A., Baylor; M. B. A., Harvard.
- CLARENCE CARL SCHMIDT, Associate Professor of Physics, 1927.  
B. A., Cornell; M. A., Ph. D., Illinois.
- VALERIE SCHNEIDER, Associate Professor of Chemical Engineering, 1934.  
B. S., M. S. in Ch. E., Texas; D. Sc., Mass. Institute of Technology.
- CECILIA SCHUCK, Professor of Foods and Nutrition, 1935.  
B. A., Indiana State Teachers College; M. S., Minnesota; Ph. D., Chicago.
- JESSE Q. SEALEY, Instructor in Biology, 1928.  
B. A., M. A., Texas.
- JAMES THOMAS SHAVER, Associate Professor of Education, 1927.  
B. S., Sam Houston State Teachers College; M. A., Columbia.
- RAYMOND GILBERT SIDWELL, Assistant Professor of Geology, 1928.  
B. A., M. A., Ph. D., Iowa.
- WILLIAM MACKEY SLAGLE, Assistant Professor of Chemistry, 1926, 1928.  
B. A., Southwestern; M. A., Texas.
- GEORGE SMALLWOOD, Professor of English, 1925.  
B. A. Southwestern; M. A., Southern Methodist University.
- RUSSELL T. SMITH, Professor of Physical Education, 1930.  
B. A., Austin College.
- WILLIAM EZRA STREET, Assistant Professor of Engineering Drawing and Industrial Education, 1928, 1934.  
B. S. in E. E.; M. A., Texas Technological College.
- ALFRED BELL STREHLI, Assistant Professor of Foreign Languages, 1928.  
B. A., B. S., M. A., Ohio.
- ALAN LANG STROUT, Associate Professor of English, 1928, 1930.  
B. A., Dartmouth; M. A., Chicago; M. A., Wisconsin; Ph. D., Yale.
- RICHARD ARTHUR STUDHALTER, Professor and Head Department of Biology, 1925.  
B. A., Texas; M. A., Washington University; Ph. D., Chicago.

GUSSIE LEE TEAGUE, Instructor in English, 1926.

B. A., Oklahoma; M. A., Colorado.

AGNES ANN TRUE, Associate Professor of Education and Psychology, 1934.

B. A., M. A., Michigan.

PAUL DIRKS VOTH, Associate Professor of Botany, Summer Session only.

B. A. Bethel College; M. S., Ph. D., Chicago.

MARGARET WATSON WEEKS, Dean of Division of Home Economics and Professor of Nutrition, 1925.

B. S., M. S., Columbia.

DEWEY O. WILEY, Instructor in Music, Director of Band, 1934.

B. Mus., Simmons; Pupil of Carl Venth, E. Clyde Whitlock, Jacques Gordon.

ARTHUR W. YOUNG, Associate Professor of Agronomy, 1935.

B. S., M. S., Ph. D., Iowa State College.

LORENA DRY, Visiting Instructor in Foods and Nutrition, Home Demonstration Agent in Bell County.

B. S., Texas State College for Women.

WILLIAM FRANCIS FRY, Biblical Literature. Under the auspices of the Baptist General Convention of Texas.

B. A., M. A., Wake Forest; D. D., Simmons University.

WILLIAM A. McINTOSH, Lecturer in Education. Superintendent of Borger City Schools.

B. S., Alabama Polytechnic Institute.

HAZEL McKIBBEN, Visiting Professor of Home Economics Education, Assistant Professor of Home Economics Education, Iowa State College.

B. S., M. S., Iowa State College.

PAUL T. MANCHESTER, Curriculum Specialist in Modern Foreign Languages, Assistant Professor of Romance Languages, Vanderbilt University.

M. A., Vanderbilt; Ph. D., George Peabody.

KENNETH E. OBERHOLTZER, Lecturer in Education. Superintendent of Lubbock City Schools.

B. A., Illinois; M. A., Texas A. & M.

JOHN PRIM, Special Instructor in Stenography and Typewriting.

Texas Technological College.

CLARA SECREST, Special Instructor in Penmanship and Art, Teacher of Penmanship and Drawing in Big Spring Public Schools.

B. C. SHULKEY, Lecturer in Education. Assistant Superintendent of Fort Worth City Schools.

B. A., Baylor; M. A., Texas Technological College.

#### INSTRUCTORS IN SPECIAL DEPARTMENTS

MRS. J. P. BLITZ, Piano and Piano Accompaniment.

Pupil of Marcian Thalberg, Cincinnati Conservatory; John Steinfeldt, San Antonio College of Music.

BEULAH DUNN, Violin.

B. Mus., Chicago Musical College.

MYRTLE DUNN, Voice and Piano.

B. Mus., Chicago Musical College.



MRS. E. F. GEORGE, Piano.  
B. Mus., Cincinnati Conservatory.

MARGARET HUFF, Piano.  
B. Mus., American Conservatory of Music.

MRS. CARL SCOGGIN, Voice.  
Graduate of College of Music, Ottawa University.

#### DEPARTMENT OF EXTENSION

JULIUS F. McDONALD, Director.  
B. A., Baylor; B. A., Yale; M. A., Chicago.

#### LIBRARY STAFF

ELIZABETH WEST, Librarian, 1925  
B. A., Mississippi State Collège for Women; B. A., M. A., Texas.

EMMA LILLIAN MAIN, Assistant Librarian, 1926.  
B. A., North Texas State Teachers College.

MRS. OLIVE PRICE HOLDEN, Instructor in Freshman Orientation; Instructor in the Use of the Library in Research; and Research Assistant in the Library.  
B. A., Texas.

LULU STINE, Assistant Cataloger, 1930.  
B. A., Texas, M. A., Texas Technological College.

VIOLET MADELINE MATTSON, Reference Librarian, 1935.  
B. A., M. A., Rice; B. S. in L. S., Louisiana State

#### SUMMER SCHOOL COMMITTEE

O V. ADAMS

A. H. LEIDIGH

A. W. EVANS

MAGARET W. WEEKS

J. M. GORDON, Chairman

## SUMMER SESSION 1936

The Summer Session of Texas Technological College is an integral part of the college year. It aims to serve the following groups:

1. Regular students who wish to reduce the customary four years of college work to three.
2. Regular students who, because of necessary delays or because of failures, find their courses to be irregular and need to do summer work for this reason.
3. Teachers who desire the freshening contact of courses and instructors or who wish to complete requirements for certificates or degrees.

### TWO TERMS IN THE SUMMER SESSION

The summer session is divided into two terms of six weeks each. The first term begins June 9 and closes July 18, the second term begins July 20 and closes August 26. Students may enroll for either term or for both terms.

### COURSES LARGELY ON SEMESTER BASIS

Except for some advanced courses in Education, and possibly a few other subjects, the work of the summer session is outlined on the semester basis. That is to say, classes meet for approximately one hour and 30 minutes each day so that a regular three-semester-hour course can be completed in a six weeks' term. The normal amount of work, therefore, will be two three-semester-hour courses per term.

In certain of the laboratory sciences, field courses, and a few other subjects, the work will be so arranged that a student may complete the full year's work in six weeks. The recitation schedule will show where this is possible.

### SCHEDULE OF CLASSES

Three-semester-hour classes recite one hour and twenty minutes net, e. g., 7:00 to 8:20; 8:30 to 9:50; 10:00 to 11:20 etc. Two-semester-hour classes recite fifty minutes net, e. g., 7:00 to 7:50; 8:00 to 8:50, etc.

### CURRICULUM COURSES

The College has given work in curriculum building since the establishment of the summer school. This summer suitable courses will be offered in the primary, elementary, high school, and general fields. These include orientation and beginning production and are designed to care for the needs of the teachers in the various phases of the Texas Curriculum Revision Program in accordance with the State Department set-up.

A special production course in high school Spanish (Span. 439x) is to be offered, also. Dr. Paul T. Manchester of the Romance Language Department of Vanderbilt University will give the course.

### FIELD TRIPS

For the past several summers the College has offered certain field courses that have proved to be very helpful. A number of such courses are given in the summer of 1936, some of them carrying regular college credit and others not set up on a college credit basis. The Department of Archaeology is sponsoring a course to be given in Mexico City. The Department of Geology will give its regular field course; likewise, a six weeks field course in Botany will be given.

The course in Spanish Civilization given last summer at Mexico City will not be repeated this summer but will likely be given in the summer of 1937.

### A CULTURAL TOUR SPONSORED BY SPEECH DEPARTMENT

Last summer Miss Ruth Pirtle, Head of the Speech Department, sponsored a non-credit, three weeks' student tour to New York City. The tour will be repeated this summer. The group will leave July 20 and return by August 15. While in New York the students will attend the theatre every day. Special emphasis will be placed on theatrical equipment houses, and theatre and dramatic schools. The plans call for seven days in New York, two days in Philadelphia, and three days in Washington. Side trips will be made to West Point, Annapolis, Mount Vernon, Atlantic City, Valley Forge and numerous other places.

The expense of the trip, including round-trip fare, hotel rooms, food and recreation tickets will be \$150.00. The trip is to be made by private bus. Those interested should communicate directly with Miss Pirtle, and this should be done as early as practicable as the number will of necessity be limited.

### A LITERARY TOUR OF EUROPE

An unusual opportunity is offered summer students to enjoy an inexpensive trip to Europe and at the same time earn college credit. Besides Montreal, Quebec, and Niagara Falls enroute, the tour includes visits to Ayr and the Burns Country; Edinburgh, Loch Lomond, and the Trossachs; Abbotsford and the Scott Country; the Lake District; Stratford and the Shakespeare Country; Chester and the Wye Valley; Windsor, and Stoke Poges, scene of Gray's *Elegy*; Oxford, and Sulgrave Manor, ancestral home of the Washingtons; with three days each in London and Paris, and motor trips in Belgium and Holland. Boat fare (Tourist), transportation in Europe, hotel meals and room, and all expenses, Montreal to Montreal, \$435.00. Leave Lubbock July 22, return August 30. An optional extension of fifteen days in France may be added for about \$165.00.

This course, English 460x, credit six hours, may be taken by students who have passed sophomore work in English. It includes informal discussions, reading of at least three standard biographies (such as Lockhart's *Scott*, Lee's *Shakespeare*, Colvin's *Keats*), and three written reports of 2,500 words, each.

The course will be given by Dr. A. L. Strout of our Department of English. Those interested should communicate with Dr. Strout at the earliest practicable date.

### SPECIAL COURSES FOR HOME ECONOMICS TEACHERS

Special courses for teachers of Vocational Home Economics will be offered particularly in the first term of the summer session this year. These courses may be used for graduate credit.

#### 1. Improvements of Techniques in Home Economics Teaching.

This course is intended primarily for teachers in service. Special instruction will be given in the problem methods of teaching and aid in solving problems involved in the teaching and administration of home economics in the public schools. The course will be offered the first three weeks of the summer session.

#### 2. Food Preservation.

A special course in food preservation will be offered the second three weeks of the first term of summer school. This course taught by a home demonstration agent will give intensive practice in canning, preserving, and pickling meat, fruits and vegetables.

#### 3. Child Development With Nursery School Observation and Participation.

The nursery school will be conducted as usual on the College campus. It will serve as a laboratory for the course in Child Development. The course will be offered the first term of summer school.

Graduate work in Foods and Nutrition will be offered if there is a demand. Persons interested should write to Dean Margaret W. Weeks for special information before the opening of the summer session.

### AGRICULTURAL COURSES

Special methods courses for teachers of vocational agriculture are offered particularly in the first term of the summer session this year. These courses are suitable for students preparing to meet the State requirements in part for teaching vocational agriculture, and also designed particularly to meet the needs of teachers now in service in this part of the State.

Each one of the departments in the Division of Agriculture offers courses in the 1936 summer session, most of these being courses not offered in the summer school last year. These include offerings in each of the four-year courses leading to the Bachelor of Science degree.

### ENGINEERING COURSES

Freshmen wishing to study Engineering will be able to take up to six semester hours per term of work required in the freshman year. Selection may be made from Architecture, Chemistry, Engineering Drawing, Mathematics and Physics. Students who must earn part of their expenses while in College may find it advantageous to take work in the summer school and thus lighten their load in the long session.

Advanced students in Engineering will find liberal offerings in all the Engineering Departments.

A first course in radio open to any college student interested in studying the fundamentals and practice of radio is being offered by the Electrical Engineering Department.

A course in **Hand Weaving from Fiber to Fabric** and one in **Textile Fibers and Fabrics** are being offered by the Department of Textile Engineering. These courses are open to all students.

Liberal offerings in both terms are being offered by the Department of Architecture and Allied Arts. Two courses in methods of teaching art should be especially attractive to teachers of this subject.

### INDUSTRIAL ARTS EDUCATION

In addition to the work regularly offered, the Department of Industrial Engineering, Engineering Drawing, and Industrial Education in the Division of Engineering is offering work for teachers as follows:

Mechanical Drawing for Teachers

Educational and Vocational Guidance in Engineering

History and Principles of Vocational Education

### PHYSICAL EDUCATION FOR TEACHERS

Physical Education courses will be given in the summer to meet the requirements for physical education teachers and for classroom teachers.

### AMENDED REGULATIONS BY STATE DEPARTMENT OF EDUCATION RELATIVE TO REQUIREMENTS FOR TEACHERS

Inasmuch as there seems to be a considerable lack of knowledge as to the new rulings of the State Board of Education, it seems advisable to give herewith a rather full statement of the requirements set down by the Board. The ruling follows:

"Beginning with the session of 1934-35, standard four-year high schools fully accredited, in addition to meeting the requirements heretofore set up for a four-year high school of the first class, fully accredited, shall comply with the following requirements.

1. **TEACHERS.** The local school system, of which the high school is a part, in filling vacancies and new positions in any part of the system, in-

cluding elementary schools, junior schools and high schools, must employ teachers who are graduates of a standard college or university and they must be given class room assignments in their respective fields of preparation. The expression "respective field of preparation" shall mean either a major, which is a minimum of twenty-four semester hours, or a minor, which is a minimum of twelve semester hours of college credit.

Teachers now or heretofore in service in a school system in Texas embracing a classified four-year, fully accredited high school, and not having a standard degree, must, in order to establish their eligibility to teach in such a system of schools, show progress by completing in a standard college or university at least twelve semester hours every three years (from June 1, 1934) through any plan acceptable to the college. Provided, however, that in view of the unfavorable economic conditions now prevailing, the first period for earning twelve semester hours shall consist of four years instead of three. Provided further that any standard college or university credits earned since January 1, 1934 may be counted in satisfying the twelve semester hours therein set forth.

Exception. All teachers now in service, who, on September 1, 1934, will have taught for fifteen years or more are exempt from the above requirements. It is expected, however, that such teachers keep themselves reasonably progressive through occasional college work (e. g., three or four semester hours every three years), or adequate travel or other appropriate activity. Let it be expressly understood that the above exceptions do not abrogate or extend teachers' certificates.

2. PRINCIPALS AND SUPERINTENDENTS. The local school system, of which the high school is a part, shall have a superintendent and a principal, or principals, each of whom holds at least a bachelor's degree from a standard college or university and has completed at least twelve semester hours of junior or higher rank in the field of educational administration and at least six semester hours of junior or higher rank in the field of methods of teaching.

Principals and superintendents now in service as such who do not now hold such a degree or have the eighteen semester hours specified, must make progress toward these two objectives by completing at least twelve semester hours in a standard college or university every three years until the objective is reached. Provided, however, that in view of the unfavorable economic conditions now prevailing, the first period of earning twelve semester hours shall consist of four years instead of three.

Exception. All persons who, on September 1, 1934, will have served as school principal or superintendent, either or both together, for at least fifteen years are exempt from the above requirement. It is expected, however, that said principals keep abreast of the times in their respective fields by college work (e. g., three or four semester hours every three years,) travel, attendance upon professional meetings, or other appropriate ways.

#### BAND SCHOOL

The College is presenting for the third time the summer band school under the direction of Professor D. O. Wiley, Band Director for the College. There will be three separate divisions of the band school—junior, intermediate and senior.

Professor Wiley will be assisted by several band leaders of the state whose work is outstanding. We are especially pleased this year to have with us for one week Professor A. A. Harding of the University of Illinois. Professor Harding's work as a college band director is recognized as outstanding in the nation. This noted Director will give a course in methods of band directing and will take part in the annual band concert Friday, July 10.

A special folder for the summer band school is being published. A copy may be had by writing Professor Wiley.

## RECREATION

For the sum of one dollar per student the College has been able to offer phases of recreation that have been very helpful and greatly appreciated by summer school students.

The attractions that have already been secured for this summer are:

1. Goodman Theatre Players, sent out by the Art Institute of Chicago. This company has presented plays on our summer recreation program for the past two summers and has been well received. Two plays are to be presented, one in the afternoon and one in the evening. The plays are "**The Late Christopher Bean**", by Sidney Howard, and "**Dover Road**", by A. A. Milne.

"**The Late Christopher Bean**". After Christopher Bean's death, art collectors try to buy the paintings he has left in a New England home where he once stayed. Abby, the family servant, keeps them from getting the greatest painting. She had a right to it—she had been married to the artist.

"**Dover Road**". A gentleman living on the road to Dover intercepts two eloping couples and keeps them at his house until they have a chance to become better acquainted. He sees to it that each sees the other at his worst.

2. **Miriam Winslow and her Dancers**. Miss Winslow was a pupil of Ruth St. Denis and Ted Shawn, and has studied with some of the foremost teachers in France, Germany and Austria. She has appeared as one of the solo dancers in Ted Shawn's last two tours with his company. She is to appear on our program with a company of four girls.

3. **Band Concert**, by members of the Summer Band School, with Professor A. A. Harding, Director of Bands at the University of Illinois, as guest conductor.

There will be smaller band concerts from time to time on the lawn south of the Administration building, also.

4. **Irene Bewley**, character artist, in "**Tales of Tennessee Hills**". Miss Bewley has received recognition for her original sketches in which she reflects the humor and quaint philosophy of the mountain people. Miss Bewley has appeared at a number of leading universities, and in cities in this country and abroad. Four monologues and a one-act play comprise the group of character sketches.

5. **Dr. Harlan Tarbell**, world famous teacher of Magicians, telling the vivid story of "**The Magic of the Ages**". Dr. Tarbell is an entertaining speaker and a master of magic.

6. A play is to be presented by the Speech Department near the close of the summer session.

Proving most helpful and enjoyable has been the courtesy extended by the down-town theatres. Each purchaser of a summer school recreation ticket has been complimented with two picture shows—one at the Palace, Lindsey or Texan, and one at the Broadway or Lyric Theatre. The management of the Municipal Swimming Pool has extended its services to holders of the summer school recreation ticket by offering reduced rates at the swimming pool.

Visits have been planned to a number of interesting places where students care to make the trips. The annual trip to Carlsbad Caverns will be sponsored again, embracing July 4. The United States Government has regularly remitted fees to students of Texas Technological College on this occasion. The Palo Duro Canyon, some twenty miles from Amarillo, is coming to be a place of definite interest. Trips to these and other places will be planned wherever student interest is sufficient to warrant the excursions.

A College Mixer is regularly held during the first week of the summer school and there are various other phases of entertainment given in the College buildings and on the campus. Tennis courts on the campus will be open to summer school students, and golf courses near the city can be enjoyed at reduced rates.

## DEGREES OFFERED

Regular undergraduate degrees are given by Texas Technological College, namely, the bachelor of arts and bachelor of business administration, in the Division of Arts and Sciences, and the bachelor of science degree in the Divisions of Agriculture, Engineering, and Home Economics. In addition to these, there has been recently established in the Division of Engineering the degree bachelor of architecture and bachelor of commercial arts, and in the Division of Arts and Sciences, the degree bachelor of science in the various sciences, and the bachelor of science in education. Two graduate degrees are given, the master of arts and master of science. A full discussion of the requirements for these degrees will be found in the general catalog bulletin.

### BACHELOR OF SCIENCE IN EDUCATION

This degree has been established specifically for teachers who wish to meet the requirements to teach in the various divisions of the public schools of Texas. In meeting the requirements for the degree of bachelor of science in education, a student may offer a major or minor in social science, general science, physical education, and primary education. Other majors and minors will be set up to meet the needs of teachers. The College proposes, just as far as possible, to meet the latest requirements laid down by the State Board of Education.

### TEACHER-PLACEMENT BUREAU

A teacher-placement bureau is operated for the benefit of teachers and prospective teachers who desire to secure positions to teach during the coming year.

### THE LIBRARY

At the present time, the College Library contains approximately 49,631 catalogued volumes.

The Library will be open during the summer school from 8:00 a. m. to 10:00 p. m., except on Saturdays, when the closing hour is 5:00 o'clock in the afternoon.

### THE COLLEGE BOOKSTORE

The College Bookstore, located on the campus, is owned and operated by the College. The Bookstore carries in stock all required text books, books for extension courses, all supplies and equipment needed in any of the specialized courses, and an assortment of stationery and athletic supplies. At the end of the summer term the Bookstore will purchase from students any books which are to be used in the College the following year.

### NEW DORMITORIES

At the beginning of the fall semester, 1934-35, Texas Technological College opened for occupancy two new dormitories, one for men and one for women. The dormitories have filled a long-felt want as is evidenced by the long waiting list of students during the present year. The dormitories are located on the campus and represent a cost of approximately \$325,000.00 each. They are of fire-proof construction, beautiful in appointments, commodious, comfortable, and in every way attractive. A dining room and kitchen are connected with each dormitory. There are fully adequate bath and toilet accommodations, hot and cold running water in every room, large dining room, and lounge or parlor to promote the social life of the students. Recently, large concert grand pianos have been placed in the lounge of each dormitory. The dormitories are in many respects as attractive as a modern hotel and have the added interest of student spirit and social life which is



promoted earnestly along with the fine opportunity for good work in College. Each dormitory accommodates 320 students.

The dormitories are operated by the institution. The charge for room and board is \$32.00 per student for the standard double room for each term of six weeks. For the corner rooms, \$33.50 is charged per student for the six-weeks term. There are a few single rooms with private baths where the charge is \$40.00 per student for the six-weeks term.

## ENTRANCE

The Registrar has charge of all matters relating to admission to any division of the college. All communications regarding entrance requirements should be addressed to him.

### ENTRANCE REQUIREMENTS FOR THE FOUR DIVISIONS OF THE COLLEGE

**Unit Requirements.** Fifteen units of credit in an accredited high school or other accredited secondary school with graduation, are required for admission to Texas Technological College. The following units are required by groups:

|   | Units     |
|---|-----------|
| 1. English (required of every student) .....  | 3         |
| 2. Mathematics (See Group A) .....  | 2         |
| This requirement applies to all divisions except Engineering where 3 units in Mathematics are required as follows: Algebra 2 or, *Algebra 1½, Plane Geometry 1, Solid Geometry or Trigonometry ½. |           |
| 3. Two units from each of any two of the three other divisions in Group A below (Social Science, Natural Science, Foreign Language).....  | 4         |
| 4. Additional from any division or divisions of Group A.....  | 2         |
| 5. Additional from Group A or from B, or Groups A and B together.....   | 4         |
| <b>Total</b> .....  | <b>15</b> |

\* Provided ½ unit of Algebra is taken during the senior year in high school.

### GROUP A

Listed below are the subjects which are included under the various divisions of this group:

|                               |                       |                    |  |
|-------------------------------|-----------------------|--------------------|--|
| Division of English:          |                       | English Literature |  |
| English Language              |                       |                    |  |
| Division of Foreign Language: |                       |                    |  |
| French                        | German                | Greek              |  |
| Latin                         | Spanish               | Czech              |  |
| Division of Mathematics:      |                       |                    |  |
| Algebra                       | Plane Geometry        | Com. Arithmetic    |  |
| Trigonometry                  | Adv. Arithmetic       | Solid Geometry     |  |
| Division of Natural Science:  |                       |                    |  |
| Biology                       | Physiography          | General Science    |  |
| Chemistry                     | Zoology               | Physiology and Hy- |  |
| Physics                       | Botany                | giene              |  |
| Division of Social Science:   |                       |                    |  |
| Civics                        | Mod. European History | Ancient History    |  |
| Economics                     | World History         | English History    |  |
| Music                         | ..... Commercial Law  | American History   |  |
| Texas History                 | Commercial Geography  | Journalism         |  |
| Early European His-           |                       | Public Speaking    |  |
| tory                          |                       |                    |  |



### GROUP B

This group includes the vocational subjects which are:

Agriculture

Typewriting

Home Economics

Drawing

Bookkeeping

Shorthand

Manual Training

NOTE: A maximum of 4 units of vocational subjects will be accepted for admission to the Division of Arts and Sciences and to the Division of Engineering; for admission to the Division of Agriculture and to the Division of Home Economics a maximum of 5 such units will be accepted.

### HIGH SCHOOL CREDENTIALS

**Transcript.** A Student proposing to enter Texas Technological College should see that the high school principal forwards to the Registrar a transcript of his high school record. This transcript must be on file before the date and registration and must show that the student is a graduate of the high school and give the date of graduation.

### ADMISSION CONDITIONS

To enroll in the College in the regular manner, a student must present a certificate of graduation from an accredited high school, with fifteen (15) accredited high school units. Included in the fifteen units must be three (3) units in English. If, however, he is able to present fifteen accredited units which do not include two units in Mathematics or Social Science or Natural Science according to the pattern as indicated under "Unit Requirements," he may enter on condition. (This does not apply to the Mathematics requirement for admission to the Division of Engineering.) If foreign language is offered for entrance, two units must be submitted. Any student admitted with conditions must satisfy the requirements for such students, as set forth in the tenth annual catalog.

### QUALITY PROVISIONS

Quality of high school work is more important than quantity. A course thoroughly mastered is worth more than one completed with low or even medium grades. Therefore, any applicant ranking in the highest quarter of his graduating class in any fully accredited secondary school may enter without admission conditions. (This does not apply to the Mathematics requirement for admission to the Division of Engineering.)

### ADMISSION BY EXAMINATION

In case a student is a graduate of an accredited high school which does not offer the full fifteen accredited units he may enter the freshman class after passing entrance examinations sufficient to bring the total to fifteen units.

Entrance examinations are given at the beginning of the summer session on June 9. By special arrangement and upon the payment of a fee of \$2.50, the examinations may be taken at the College on dates other than those given in the regular schedule. No fee is charged for taking entrance examinations at the regularly scheduled time.

### ADMISSION OF MATURE STUDENTS ON CONDITION

At the discretion of the Dean of the particular division, mature students (twenty-one years or over) may be admitted on condition to college classes without having met the formal entrance requirements. Admission of mature students on condition is designed only for those applicants who have not recently attended high school and are therefore unable to pass the examinations. This form of admission does not confer special privileges, but on the contrary, puts the applicant under special obligations. Neglect of work or other evidence of lack of seriousness of purpose on the part of the

student thus admitted will cause the Dean to withdraw approval. The student admitted on condition by individual approval must absolve the entrance requirements according to a plan set forth in the tenth annual catalog.

#### TRANSCRIPT OF COLLEGE CREDITS

Students who have attended other colleges and have satisfactory records and honorable dismissal from the former institution, will be welcomed at the Texas Technological College. In such cases, the student should have the Registrar of the former institution forward to the Registrar of this institution a complete transcript of record, which will include the high school work which was submitted to the former institution. Public school teachers who are active in the service, and who do not plan to pursue degree or certificate work in the Texas Technological College may be admitted to the summer school without the submission of a formal transcript of credits from other colleges. It is distinctly understood, however, that credits gained under this arrangement are not to be counted as credit toward a degree or certification until such transcript has been submitted. Students admitted to the summer school in this manner must present a complete transcript before being admitted to residence work in the long session.

#### EXPENSES

|  |                |
|--|----------------|
| The following are the charges per student for the twelve weeks' session: |                |
| Tuition .....  | \$20.00        |
| The uniform breakage deposit (refundable) .....                          | 3.00           |
| Recreational fee .....   | 1.00           |
| Medical service fee .....  | 2.00           |
| <b>TOTAL</b> .....   | <b>\$26.00</b> |

The tuition for each six weeks' term is \$10.00. The other charges remain the same for either or both terms. There are no laboratory charges, except for breakage. The deposit of \$3.00 is refundable upon the withdrawal of the student, less any charges for loss of library books, or fines, breakage in laboratories, or other legitimate charges against such a deposit.

#### EXEMPTION FROM FEES BY REASON OF ENLISTMENT

Men and women who enlisted in the service during the World War and who are citizens of Texas, are exempted from all tuition fees. The discharge papers or service record of the student must be presented to the auditor or fee checkers at the beginning of each term. All deposits are required of ex-service students.

#### BOARD AND ROOM IN THE DORMITORIES

The cost of board and room in the College dormitories will be \$32.00 per term of six weeks, the amount to be paid in advance. The cost for corner rooms will be \$33.50. There are a few single rooms with bath which may be had at a cost of \$40.00 for the six weeks, including board. The first term opens June 9 and closes July 18. The second term opens July 20 and closes August 26. Occupants of the dormitories are expected to furnish linens, towels, etc.

#### COST FOR BOARD AND ROOM OUTSIDE THE DORMITORIES

Outside the dormitories the cost of board and room for women students ranges from \$22.50 to \$30.00 a month. Room with light housekeeping privileges costs from \$5.00 to \$7.50 a month. The additional cost for supplies varies with the taste of the individual; many students have found that the total cost does not exceed \$15.00 a month.

Men students may secure board and room for \$20.00 to \$25.00 a calendar month. Accommodations are available for light housekeeping, making it possible for one to live for approximately \$15.00 a month.

## ESTIMATED COST

Estimated cost for the summer session, using cost for board and room in the dormitories as a basis, is as follows:

|                                     | One Term | Two Terms |
|-------------------------------------|----------|-----------|
| Tuition .....                       | \$10.00  | \$20.00   |
| Board and room .....                | 32.00    | 64.00     |
| Laundry .....                       | 3.50     | 7.00      |
| Breakage deposit (refundable) ..... | 3.00     | 3.00      |
| Recreation fee .....                | 1.00     | 1.00      |
| Medical service fee .....           | 2.00     | 2.00      |
| Total .....                         | \$51.50  | \$97.00   |

## SPECIAL FEES

## FEES FOR SPECIAL COURSES

There is no extra charge for the numbered courses in music which are given as regular college courses. For private work the charges are as follows:

|  |         |
|--|---------|
| Voice, Miss Myrtle Dunn, 2 lessons per week, per term<br>(6 weeks) .....       | \$18.00 |
| Voice, Mrs. Carl Scoggin, 2 lessons per week, per term<br>(6 weeks) .....      | 12.50   |
| Piano, Miss Margaret Huff, 2 lessons per week, per term<br>(6 weeks) .....     | 15.00   |
| Piano, Miss Myrtle Dunn, 2 lessons per week, per term<br>(6 weeks) .....       | 18.00   |
| Violin, Miss Beulah Dunn, 2 lessons per week, per term<br>(6 weeks) .....      | 15.00   |
| Piano, Mrs. Julien Paul Blitz, 2 lessons per week, per term<br>(6 weeks) ..... | 12.00   |
| Piano, Mrs. E. F. George, 2 lessons per week, per term<br>(6 weeks) .....      | 18.00   |

## MEDICAL SERVICE

Medical service for students of the College will be given by the West Texas Hospital during the summer session, the cost for which will be \$2.00 for either or both terms. For students who have not presented a health certificate at this College since September 1, 1935, a physical examination is necessary. The cost for this examination is included in the \$2.00 fee. The examination may be had at the West Texas Hospital on June 6 and 8. After these dates, the examinations will be given at the College, Room P in the Chemistry building.

In return for the \$2.00 fee per student, the College has the following agreement with the West Texas Hospital:

1. The student will be given a physical examination on his entrance into the school. In case of abnormalities, the student will be given advice with a recommendation as to the treatment. This examination is not a complete examination in the clinic of the Hospital.

2. The student will be allowed free consultation with the school physician at any time such consultation is desired.

3. The physician will make, without further charge, calls at the student's home, or at the Hospital.

4. The student will, in case of necessity, have free use of the Hospital facilities of the West Texas Hospital, including board, lodging and general nursing in the Hospital, for a maximum of seven days in the summer session. In the event of an epidemic, this limit may be reduced, and in case of necessity, the limit may be extended. Any reduction or extension will be made only upon the recommendation of the President of the College. These provisions apply only to the relief of acute conditions and do not include special nursing unless authorized by the President of the College in cases where students are financially unable to employ a special nurse.

5. If an ambulance is required to carry the student to the Hospital this will be furnished without additional charge.

6. The student will receive without further cost any pathological or X-ray examination which may be needed for treatment underway in the Hospital.

7. Any minor surgical operations which may be needed by the student such as for cuts, sprains, simple fractures, and vaccinations against small-pox, will be performed for him without further cost.

8. The student will receive without further cost examinations and treatment by specialists for eye, ear, nose and throat difficulties. This, however, does not include operations for the removal of tonsils or for chronic nasal diseases or for special operations on the eye or ear. Where necessary, operation for acute attacks of appendicitis will be performed without additional charge.

9. On all operative work not covered by the medical fee, students will receive a discount of 25 per cent from the regular charge.

10. First aid service and consultation with the school physician can be had at stated hours each day at an office provided by the College on the campus. This does not interfere with the provision in paragraph 3 above.

11. The West Texas Hospital hereby agrees to report promptly to the Dean of Women of the College every case of illness among the women of the College and to report to the Dean of Men every case of illness among the men of the College, with an adequate statement of the nature of the illness.

12. The West Texas Hospital agrees that all case records of students remaining in College after the period covered by this agreement will be available to the College authorities on request.

13. The West Texas Hospital agrees to furnish the College at the close of the summer session a full report of all services rendered to students under this agreement.

### SOME GENERAL REGULATIONS

In the general catalog will be found regulations with reference to absence from classes, double cuts for absences preceding or following holidays, adding subjects, dropping subjects, and changing sections in courses. Likewise, a full discussion is given in the general catalog with reference to grades, course numbers, grade point requirements for graduation, withdrawal from College, suspension from College, et cetera. It is not deemed necessary to list these regulations in the summer school bulletin.

### HOUSING REGULATIONS FOR STUDENTS

Attention is called to certain housing regulations for both men and women, for full discussion of which reference is made to either the tenth or the eleventh annual catalog bulletin of Texas Technological College.

The College has two new and very beautiful residence halls for students, one for men and one for women. Each of these halls is fireproof in construction, well furnished and fully equipped with adequate modern facilities, including kitchen, dining room and social rooms, to minister to the comfort and social life of students. The College considers it a distinct educational

advantage to the student to live in one of these dormitories. Special programs will be conducted during the summer school for the benefit of those living in the dormitories. It is a requirement of the College that students who do not live in Lubbock shall live in these residence halls to the full extent of the capacity of same. Make your reservations in advance.

After the capacity of the dormitories has been exhausted, students will be permitted to live in private boarding houses which have received the approval of the College authorities. Young women will live in places officially approved for women, and young men will live in places officially approved for men. It is not expected that men or women students will move their boarding places during the summer term without the knowledge and approval of the College authorities. The Dean of Women has definite supervision of young women. The Housing Committee for Men, of which Mr. Cecil Horne is chairman, will cooperate with men students in matters pertaining to living quarters.

Mrs. Elizabeth Young is social director of the young women in the Women's Dormitory, and Mrs. Bennie M. Buford occupies a similar position for the men at the Men's Dormitory.

#### STUDENT LOAD

The normal load for any student in either of the summer terms is six semester hours. A student may not register for more than six semester hours in the first term, unless he has maintained during the preceding long session an average of at least B, and has carried a normal schedule of work. In no case will a student be permitted to register or secure credit for more than eight semester hours in either term of the summer school, or for more than fourteen semester hours in the two terms, including any correspondence work. Students who have not done work previously in the Texas Technological College will not be permitted to register for more than six hours in either term of the summer school. Graduate students are limited to six hours in either term, or twelve hours for the entire summer.

#### GRADUATE STUDY

Graduate work in Texas Technological College is confined to work leading to the degrees of master of science and master of arts and is likewise confined to those departments whose staffs and facilities are adequate and qualified to give graduate work.

A special graduate bulletin has been prepared and may be had by writing the Registrar of this institution.

## DEPARTMENT OF EXTENSION

• J. F. McDonald, Director

The Texas Technological College through the Department of Extension offers approximately two hundred and fifty courses to those who cannot attend regular daily classes. The Department of Extension has been approved for correspondence and extension class work by the Association of Texas Colleges, and is a member of the National University Extension Association.

The extension service includes: (1) correspondence instruction, (2) class work in centers away from the campus, (3) night classes on the campus, (4) adult, non-credit courses, (5) group study courses for clubs and societies, and lectures.

### OBJECTIVES

The extension service is designed to meet the needs of the following classes of students: (1) those who desire to work toward a degree or a teacher's certificate, (2) those who wish to prepare for college entrance, (3) those who need to remove deficiencies of college entrance, (4) those who desire to take certain subjects which are not available in the regular daily schedule of the college, and (5) those who choose to take certain subjects for cultural or practical purposes, whether they can or cannot meet the college entrance requirements.

### REGULATIONS

1. One-fourth of the work required for a B. A. degree, and one-half of the work required for a teacher's certificate may be done by correspondence study. Also certain courses in Agriculture, Engineering, and Home Economics are available by correspondence. Additional work may be done through extension classes. Both graduate and undergraduate courses may be taken through extension classes.

2. The registration fee for each correspondence or extension course of two semester hours is \$10.00; of three semester hours, \$15.00, payable in advance, and is not refunded. Extra fees are charged in case of laboratory courses given by extension.

3. Students who desire college credit must meet college entrance requirements. But students over twenty-one may enroll on the basis of individual approval.

4. Correspondence courses may not be begun or completed in residence, except by special permission of the Dean of the division concerned.

5. Persons who are regularly employed, e. g., teachers, are limited to the average of two correspondence or extension class courses each semester.

6. In correspondence courses, a self-addressed stamped envelope with sufficient stamps must be enclosed each time for the return of the lesson sheets to the student.

7. At least one lesson each week should be sent to the instructor, in a correspondence course. The course should be completed within three to four and one-half months. A course of two semester hours may not be completed in less than thirty days; nor of three semester hours in less than forty-five days, except by special permission of the Dean of the division concerned. It must be begun within three months after registration or become inactive. A fee of one dollar may be charged to restore it to the active list. The course expires at the end of twelve months.

8. Extension class courses and correspondence courses for credit are the equivalent in content of the corresponding residence courses, and give college credit for work completed for degree and teachers' certificates.

9. If college credit is to be given, the courses must be concluded by final examinations.



10. The examinations must be taken under the supervision of the instructor, or of an official examiner, who is usually a county superintendent or a city superintendent.

11. In correspondence work, when a student is ready for the final examination he will send an examination fee of one dollar and the name of the examiner to the Department of Extension. There is no fee, however, when the examination is taken on the College campus.

12. A student who has made F on a residence course, may not register for the same course by correspondence, except by written permission of the instructor and of the Dean of the division concerned.

13. Textbooks may be purchased from the Bookstore, Texas Technological College, Lubbock, Texas, or from the publishers.

14. Collateral books needed for a course, when available, may be obtained from the College Library for two months upon depositing \$5 to cover loss or damages of books and service charge. The deposit, less a service charge of \$1, fines, if any, and cost of mailing the books, will be refunded upon the return of the books. Or, the advance payment of a service charge of \$3.00 per year will secure the use of available collateral library books for three or more courses, subject to the same rule as to deposit, fines, and postage and time limit as stated above. The library deposit should be sent direct to the Texas Technological College Library.

#### CORRESPONDENCE COURSES OFFERED

Correspondence courses are offered by the following departments: Agricultural Economics, Agronomy, Animal Husbandry, Dairy Manufacturing, Horticulture, Bible, Biology, Chemistry, Engineering Drawing, Economics, and Business Administration, Education, English, French, Geography, German, Government, History, Home Economics, Journalism, Latin, Library Training, Mathematics, Music, Philosophy, Physical Education, Physics, Psychology, Sociology, and Spanish. Also college admission subjects are available.

#### EXTENSION CLASS INSTRUCTION

Extension classes are organized in centers, upon request of a sufficient number of students, depending upon the distance. Residence credit is granted for extension class instruction except that the student must meet the actual residence requirements in the college provided for in section 1 under requirements for graduation. Both graduate and undergraduate courses are available. The fee is \$15.00 per three semester hour course. Those interested in securing centers should communicate with the Director of Extension.

#### NIGHT CLASSES ON THE COLLEGE CAMPUS

Night classes, meeting once or twice a week, as may be arranged, are organized upon the request of a reasonable number, usually ten. Both graduate and under-graduate courses are available. In some instances both credit and non-credit courses are given. The credits will count as residence credits, and will satisfy degree or certificate purposes. The fee for any subject is \$15.00 per three semester hour course. A laboratory fee is charged for the laboratory sciences.

#### GROUP-STUDY INSTRUCTION

This service includes study outlines, package libraries for reference, and lectures. Details are given upon request.

#### FURTHER INFORMATION

For further information in regard to extension courses, write the Director of Extension, Texas Technological College, Lubbock, Texas.

## DIVISION OF AGRICULTURE

## AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

- 234x. Principles of Agricultural Marketing. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
First term Mr. McBride
- 322x. Marketing Agricultural Products. 2 sem. hrs. 6 lecture hrs.  
First term Mr. McBride
- 331x. Statistical Problems. 3 sem. hrs. 3 lecture hrs. 9 lab. hrs.  
Second term Mr. Ellsworth
- 411x. Agricultural Economics Seminar. 1 sem. hr. 3 lecture hrs.  
First term Mr. McBride
- 412x. Agricultural Economics Seminar. 1 sem. hr. 3 lectures hrs.  
Second term Mr. Ellsworth
- 423x. Farm Management. 2 sem. hrs. 3 lecture hrs. 9 lab. hrs.  
Second term Mr. Ellsworth

## ANIMAL HUSBANDRY

- 122x. Types and Market Classes of Hogs, Horses, and Mules. 2 sem. hrs. 3 lecture hrs. 9 lab. hrs.  
First term Mr. Harbaugh
- 231x. Breeds of Livestock. 3 sem. hrs. 9 lecture hrs.  
First term Mr. Mowery
- 331x. Animal Nutrition and Principles of Feeding. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
Second term Mr. Mowery
- 434x. Swine Production. 3 sem. hrs. 9 lecture hrs.  
Second term Mr. Mowery

## POULTRY HUSBANDRY

- 431x. Poultry Production. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
First term Mr. Mowery

## VETERINARY SCIENCE

- 332x. Livestock Diseases and Parasites. 3 sem. hrs. 9 lecture hrs.  
First term Mr. Harbaugh

## DAIRY MANUFACTURES

- 131x. Principles of Dairy Manufacturing. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
Second term Mr. Renner
- 323x. Market Grades and Classification of Dairy Products. 2 sem. hrs. 3 lecture hrs. 6 lab. hrs.  
First term Mr. Pederson
- 333x. Domestic Dairying. 3 sem. hrs. 12 lecture hrs. 18 lab. hrs.  
First half of first term Mr. Renner



## PLANT INDUSTRY

## Agronomy

- 131x. The Fundamentals of Crop Production. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
Second term Mr. Leidigh
- 221x. Soils. 2 sem. hrs. 6 lecture hrs.  
First term Mr. Young
- 331x. Forage and Pasture Crops. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
First term Mr. Young
- 422x. Soil Management. 2 sem. hrs. 6 lecture hrs.  
First term Mr. Leidigh

## Horticulture

- 131x. Plant Propagation. 3 sem. hrs. 6 lecture hrs. 9 lab. hrs.  
First term Mr. Howell
- 322x. Landscape Appreciation. 2 sem. hrs. 6 lecture hrs.  
First term Mr. Howell

## Agricultural Engineering

- 322x. Farm Shop. 2 sem. hrs. 3 lecture hrs. 9 lab. hrs.  
First term Mr. Clay
- 411x. Soil Management Laboratory. 1 sem. hr. 9 lab. hrs.  
First term Mr. Clay

## VOCATIONAL AGRICULTURE EDUCATION

- 421x. Future Farmer Activities. 2 sem. hrs. 6 lecture hrs.  
First term Mr. Chappelle
- 442x. Agricultural Education. 4 sem. hrs. 12 lecture hrs. (Continuation of 441x.)  
First term Mr. Chappelle

## DIVISION OF ENGINEERING

## ARCHITECTURE AND ALLIED ARTS

- 121x-2x. Freehand Drawing. 4 sem. hrs. 18 lab. hrs. per course.  
First term Mr. Kleinschmidt  
Second term Miss Houghton
- 123x-4x. Elements of Composition. 4 sem. hrs. 18 lab. hrs. per course.  
First and second terms Mrs. Hooper
- 131x. Elements of Architecture. 3 sem. hrs. 27 lab. hrs.  
First term Mr. Kleinschmidt
- 133x. Commercial Lettering. 3 sem. hrs. 24 lab. hrs.  
Second term Miss Houghton
- 221x-2x. Clay Modeling. 4 sem. hrs. 18 lab. hrs. per course.  
First and second terms Mrs. Hooper
- 235x-6x. Principles of Drawing and Painting, and Theory of Design. 6 sem. hrs. 1 lecture hr. 18 lab. hrs. per course. Prerequisite: Arch. 121x-2x.  
First term Mr. Kleinschmidt

- 326x. Cast Figure Drawing.** 2 sem. hrs. 18 lab. hrs. Prerequisite Arch. 121x-2x.  
First term Mr. Kleinschmidt
- 328x. Pencil Rendering and Sketching.** 2 sem. hrs. 18 lab. hrs. Prerequisite: Arch. 235x.  
First term Mrs. Hooper  
Second term Miss Houghton
- 329x. Pen and Ink Rendering.** 2 sem. hrs. 18 lab. hrs. Prerequisite: Arch 328x.  
First term Mrs. Hooper  
Second term Miss Houghton
- 3212x. Building Construction.** 2 sem. hrs. 18 lab. hrs. Prerequisite: Engr. Dwg. 132x or 134x.  
First term Mr. Kleinschmidt
- 333x. Methods of Teaching Art in the Elementary Schools.** 3 sem. hrs. 1 lecture hr. 18 lab hrs. Prerequisite: Arch 121x-2x or 123x-4x; 235x-6x; or equivalent.  
First and second terms Mrs. Hooper
- 334x. Methods of Teaching Art in the High Schools.** 3 sem. hrs. 1 lecture hr. 18 lab. hrs. Prerequisite: Arch. 121x-2x or 123x-4x; 235x-6x; or equivalent.  
First and second terms Mrs. Hooper
- 426x-7x. Oil Painting or Advanced Water Color.** 4 sem. hrs. 18 lab hrs. per course. Prerequisite: Evidence of ability.  
First term Mr. Kleinschmidt  
Second term Mrs. Hooper and Miss Houghton

## CIVIL ENGINEERING

- 331x. Applied Mechanics—Statics.** 3 sem. hrs. 9 lecture hrs. Prerequisite: Math. 251x or registration in Math. 336x.  
First term Mr. Parkhill
- 332x. Applied Mechanics—Kinetics.** 3 sem. hrs. 9 lecture hrs. Prerequisite: C. E. 331x.  
First term Mr. Parkhill
- 333x. Applied Mechanics—Strength of Materials.** 3 sem. hrs. 9 lecture hrs. Prerequisite: C. E. 331x.  
First term Mr. Adams
- 420x. Hydraulics.** 2 sem. hrs. 6 lecture hrs. Prerequisite: C. E. 331x.  
First or second term depending on demand Mr. Adams

## ELECTRICAL ENGINEERING

- 230x. Principles of Electrical Engineering.** 3 sem. hrs. 9 lecture hrs. Prerequisite: Phys. 231x, Math. 251x.  
Second term Mr. Helwig
- 233x. Elements of Radio.** 3 sem. hrs. 9 lecture hrs. Prerequisite: College entrance. A first course in radio, open to any college student interested in studying the fundamentals and practice of radio. Current literature and The Radio Amateur's Handbook will be used as a basis for study.  
First term Mr. Bullen
- 412x. Electrical Engineering Laboratory.** 1 sem. hr. 9 lab. hrs. Prerequisite: E. E. 426x or E. E. 438x or registration in E. E. 438x.  
First term Mr. Bullen

- 413x. Electrical Engineering Laboratory.** 1 sem. hr. 9 lab. hrs. Prerequisite: E. E. 427x or E. E. 439x, or registration in E. E. 439x.  
Second term Mr. Helwig
- 438x. Elements of Electrical Engineering.** 3 sem. hrs. 9 lecture hrs. Prerequisite: Phys. 231x, Math 251x.  
First term Mr. Bullen  
Note: E. E. 438x may be substituted for E. E. 426x.
- 439x. Elements of Electrical Engineering.** 3 sem. hrs. 9 lecture hrs. Prerequisite: E. E. 426x or 438x.  
Second term Mr. Helwig  
Note: E. E. 439x may be substituted for E. E. 427x.

### INDUSTRIAL ENGINEERING, ENGINEERING DRAWING, AND INDUSTRIAL EDUCATION

#### Engineering Drawing

- 132x. Engineering Drawing.** 3 sem. hours. 3 lecture and 18 lab. hours.  
First term. Mrs. Atkinson
- 133x. Engineering Drawing.** 3 sem. hours. 3 lecture and 18 lab. hours.  
First term. Mrs. Atkinson
- 221x. Machine Drawing.** 2 sem. hours. 18 lab. hours. Prerequisite: Engr. Dwg. 133x or equivalent.  
First term. Mr. Street
- 222x. Descriptive Geometry.** 2 sem. hours. 3 lecture and 9 lab. hours. Prerequisite: Engr. Dwg. 132x or equivalent.  
First term. Mr. Street
- 233x. Agricultural Drawing.** 2 sem. hours. 18 lab. hours.  
First term. Mr. Street
- 321x. Mechanical Drawing for Teachers.** 2 sem. hours. 3 lecture and 9 lab. hours. Prerequisite: Engr. Dwg. 221x, 222x.  
First term. Mr. Street

#### Industrial Education

- 311x. History and Principles of Vocational Education.** 1 sem. hour. 3 lecture hours. Prerequisite: Junior standing in Industrial Education or permission of Head of Department.  
First term. Mrs. Atkinson
- 331x. Educational and Vocational Guidance in Engineering.** 3 sem. hours. 9 lecture hours. Prerequisite: Junior standing in Industrial Education or permission of Head of Department.  
First term. Mrs. Atkinson

#### MECHANICAL ENGINEERING

- 121x. General Wood Work.** 2 sem. hours. 18 lab. hours.  
First term. Mr. Hardgrave
- 211x. Sheet Metal Work.** 1 sem. hour. 9 lab. hours. Prerequisite: Registration in Engr. Dwg. 133x.  
First term. Mr. Hardgrave
- 221x. Engineering Problems.** 2 sem. hours. 3 lecture and 6 lab. hours. Prerequisite: Phys. 134x.  
First term. Mr. Doughtie

- 311x. Pattern Shop.** 1 sem. hour. 9 lab. hours. Prerequisite: Engr. Dwg. 133x.  
First term. Mr. Hardgrave
- 312x. Foundry Practice.** 1 sem. hour. 9 lab. hours. Prerequisite: Registration in M. E. 311x.  
First term. Mr. Hardgrave
- 313x. Machine Shop.** 1 sem. hour. 9 lab. hours. Prerequisite: Engr. Dwg. 133x.  
First term. Mr. Hardgrave
- 314x. Machine Shop.** 1 sem. hour. 9 lab. hours. Prerequisite: M. E. 313x.  
First term. Mr. Hardgrave
- 315x. Heat Treating of Steel.** 1 sem. hour. 9 lab. hours. Prerequisite: Chem. 220x, M. E. 337x recommended.  
First term. Mr. Hardgrave
- 316x. Welding Practice.** 1 sem. hour. 18 lab. hours.  
First term. Mr. Hardgrave
- 319x. Advanced Foundry Practice.** 1 sem. hour. 9 lab. hours. Prerequisite: M. E. 312x.  
First term. Mr. Hardgrave
- 333x. Kinematics of Machinery.** 3 sem. hours. 9 lecture hours. Prerequisite: Engr. Dwg. 133x, M. E. 221x, C. E. 332x.  
First term. Mr. Doughtie

Additional courses may be offered if sufficient demand exists.

#### TEXTILE ENGINEERING

- 311x. Cotton Classing.** 1 semester hour credit. 9 laboratory hours per week.  
First Term. Mr. Heard
- 325x. Cotton Classing & Marketing.** 2 semester hours credit. Three hours lecture and 9 lab. hours.  
First term. Mr. Heard
- 233x. Hand Weaving from Fiber to Fabric.** 3 semester hours credit. 3 lecture hours and 18 lab. hours.  
First term. Mr. Redding
- 231x. Textile Fibers & Fabrics.** 3 semester hours credit. 6 lecture hours and 9 lab. hours.  
First term. Mr. Redding

The annual short course in Cotton Classing will begin June 10th and run for a period of two weeks. This is a non-credit course and is open to anyone interested in this work upon payment of the special fee for this course.

### DIVISION OF HOME ECONOMICS

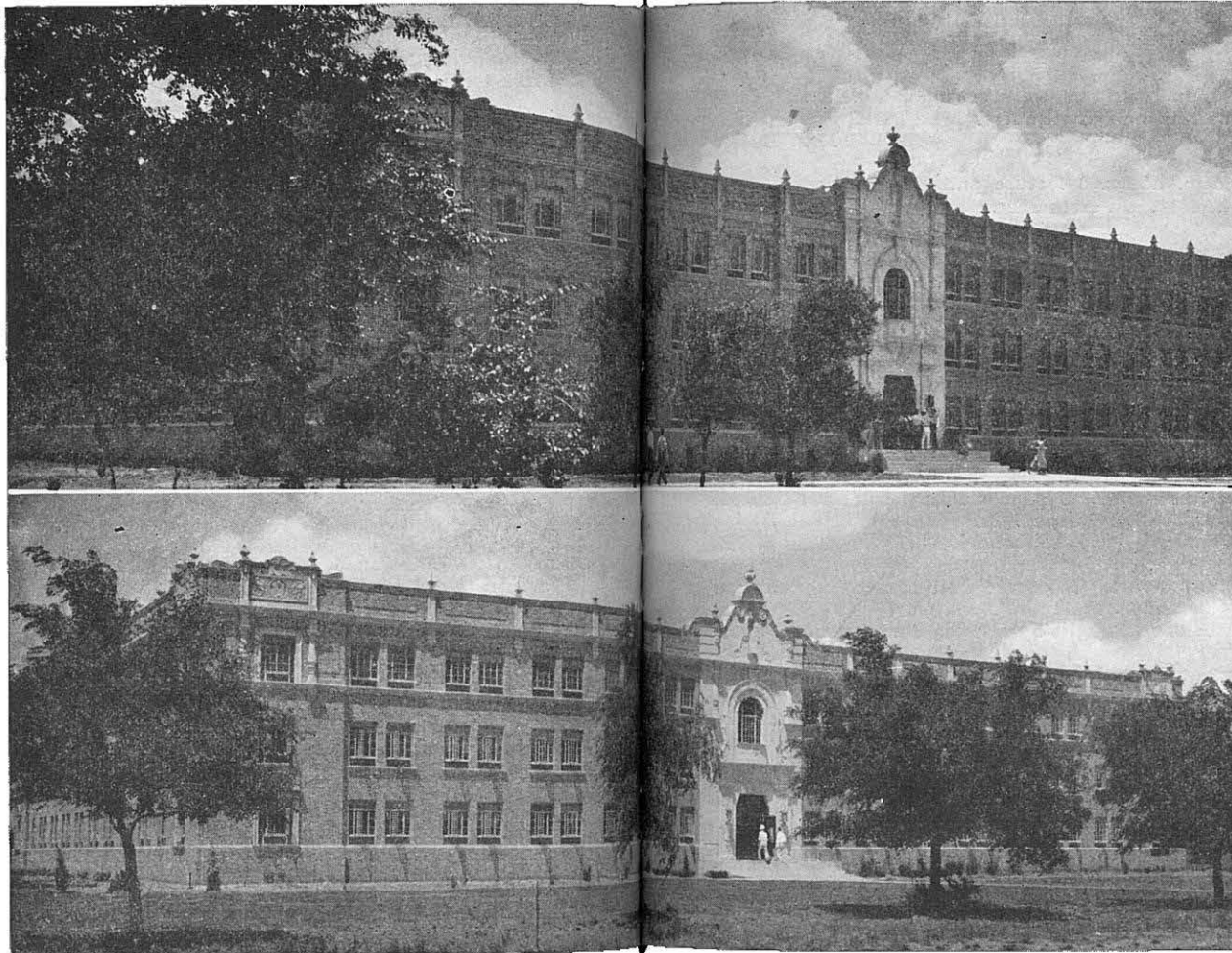
#### DEPARTMENT OF APPLIED ARTS

- 231x. Costume Design.** 3 sem. hours. 6 lecture and 9 lab. hours. Prerequisite: A. A. 131x.  
First term. Miss Poindexter
- 331x. Interior Decoration.** 3 sem. hours. 6 lecture and 9 lab. hours. Prerequisite: A. A. 131x.  
First term. Miss Poindexter

# TECH'S NEW ORMITORIES

*Capacity Each*

*Top—Women's Residence Hall—Men's Residence Hall*



Price of board and room for term of six whole rooms, \$32.00; Corner rooms. \$33.50.

A few individual private bath, \$40.00

Reservations may be made by sending \$1.00 to W. T. Gaston, Business Manager

## DEPARTMENT OF CLOTHING AND TEXTILES

- 131x. Elementary Textiles.** 3 sem hours. 6 lecture and 9 lab hours.  
Second term. Mrs. Buster
- 132x. Elementary Clothing Construction.** 3 sem. hours. 3 lecture and 18 lab. hours.  
First term. Miss Looney
- 231x. Pattern Designing.** 3 sem. hours. 3 lecture and 18 lab. hours. Pre-requisite: Cloth. 131x, 132x; A. Arts 231x (or parallel).  
First term. Miss Looney.
- 321x. Children's Clothing.** 2 sem. hours. 3 lecture and 9 lab. hours. Pre-requisite: Cloth. 131x, 132x; 231x or 232x; A. Arts 131x, 231x.  
Second term. Mrs. Buster
- 422x. Home Furnishings.** 2 sem. hours. 3 lecture and 9 lab. hours. Pre-requisite or parallel: Cloth. 431x. A. Arts 331x.  
Second term. Miss Erwin
- 431x. Textile Economics.** 3 sem. hours. 6 lecture and 9 lab. hours. Pre-requisite: Cloth. 231x or 232x; Eco. 231x-2x or Eco. 235x.  
Second term. Miss Erwin

## DEPARTMENT OF FOODS AND NUTRITION

- 231x. Dietetics.** 3 sem hours. 6 lecture and 9 lab. hours. Prerequisite: Foods 131x-2x. Chem. 131x-2x. Prerequisite or parallel: Zool 235x-6x.  
First term. Miss Schuck
- 232x. Meal Planning and Table Service.** 3 sem. hours. 3 lecture and 18 lab. hours. Prerequisite or parallel: Foods 132x.  
Second term. Miss Weeks
- 321x. Food Preservation.** 2 sem. hours. 6 lecture and 18 lab. hours. Pre-requisite: Junior standing or above.  
First term, second three weeks Taught by a home demonstration agent
- 322x. Demonstration Cookery.** 2 sem. hours. 3 lecture and 9 lab. hours. Prerequisite: Foods 231x-2x.  
First term. Miss Johnson
- 332x. Food Purchasing.** 3 sem. hours. 6 lecture and 9 lab. hours. Prerequisite: Foods 232x.  
Second term. Miss Craddock
- 432x. Advanced Nutrition.** 3 sem. hours. 6 lecture and 9 lab. hours. Pre-requisite: Foods 231x; Chem. 341x.  
First term. Miss Schuck

## DEPARTMENT OF HOME ECONOMICS EDUCATION

- 431x. Methods of Teaching Home Economics.** 3 sem. hours. Prerequisite: Ed 234x; senior standing.  
First term. Miss Johnson
- 432x. Improvement of Techniques in Home Economics Teaching.** 3 sem. hours. Prerequisite: Experience in teaching home economics in high school.  
First term, three weeks.

## DEPARTMENT OF HOME MANAGEMENT

**421x. Child Development.** 2 sem. hours. 3 lecture and 9 lab. hours in Nursery School. Prerequisite: Psy. 230x or Psy. 231x.  
First term. Miss Callan

**432x. Residence in Home Management House.** 2 sem. hours. Prerequisite: H. Mgt. 331x; 12 hours in Foods.  
First term. Miss Callan

Get admittance card from Dean Weeks before registration.

## DIVISION OF ARTS AND SCIENCES

## BIOLOGY

## Bacteriology

**331x-2x. General Bacteriology.** 6 sem. hours. Prerequisite: Twelve semester hours in Botany, Zoology, Chemistry, Geology, or Physics; prerequisite or parallel: 6 semester hours in Chemistry. This is a full year's work. Students not permitted to enroll for this course after the second day, July 22.  
Second term. Mr. Sealey

## Botany

**131x-2x. General Botany.** 6 sem. hours. Botany and its subdivisions; introductory survey of the plant kingdom; structure and function of the higher plants; review of the plant groups from the algae to the higher plants. Emphasis is placed on the field aspects of botany. Offered in the field.  
First term. Mr. Voth

**333x-4x. Plant Ecology.** 6 sem. hours. Prerequisite: At least 6 sem. hours in Botany; will count as an advanced course upon the completion of 12 other sem. hours in Botany or Bacteriology. Relation of the plant to the various factors of the environment; plant communities; plant succession; plant geography. Offered in the field.  
First term. Mr. Studhalter

## Zoology

**131x-2x. General Zoology.** 6 sem hours. This is a full year's work.  
Second term. Mr. Reed

**235x-6x. The Human Body.** 6 sem. hours. This is a full year's work. Prerequisite: Sophomore standing.  
First term. Miss League

## CHEMISTRY

**131x. General Chemistry.** 3 sem. hrs.  
First term. Mr. Slagle

**132x. General Chemistry.** 3 sem. hours. (A continuation of Chem. 131x).  
Second term. Mr. Craig

**220x. Qualitative Analysis.** 2 sem hours. Prerequisite: Chem. 131x-2x; although 132x may be taken in parallel.  
Second term. Mr. Slagle

**242x. Inorganic Chemistry.** 4 sem. hours. Prerequisite: Chem. 220x.  
Second term. Mr. Slagle

- 341x. Organic Chemistry.** 4 sem hours. Prerequisite: Chem. 131x-2x. For students in the Divisions of Agriculture and Home Economics.  
First term Mr. Schneider
- 343x. Organic Chemistry.** 4 sem hours. Prerequisite: Chem. 131x-2x, and 220x.  
First term Mr. Goodwin
- 344x. Organic Chemistry.** 4 sem. hours. (Continuation of Chem. 343x)  
Second term Mrs. Marshall
- 421x. Organic Combustion Analysis.** 2 sem. hours. Prerequisite: Consent of the instructor.  
First term Mr. Goodwin
- 430x. Technical Analysis.** 3 sem. hours. Prerequisite: Consent of instructor.  
First term Mr. Goodwin
- 434x. Organic Preparations.** 3 sem. hours. Prerequisite: Consent of instructor.  
First term Mr. Goodwin
- 441x. Physical Chemistry.** 4 sem. hours. Prerequisite: Chem. 220x, 242x, 331x-2x, 343x-4x, 5 semester hours in calculus, 6 semester hours in physics, and consent of instructor. 343x-4x may be taken in parallel.  
First term Mr. Slagle
- 442x. Physical Chemistry.** 4 sem. hours. (Continuation of Chem. 441x)  
Second term Mr. Craig

#### ECONOMICS AND BUSINESS ADMINISTRATION

##### Economics

- 231x. Principles of Economics.** 3 sem. hours. Prerequisite: Sophomore standing.  
First term Mr. Plank
- 232x. Principles of Economics.** 3 sem hours. (Continuation of Eco. 231x)  
Second term Mr. Plank
- 233x. Economic Development of Europe.** 3 sem. hours. Prerequisite: Sophomore standing.  
First term Mr. Plank
- 433x. International Economic Problems and Foreign Trade.** 3 sem. hours. Prerequisite: Eco. 231x-2x.  
First term Mr. Root
- 436x. Economic Theory: Development and Present Status.** 3 sem. hours. Prerequisite: Eco. 231x-2x.  
Second term Mr. Plank

##### Business Administration

- 211x. Elementary Typewriting.** 1 sem. hour.  
First term Mr. Prim
- 221x. Advanced Typewriting.** 2 sem hours.  
Second term Mrs. Jackson
- 234x. Introduction to Accounting.** 3 sem hours. Prerequisite: Sophomore standing.  
First term Mr. Condray
- 235x. Introduction to Accounting.** 3 sem. hours. (Continuation of B. A. 234x).  
Second term Mrs. Jackson



- 330x. **Principles of Finance.** 3 sem. hours. Prerequisite: Eco 231x-2x.  
First term Mr. Root
- 331x. **Problems in Finance.** 3 sem. hours. Prerequisite: Eco. 231x-2x.  
Second term Mr. Root
- 334x. **Business Law.** 3 sem. hours. Prerequisite: Eco. 231x-2x.  
First term Mr. Condray
- 335x. **Business Law.** 3 sem. hours. (Continuation of B. A. 334x).  
Second term Mr. Root

## EDUCATION AND PSYCHOLOGY

## Education

- 132x. **Classroom Management and Methods.** 3 sem. hours.  
Second term Mr. Oberholtzer
- 135x. **Methods of Teaching Penmanship in the Elementary Grades.** 3 sem. hours.  
First term Miss Secest
- 221x. **Social Activities in the Primary Grades.** 2 sem. hours. Prerequisite: Sophomore standing in Education.  
First term Miss Dysart
- 225x. **Materials and Methods in the Social Studies of the Elementary Grades.** 2 sem. hours.  
First term Mr. Shulkey
- 226x. **The Primary Skills, Arithmetic, Writing and Spelling.** 2 sem. hours. Prerequisite: Sophomore standing in Education.  
Second term Miss Dysart
- 227x. **Reading in the Elementary Grades.** 2 sem hours. Prerequisite: Sophomore standing in Education.  
First term Miss Dysart
- 229x. **Rural Education.** 2 sem. hours.  
Second term Mr. Barnett
- 234x. **Principles of Secondary Education.** 3 sem hours. Prerequisite: Sophomore standing in Education.  
First term Mr. Jackson  
Second term Mr. McIntosh
- 235x. **High School Methods.** 3 sem. hours. Prerequisite: Sophomore standing in Education.  
First term Mr. Garlin  
Second term Mr. Shaver
- 320x. **The Principal and His School.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Shulkey
- 323x. **Observation and Practice Teaching.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Section 1 Mr. Jackson  
Section 2 Miss True
- 324x. **Basic Principles of Method.** 2 sem. hours. Prerequisite: Junior standing in Education.  
Second term Mr. Garlin

- 325x. The Junior High School.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Barnett
- 326x. Educational and Vocational Guidance.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Gordon
- 327x. Methods in Classroom Tests.** 2 sem. hours.  
First term Mr. Evans
- 329x. Character Education.** 2 sem. hours. Prerequisite: Junior standing in Education.  
Second term Mr. Evans
- 3210x. Literature in the Primary Grades.** 2 sem. hours. Prerequisite: Sophomore standing in Education.  
Second term Miss Dysart
- 3212x. The Integration of the Activity Program.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Miss True
- 421x. Education in the United States.** 2 sem. hours. Prerequisite: Senior standing in Education.  
Second term Mr. Barnett
- 422x. Public School Administration.** 2 sem. hours. Prerequisite: Senior standing or consent of the instructor.  
Second term Mr. Evans
- 423x. School Publicity.** 2 sem. hours. Prerequisite: Senior standing in Education.  
Second term Mr. Garlin
- 424x. Supervision of Instruction.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Garlin
- 425x. Extra-Curricular Activities** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Evans
- 426x. The Curriculum.** 2 sem. hours. Prerequisite: Senior standing in Education or consent of the instructor.  
First term Mr. Jackson
- 429x. Techniques of Curriculum Construction.** 2 sem. hours. Prerequisite: Senior standing or consent of instructor.  
Second term Mr. Jackson
- Span. 439x. Curriculum Production in Spanish.** 3 sem. hours. (See write-up under "Spanish".)  
First term Mr. Manchester
- 530x. Research.** 3 sem. hours. Prerequisite: Graduate standing in Education.  
Both terms Messrs. Evans, Garlin, and Barnett

### Psychology

- 230x. Introduction to Psychology.** 3 sem. hours. Prerequisite: Sophomore standing.  
First term Miss True  
Second term Mr. Shaver

- 231x. Educational Psychology.** 3 sem. hours. Prerequisite: Sophomore standing.  
First term Mr. Barnett
- 321x. Child Psychology.** 2 sem. hours. Prerequisite: 3 sem. hours in Psychology and junior standing.  
Second term Miss Dysart
- 323x. Measurements in Education.** 2 sem. hours. Prerequisite: Junior standing in Education.  
First term Mr. Shulkey
- 325x. The Psychology of Adolescence.** 2 sem. hours. Prerequisite: 3 sem. hours in Psychology.  
Second term Mr. Jackson
- 421x. Mental Tests.** 2 sem. hours. Prerequisite: Psychology 323x or 333x.  
Second term Mr. Jackson
- 423x. Mental Hygiene.** 2 sem. hours. Prerequisite: Psychology 230x.  
First term Miss Dysart

## ENGLISH

- 131x. Freshman Composition.** 3 sem. hours.  
First term Mr. Cunningham, Miss Teague  
Second term Mr. Murphy
- 132x. Freshman Composition.** 3 sem. hours. (Continuation of 131x)  
First term Mr. Smallwood, Miss Horn  
Second term Mr. Allen, Miss McGee
- 231x. Introduction to Literature: Drama and Novel.** 3 sem. hours. Prerequisite: English 131x-2x or its equivalent.  
First term Mrs. Doak, Mr. Strout  
Second term Mr. Fowler
- 232x. Introduction to Literature: Short Story and Poetry.** 3 sem. hours. (Continuation of Eng. 231x)  
First term Mr. Gates, Miss Horn  
Second term Mr. Mills
- Note: English 131x-2x and 231x-2x, or their equivalent, are prerequisite to all advanced courses in English.
- 330x. Chaucer.** 3 sem. hours.  
First term Mr. Carter
- 332x. History of the English Language.** 3 sem. hours.  
First term Mr. Carter
- 335x. American Drama: 1865 to the Present.** 3 sem. hours.  
First term Mr. Smallwood
- 337x. Grammar for Speech.** 3 sem. hours.  
Second term Mr. Fowler
- 3314x. Biblical Literature.** 3 sem. hours.  
Second term Miss McGee
- 433x. Shakespeare: Later Plays and Criticism.** 3 sem. hours.  
First term Mr. Gates
- 436x. English Romanticism.** 3 sem. hours.  
First term Mr. Strout

- 438x. **Nineteenth Century English Prose.** 3 sem. hours.  
First term Miss Teague
- 439x. **Contemporary Drama.** 3 sem. hours.  
Second term Mr. Murphy
- 460x. **A Literary Tour of Europe.** 6 sem. hours.  
Second term Mr. Strout
- 530x. **The Contemporary Short Story.** 3 sem. hours.  
First term Mr. Cunningham
- 531x. **The American Novel.** 3 sem. hours.  
Second term Mr. Mills
- 532x. **The English Novel.** 3 sem. hours.  
Second term Mr. Allen

### Journalism

- J432x. **High School Publications.** 3 sem. hours.  
First term Mr. Horne

## FOREIGN LANGUAGES

### French

- 131x. **A Beginning Course in French.** 3 sem. hours.  
First term Mr. Cook
- 132x. **A Beginning Course in French.** 3 sem. hours. (Continuation of French 131x)  
Second term Mr. Strehli
- 231x. **A Reading Course in French.** 3 sem. hours. Prerequisite: French 131x-2x, or two units of high school French.  
First term Mr. Cook
- 232x. **A Reading Course in French.** 3 sem. hours. (Continuation of French 231x)  
Second term Mr. Henninger

### Latin

- 131x-2x. **A Beginning Course in Latin.** 6 sem. hours.  
First term Mrs. Dingus
- 133x. **Latin Terminology.** 3 sem. hours.  
First term Mrs. Dingus

### Spanish

- 131x. **A Beginning Course in Spanish.** 3 sem. hours.  
First term Mrs. Gates
- 132x. **A Beginning Course in Spanish.** 3 sem. hours. (Continuation of Span. 131x)  
Second term Mr. Henninger
- 231x. **Grammar, Reading, Composition and Conversation.** 3 sem. hours.  
Prerequisite: Span. 131x-2x or two units of high school Spanish.  
First term Mr. Strehli
- 232x. **Grammar, Reading, Composition and Conversation.** 3 sem. hours.  
(Continuation of Span. 231x)  
Second term Miss Bengé

- 331x. **Contemporary Literature.** 3 sem. hours. Prerequisite: Span. 231x-2x or three or four units of high school Spanish.  
First term Mrs. Gates
- 332x. **Contemporary Literature.** 3 sem. hours. (Continuation of Span. 331x).  
Second term Miss Bengé
- 435x. **Teachers' Course in Methods of Teaching Spanish.** 3 sem. hours. Prerequisite: Span. 331x-2x and one year of Education.  
Second term Mr. Qualia
- 436x. **Advanced Grammar, Composition and Style.** 3 sem. hours. Prerequisite: Span. 331x-2x or its equivalent. Recommended for those who intend to teach Spanish.  
First term Mr. Qualia
- 437x. **Advanced Grammar, Composition and Style.** 3 sem. hours. (Continuation of Span. 436x).  
First term Mr. Qualia
- 439x. **Curriculum Production in Spanish.** 3 sem. hours. A critical study of the outcomes sought in the study of foreign languages and of Spanish in particular. Discussion of the new approach to the study of foreign languages resulting from the emphasis on "outcomes" as against "aims." Construction of units of study. This course may be counted either as Spanish or Education.  
First term Mr. Manchester
- 535x. **A Survey of Spanish Literature.** 3 sem. hours. Prerequisite: Span. 331x-2x. Especially recommended for students who expect to teach Spanish.  
First term Mr. Strehli
- 536x. **A Survey of Spanish Literature.** 3 sem. hours. (Continuation of Span. 535x).  
Second term Mr. Strehli

## GEOLOGY

- 131x-2x. **General Geology.** 6 sem. hours. This is a full year's work.  
Second term Mr. Patton
- 363x. **Field Geology.** 6 sem. hours. Prerequisite: Geol. 131x-2x. The course for the summer of 1936 will consist of detailed geologic work in the Sangre de Cristo Mountains of New Mexico. At the beginning of the course each student will make a deposit of \$45.00 to cover living expenses for the six weeks, transportation from Lubbock to the field and return, and transportation while in the field. Any unused portion of the deposit will be returned pro rata. While this course is intended primarily for students making Geology their major, it can be taken with profit by the general student.  
First term Mr. Patton
- 535x. **Advanced Work in Specific Fields.** Credit varies. Prerequisite: Twenty-four hours in Geology and senior or graduate standing. Registration only with the approval of the Head of the Department.  
Second term Mr. Patton

## Geography

- 131x-2x. **Principles of Geography.** 6 sem. hours. This is a full year's work.  
First term Mr. Sidwell

## GOVERNMENT

- 131x. American Government, National.** 3 sem. hours.  
 First term Mr. J. W. Jackson, Mr. Ogdon  
 Second term Mr. J. W. Jackson
- 132x. American Government, State.** 3 sem. hours.  
 First term Mr. J. W. Jackson  
 Second term Mr. Ogdon
- 320x. American Government, National and State.** 2 sem. hours. Meets the minimum requirements for teacher certification.  
 Both terms Mr. Pender
- 331x. Local Government.** 3 sem. hours. Prerequisite: American Government.  
 Second term Mr. J. W. Jackson
- 333x. American Political Parties, Party Development.** 3 sem. hours. Prerequisite: American Government.  
 First term Mr. W. A. Jackson
- 334x. American Political Parties, Party Analysis.** 3 sem. hours. Prerequisite: American Government.  
 Second term Mr. W. A. Jackson
- 431x. American Constitutional Law.** 3 sem. hours. Prerequisite: American Government or American History.  
 First term Mr. Ogdon
- 432x. American Constitutional Law.** 3 sem. hours. (Continuation of Govt. 431x)  
 Second term Mr. Ogdon
- 437x. Political Geography.** 3 sem. hours. Prerequisite: Junior standing.  
 First term Mr. Pender
- 438x. World Politics.** 3 sem. hours. Prerequisite: American Government or six consecutive hours in History.  
 Second term Mr. Pender

## HISTORY AND ANTHROPOLOGY

## History

- 131x. History of Civilization.** 3 sem. hours.  
 First term Mr. Ralph
- 132x. History of Civilization.** 3 sem. hours. (Continuation of Hist. 131x).  
 Second term Mr. Ford
- 231x. Economic and Political History of the United States to 1829.** 3 sem. hours.  
 First term Mr. McKay
- 232x. Economic and Political History of the United States, 1829 to the Present.** 3 sem. hours. (Continuation of Hist. 231x).  
 Second term Mr. McKay
- 330x. Teaching of History in the High School.** 3 sem. hours. Prerequisite: 12 sem. hours in History; 12 sem. hours in Education.  
 Second term Mr. Eaves
- 333x. Modern Europe, 1492-1789.** 3 sem. hours.  
 First term Mr. Eaves

- 331x. **Modern Europe, 1789-1870.** 3 sem. hours. (Continuation of Hist. 333x).  
Second term Mr. Elaves
- 336x. **Tudor and Stuart England.** 3 sem. hours.  
First term Mr. Ralph
- 4311x. **The Civil War and Reconstruction.** 3 sem. hours.  
First term Mr. McKay
- 4312x. **The Civil War and Reconstruction.** 3 sem. hours. (Continuation of Hist 4311x).  
Second term Mr. McKay
- 4313x. **The United States since the Civil War.** 3 sem. hours.  
First term Mr. Ford
- 4314x. **The United States since the Civil War.** 3 sem. hours. (Continuation of 4313x).  
Second term Mr. Ford
- 535x. **The Technique of Research.** 3 sem. hours. Prerequisite: Senior or graduate standing.  
First term Mr. Ford

#### Anthropology

- 336x-7x. **Mexican Archaeology.** 6 sem. hours. Prerequisite: Permission of the instructor. A field course in old Mexico. Lectures, research, excavation, and visits to archaeological ruins in the vicinity of Mexico City.  
First term Mr. Holden

Note: For students majoring in History, History 131x-2x and History 231x-2x are prerequisite for History courses numbered 300 and above. With the permission of the Head of the Department History 133x-4x may be substituted for 131x-2x.

#### MATHEMATICS

- 121x. **Algebra.** 2 sem. hours. Prerequisite: One and one-half units of high school algebra.  
First term Mr. Heineman
- 122x. **Algebra.** 2 sem. hours. (Continuation of Math. 121x).  
Second term Mr. Christianson
- 130x. **Algebra.** 3 sem. hours. Prerequisite: 1 unit of high school algebra.  
Second term Mr. Christianson
- 131x. **Plane Trigonometry.** 3 sem. hours. Prerequisite: One unit of high school algebra and one unit of plane geometry.  
First term Mr. Michie
- 132x. **Analytic Geometry.** 3 sem. hours. Prerequisite: Math. 131x.  
Second term Mr. Michie
- 233x. **Calculus Applications.** 3 sem. hours. Prerequisite: Math. 251x.  
First term Mr. Heineman
- 238x. **Statistics.** 3 sem. hours. Prerequisite: Math. 138x.  
First term Mr. Langston
- 335x. **Differential Calculus.** 3 sem. hours. Prerequisite: Math 132x or 236x.  
First term Mr. Langston

- 336x. Integral Calculus.** 3 sem. hours. Prerequisite: Math. 335x.  
Second term Mr. Christianson
- 430x. Finite Differences.** 3 sem. hours. Prerequisite: Math. 335x.  
First term Mr. Michie
- 437x. Higher Geometry.** 3 sem. hours. Prerequisite: Consent of instructor.  
First term Mr. Heineman
- 534x. Synthetic Projective Geometry.** 3 sem. hours. Prerequisite: Consent of the instructor.  
First term Mr. Langston
- 535x. Analytic Projective Geometry.** 3 sem. hours. Prerequisite: Consent of the instructor.  
Second term Mr. Michie
- 540x. Thesis Course.** Prerequisite: Graduate standing and 30 semester hours in mathematics.  
Both terms Staff

## MUSIC

- 121x. Solfeggio.** 2 sem. hours.  
First term Mr. Blitz
- 122x. Solfeggio.** 2 sem. hours. (Continuation of Music 121x).  
First term Mr. Blitz
- 123x. Harmony.** 2 sem. hours.  
First term Mr. Blitz
- 337x. Music Education.** 3 sem. hours.  
Second term Mr. Blitz
- 338x. Music Education.** 3 sem. hours. (Continuation of Music 337x).  
Second term Mr. Blitz

## Band

- 131x-2x. Band.** 6 sem. hours. Beginning course.  
First term
- 231x-2x. Band.** 6 sem. hours. Prerequisite: Band 131x-2x.  
First term
- 321x. Band Conducting and Methods.** 2 sem. hours.  
First term
- 331x-2x. Band.** 6 sem. hours. Prerequisite: Junior standing in band.  
First term
- 421x-2x. Band Conducting and Teaching Methods.** 4 sem. hours. Prerequisite: Band 321x.  
First term
- 431x-2x. Band.** 6 sem. hours. Prerequisite: Senior standing in band.  
First term

The courses in Band Conducting and Methods outlined above will be given by Mr. D. O. Wiley, Mr. Wilson Betts, Mr. H. A. Anderson and Mr. A. A. Harding of the University of Illinois, who will spend one week conducting and teaching in the Band School.



## PHILOSOPHY AND SOCIOLOGY

## Philosophy

- 233x. Introduction to Philosophy. 3 sem. hours.  
First term

Mr. Bahm

## Sociology

- 431x. Social Psychology. 3 sem. hours.  
First term

Mr. Bahm

## PHYSICAL EDUCATION FOR MEN

- 113x. Physical Education. 1 sem. hour.  
First term

- 114x. Physical Education. 1 sem. hour. (Continuation of P. E. 113x).  
Second term

- 213x. Physical Education. 1 sem. hour.  
First term

- 214x. Physical Education. 1 sem. hour. (Continuation of P. E. 213x).  
Second term

- 237x. Technique of Sports. 3 sem. hours.  
First term

- 238x. Technique of Sports. 3 sem. hours. (Continuation of P. E. 237x).  
Second term

- 431x. Theory and Practice of Coaching Football. 3 sem. hours.  
First term

- 432x. Theory and Practice of Coaching Basketball and Track. 3 sem. hours.  
Second term

## PHYSICAL EDUCATION FOR WOMEN

- 111x. Fundamentals in Gymnastics and Rhythms. 1 sem. hour.  
First term

- 112x. Stunts, Games, and Sports. 1 sem. hour.  
Second term

Miss Baskin

- 212x. Tennis. 1 sem. hour.  
Second term

Miss Baskin

- 218x. Volley Ball. 1 sem. hour.  
First term

- 2112x. Swimming. 1 sem. hour.  
First term  
Second term

Mrs. Langford

- 230x. Principles of Health Education. 3 sem. hours.  
First term

Miss Riegel

- 233x. Methods in Elementary Physical Education. 3 sem. hours. For women and men.  
First term  
Second term

Miss Riegel  
Mrs. Langford

- 235x. Technique of Sports. 3 sem. hours.  
First term

Miss Riegel

- 236x. Technique of Sports.** 3 sem. hours. (Continuation of P. E. 235x).  
Second term Mrs. Langford
- 338x. Teaching of Rhythmical Activities.** 3 sem. hours.  
Second term Miss Baskin

In addition to the above courses, the following non-credit classes will be sponsored by the Physical Education Department for all students who are interested:

Folk Dancing Club—First term, 7-8 p. m., Friday, Gym.

Clogging Club—Second term, 7-8 p. m., Friday, Gym.

Recreational Swimming—Both terms, 7-8 p. m., Wednesday, Swimming Pool.

These classes are open to both men and women students who are regularly enrolled during the summer school. No credit will be given for the work.

### PHYSICS

- 131x. Elements of College Physics.** 3 sem. hours.  
First term Mr. Mast
- 132x. Elements of College Physics.** 3 sem. hours. (Continuation of Physics 131x).  
Second term Mr. Mast
- 133x. Freshman Engineering Physics.** 3 sem. hours.  
First term Mr. Mast
- 134x. Freshman Engineering Physics.** 3 sem. hours. (Continuation of Physics 133x).  
Second term Mr. Mast
- 211x. Physical Measurements.** 1 sem. hour. Prerequisite: Physics 131x-2x or registration therein.  
First term Mr. Mast
- 212x. Physical Measurements.** 1 sem. hour. (Continuation of 211x).  
Second term Mr. Mast
- 231x. Sophomore Physics.** 3 sem. hours. Prerequisite: Physics 133x-4x or its equivalent and freshman mathematics.  
First term Mr. George
- 232x. Sophomore Physics.** 3 sem. hours. (Continuation of Physics 231x).  
Second term Mr. Abbitt
- 423x-4x. Electrical Measurements.** 4 sem. hours. Prerequisite: Physics 131x-2x and integral calculus.  
First term Mr. Schmidt
- 435x.\* Introduction to Modern Physics.** 3 sem. hours. Prerequisite: Physics 231x-2x and calculus.  
First term Mr. George
- 436x.\* Introduction to Modern Physics.** 3 sem. hours. (Continuation of Physics 435x).  
Second term Mr. Abbitt

\*If the demand is greater for either 531x-2x or 535x-6x, one of these may be offered in place of 435x-6x.

## SPEECH

- 131x. **Fundamentals of Speech.** 3 sem. hours.  
Second term Miss Pendleton
- 231x. **Technique of Dramatic Art.** 3 sem. hours.  
First term Miss Pirtle
- 235x. **Argumentation and Debate.** 3 sem. hours. Prerequisite: Govt. 131x-2x  
or enrollment therein.  
Second term Miss Pendleton
- 432x. **Phonetics and Speech Correction.** 3 sem. hours. Prerequisite: Speech  
233x and Zool. 235x-6x.  
First term Miss Pirtle

## BIBLE

- 234x. **The Life of Christ.** 3 sem. hours.  
First term Mr. Fry
- 335x. **The Poetic Section of the Old Testament.**  
First term Mr. Fry

## COURSES OF INSTRUCTION SUMMER SESSION, 1936

## DIVISION OF AGRICULTURE

## FIRST TERM

| Dept.   | Course No. | Description  | Instructor |                  |            |              |
|---|------------|--|------------|------------------|------------|--------------|
| <b>AGRICULTURAL ECONOMICS AND FARM MANAGEMENT</b> |            |  |            |                  |            |              |
|   | 234x       | Principles of Agricultural Marketing               | McBride    | 8:30-10          | MWFS       | A109         |
|   | 234x-a     |  | McBride    | 2-5              | TWT        | A109         |
|   | 322x       | Marketing Agricultural Products                    | McBride    | 7-8:30           | TTFS       | A109         |
|   | 411x       | Agricultural Economics Seminar                     | McBride    | 7-8:30           | MW         | A105         |
| <b>ANIMAL HUSBANDRY</b>                           |            |  |            |                  |            |              |
| <b>A. H.</b>                                      |            |  |            |                  |            |              |
|   | 122x       | Types and Market Classes of hogs, horses & mules   | Harbaugh   | 7-8:30           | MW         | P102         |
|   | 122x-a     |  | Harbaugh   | 2-5              | MWF        | P101         |
| <b>Poultry Husbandry</b>                          |            |  |            |                  |            |              |
|   | 431x       | Poultry Production                                 | Mowery     | 7-8:30           | TTFS       | P105         |
|   | 431x-a     |  | Mowery     | 2-5              | TTS        | P102         |
|   | 231x       | Breeds of Livestock                                | Mowery     | 10               | M-S        | P102         |
| <b>Veterinary</b>                                 |            |  |            |                  |            |              |
|   | 332x       | Diseases and Parasites                             | Harbaugh   | 10-11:30         | M-S        | P105         |
| <b>DAIRY MANUFACTURES</b>                         |            |  |            |                  |            |              |
|   | 323x       | Market Grades and Classification of Dairy Products | Pederson   | 8:30-10          | TT         | A109         |
|   | 232x-a     |  | Pederson   | 2-5              | TTS        | A110         |
|   | 333x       | Domestic Dairying                                  | Renner     | To be arranged   |            |              |
| <b>PLANT INDUSTRY</b>                             |            |  |            |                  |            |              |
| <b>Agronomy</b>                                   |            |  |            |                  |            |              |
|   | 221x       | Soils  | Young      | 7-8:30           | TTFS       | 302          |
|   | 331x       | Forage and Pasture crops                           | Young      | 8:30-10          | MWFS       | P102         |
|   | 331x-a     |  | Young      | 2-5              | MWF        | A112         |
|   | 422x       | Soil Management                                    | Leidigh    | 10               | MTWF       | A109         |
| <b>Horticulture</b>                               |            |  |            |                  |            |              |
|   | 131x       | Plant Propagation                                  | Howell     | 7-8:30           | TTFS       | P102         |
|   | 131x-a     |  | Howell     | 2-5              | TTS        | A112         |
|   | 322x       | Annuals and Perennials                             | Howell     | 10               | MTWF       | E201         |
| <b>Agricultural Engineering</b>                   |            |  |            |                  |            |              |
|   | 322x       | Farm Shop  | Clay       | 8:30-10          | TT         | P102         |
|   | 322x-a     |  | Clay       | 2-5              | TTS        | Shops        |
|   | 411x       | Soil Management Laboratory                         | Clay       | 2-5              | MWF        | Shops        |
| <b>VOCATIONAL AGRICULTURE EDUCATION</b>           |            |  |            |                  |            |              |
|   | 421x       | Future Farmer Activities                           | Chappelle  | 11:30-1          | MTWF       | P105         |
|   | 422x       | Agricultural Education                             | Chappelle  | 8:30-10<br>11:30 | M-S<br>ThS | P105<br>P105 |

## DIVISION OF ENGINEERING

## FIRST TERM

## ARCHITECTURE AND ALLIED ARTS

|            |  |              |                |          |
|------------|--|--------------|----------------|----------|
| 121x or 2x | Freehand Drawing   | Kleinschmidt | To be arranged |          |
| 123x or 4x | Elements of Composition                                  | Hooper       | 8:30-11:30     | M-S E209 |
| 131x       | Elements of Architecture                                 | Kleinschmidt | To be arranged |          |
| 221x or 2x | Clay Modeling  | Hooper       | 2-6            | M-F E-1  |
| 235x or 6x | Principles of Drawing and Painting, and Theory of Design | Kleinschmidt | To be arranged |          |

|  |  |              |                                   |       |      |
|--|--|--------------|-----------------------------------|-------|------|
| 326x   | Cast Figure Drawing                                | Kleinschmidt | To be arranged                    |       |      |
| 328x   | Pencil Rendering and Sketching                     | Hooper       | To be arranged                    |       |      |
| 329x   | Pen and Ink Rendering                              | Hooper       | To be arranged                    |       |      |
| 3212x  | Building Construction                              | Kleinschmidt | To be arranged                    |       |      |
| 333x   | Methods of Teaching Art in the Elementary Schools  | Hooper       | Lecture to be arranged 8:30-11:30 | M-S   | E209 |
| 334x   | Methods of Teaching Art in the High Schools        | Hooper       | Lecture to be arrg. 8:30-11:30    | M-S   | E209 |
| 426x or 7x   | Oil Painting or Advanced Water Color               | Kleinschmidt | To be arranged                    |       |      |
| <b>CIVIL ENGINEERING</b>   |  |              |                                   |       |      |
| 331x   | Applied Mechanics—Statics                          | Parkhill     | 8:30-10                           | M-S   | E109 |
| 332x   | Applied Mechanics—Kinetics                         | Parkhill     | 10-11:30                          | M-S   | E109 |
| <b>ELECTRICAL ENGINEERING</b>  |  |              |                                   |       |      |
| 233x   | Elements of Radio                                  | Bullen       | 11:30-1                           | M-S   | E152 |
| 412x   | Electrical Engineering Laboratory                  | Bullen       | 2-5                               | MWF   | E152 |
| 438x   | Elements of Electrical Engineering                 | Bullen       | 7-8:30                            | M-S   | E152 |
| <b>INDUSTRIAL ENGINEERING, ENGINEERING DRAWING, AND INDUSTRIAL ENGINEERING</b> |  |              |                                   |       |      |
| <b>Engineering Drawing</b>   |  |              |                                   |       |      |
| 132x   | Engineering Drawing                                | Atkinson     | To be arranged                    |       |      |
| 133x   | Engineering Drawing                                | Atkinson     | To be arranged                    |       |      |
| 221x   | Machine Drawing                                    | Street       | To be arranged                    |       |      |
| 222x   | Descriptive Geometry                               | Street       | To be arranged                    |       |      |
| 223x   | Agricultural Drawing                               | Street       | To be arranged                    |       |      |
| 321x   | Mechanical Drawing for Teachers                    | Street       | To be arranged                    |       |      |
| <b>Industrial Education</b>  |  |              |                                   |       |      |
| 311x   | History and Principles of Vocational Education     | Atkinson     | To be arranged                    |       |      |
| 331x   | Educational and Vocational Guidance in Engineering | Atkinson     | To be arranged                    |       |      |
| <b>MECHANICAL ENGINEERING</b>  |  |              |                                   |       |      |
| 121x   | General Wood Work                                  | Hardgrave    | To be arranged                    | Shops |      |
| 211x   | Sheet Metal Work                                   | Hardgrave    | To be arranged                    | Shops |      |
| 221x   | Engineering Problems                               | Doughtie     | 7:30-8:30                         | MWF   | E253 |
|  |  |              | 2-5                               | TT    | E250 |
| 311x   | Pattern Shop                                       | Hardgrave    | To be arranged                    | Shops |      |
| 312x   | Foundry Practice                                   | Hardgrave    | To be arranged                    | Shops |      |
| 313x   | Machine Shop                                       | Hardgrave    | To be arranged                    | Shops |      |
| 314x   | Machine Shop                                       | Hardgrave    | To be arranged                    | Shops |      |
| 315x   | Heat Treating of Steel                             | Hardgrave    | To be arranged                    | Shops |      |
| 316x   | Welding Practice                                   | Hardgrave    | To be arranged                    | Shops |      |
| 319x   | Advanced Foundry Practice                          | Hardgrave    | To be arranged                    | Shops |      |
| 333x   | Kinematics of Machinery                            | Doughtie     | 7:30-8:30                         | TTS   | E253 |
|  |  |              | 2-5                               | TWT   | E250 |

Additional courses may be offered if sufficient demand exists.

#### TEXTILE ENGINEERING

|      |                                   |         |            |     |      |
|------|-----------------------------------|---------|------------|-----|------|
| 231x | Textile Fibers and Fabrics        | Redding | 11:30-12-5 | MWF | T210 |
| 233x | Hand Weaving from Fiber to Fabric | Redding | 11:30-12-5 | TT  | T210 |
| 311x | Cotton Classing                   | Heard   | 8:30-11:30 | M-S | T205 |
| 325x | Cotton Classing and Marketing     | Heard   | 7:30-11:30 | MWF | T210 |

#### DIVISION OF HOME ECONOMICS

##### FIRST TERM

#### APPLIED ARTS

|      |                |            |           |      |      |
|------|----------------|------------|-----------|------|------|
| 231x | Costume Design | Poindexter | 8:30-10-1 | MWFS | H106 |
|      |                |            |           | TTS  | H106 |

|                                 |  |            |                           |                 |                      |
|---------------------------------|--|------------|---------------------------|-----------------|----------------------|
| 331x                            | Interior Decoration  | Poindexter | 8:30-10<br>7-8:30<br>10-1 | TT<br>FS<br>MWF | H106<br>H106<br>H106 |
| <b>CLOTHING AND TEXTILES</b>    |  |            |                           |                 |                      |
| 132x                            | El. Clothing Construction  | Looney     | 11:30-1<br>10-1           | MW<br>TThFS     | H205<br>H205         |
| 231x                            | Pattern Designing  | Looney     | 8:30-10<br>7-10           | TuS<br>MWThF    | H205<br>H205         |
| <b>FOODS AND NUTRITION</b>      |  |            |                           |                 |                      |
| 231x                            | Dietetics  | Schuck     | 11:30-1<br>7-8:30<br>10-1 | MWF<br>S<br>TTS | H104<br>H104<br>H210 |
| 432x                            | Advanced Nutrition   | Schuck     | 8:30-10<br>8:30-11:30     | TTFS<br>MW      | H208<br>H208         |
| 321x                            | Food Preservation<br>(2nd 3 weeks)   | Dry        | 8:30-10<br>2-5            | MWFS<br>M-F     | H104<br>H108         |
| 322x                            | Demonstration Foods  | Johnson    | 7-8:30<br>8:30-11:30      | TT<br>FS        | H104<br>H210         |
| <b>HOME ECONOMICS EDUCATION</b> |  |            |                           |                 |                      |
| 431x                            | Methods of Teaching Home<br>Economics  | Johnson    | 11:30-1                   | M-S             | H102                 |
| 432x                            | Improvement of Techniques<br>In Home Economics Teaching<br>(1st three weeks) | McKibben   | 8:30-10<br>2-3:30         | M-S<br>M-F      | H104<br>H104         |
| <b>HOME MANAGEMENT</b>          |  |            |                           |                 |                      |
| 421x                            | Nursery School   | Callan     | 7-8<br>9 lab. hours       | MWF             | Nurs. Schl.          |
| 432x                            | Residence Home Management<br>House   | Callan     | To be arrg. H. Mgt. H.    |                 |                      |

## DIVISION OF ARTS AND SCIENCES

## FIRST TERM

## BIOLOGY

## Botany.

|          |                |            |              |
|----------|----------------|------------|--------------|
| *131x-1  | General Botany | Voth       | in the field |
| *131x-a  |                | Voth       | in the field |
| **132x-1 | General Botany | Voth       | in the field |
| **132x-a |                | Voth       | in the field |
| *333x-1  | Plant Ecology  | Studhalter | in the field |
| *333x-a  |                | Studhalter | in the field |
| **334x-1 | Plant Ecology  | Studhalter | in the field |
| **334x-a |                | Studhalter | in the field |

## Zoology

|          |                |        |                          |            |              |
|----------|----------------|--------|--------------------------|------------|--------------|
| *235x-1  | The Human Body | League | 7:30-8:30<br>11:30-12:30 | M-S<br>M-S | C101<br>C101 |
| *235x-a  |                | League | 8:30-11:30               | M-S        | C212         |
| **236x-1 | The Human Body | League | 7:30-8:30<br>11:30-12:30 | M-S<br>M-S | C101<br>C101 |
| **236x-a |                | League | 8:30-11:30               | M-S        | C212         |

## CHEMISTRY

|        |                             |           |                |     |      |
|--------|-----------------------------|-----------|----------------|-----|------|
| 131x-  | General Chemistry           | Slagle    | 10-11:30       | T-S | C-F  |
| 131x-a |                             | Slagle    | 2-5            | MWF | C-A  |
| 341x   | Organic Chemistry           | Schneider | 7-8:30         | M-S | C-F  |
| 341x-a |                             | Schneider | 2-6            | TT  | C103 |
| 343x   | Organic Chemistry           | Goodwin   | 8:30-10        | M-S | C-O  |
| 343x-a |                             | Goodwin   | 2-5            | MWF | C103 |
| 411x   | Seminar Chemistry           | Goodwin   | To be arranged |     |      |
| 412x   | Seminar Chemistry           | Goodwin   | To be arranged |     |      |
| 431x   | Organic Combustion Analysis | Goodwin   | To be arranged |     |      |
| 430x   | Technical Analysis          | Goodwin   | To be arranged |     |      |
| 434x   | Organic Preparations        | Goodwin   | To be arranged |     |      |
| 441x   | Physical Chemistry          | Slagle    | 7-8:30         | T-S | C-O  |
| 441x-a |                             | Schneider | 2-5            | MWF | C112 |

## ECONOMICS AND BUSINESS ADMINISTRATION

## Economics

|      |  |       |          |     |     |
|------|--|-------|----------|-----|-----|
| 231x | Principles of Economics                            | Plank | 7-8:30   | M-S | 320 |
| 233x | Economic Development of Europe                     | Plank | 10-11:30 | M-S | 320 |
| 433x | International Economic Problems<br>& Foreign Trade | Root  | 7-8:30   | T-S | 308 |

## Business Administration

|        |                            |         |          |     |     |
|--------|----------------------------|---------|----------|-----|-----|
| 211x-1 | Elementary Typewriting     | Prim    | 8:30-10  | M-S | 314 |
| 211x-2 | Elementary Typewriting     | Prim    | 10-11:30 | M-S | 314 |
| 234x-1 | Introduction to Accounting | Condray | 11:30-1  | T-S | 314 |
| 330x   | Principles of Finance      | Root    | 10-11:30 | T-S | 308 |
| 334x-1 | Business Law               | Condray | 8:30-10  | T-S | 320 |

\*first three weeks

\*\*second three weeks

## EDUCATION AND PSYCHOLOGY

## Education

|         |  |          |             |      |      |
|---------|--|----------|-------------|------|------|
| 135x-1  | Methods of Teaching Penman-<br>ship in Elementary grades                   | Secrest  | 8:30-10     | M-S  | E252 |
| 135x-2  |  | Secrest  | 2-3:30      | M-S  | E252 |
| 221x-1  | Social Activities in the Primary<br>Grades                                 | Dysart   | 7:30-8:30   | M-S  | 221  |
| 225x    | Materials and Methods in<br>the Social Studies of the Elementary<br>Grades | Shulkey  | 10-11       | M-S  | C-N  |
| 227x-1  | Reading in Elementary<br>Grades  | Dysart   | 10-11       | M-S  | 221  |
| 234x-1  | Principles of Secondary<br>Grades  | Jackson  | 11:30-1     | M-S  | 220  |
| 235x-1  | High School Methods  | Garlin   | 10-11:30    | M-S  | C101 |
| 320x-1  | Principle and His School   | Schulkey | 11:30-12:30 | T-S  | 320  |
| 323x-1  | Observation and Practice<br>Teaching                                       | Jackson  | 10-11       | M-S  | 214  |
| 323x-2  |  | True     | 10-11       | M-S  | C-O  |
| 325x-1  | Junior High School   | Barnett  | 7:30-8:30   | T-S  | C-N  |
| 326x-1  | Vocational Guidance  | Gordon   | 9-10        | T-S  | 208  |
| 327x-1  | Classroom Tests  | Evans    | 8:30-9:30   | T-S  | 220  |
| 3212x-1 | Integration of Activity Program  | True     | 2-3         | T-S  | 308  |
| 424x-1  | Supervision of Instruction   | Garlin   | 7:30-8:30   | T-S  | 220  |
| 425x-1  | Extra-Curricular Activities  | Evans    | 10-11       | T-S  | 220  |
| 426x-1  | The Curriculum   | Jackson  | 2-3         | T-S  | 210  |
| 530x-1  | Research   | Evans    | 3-5         | TWTF | 220  |
| 530x-2  |  | Garlin   | 3-5         | TWTF | 221  |
| 530x-3  |  | Barnett  | 3-5         | TWTF | 219  |

## Psychology

|        |                            |         |             |     |     |
|--------|----------------------------|---------|-------------|-----|-----|
| 230x-1 | Introduction to Psychology | True    | 7-8:30      | M-S | 215 |
| 231x   | Educational Psychology     | Barnett | 10-11:30    | M-S | 216 |
| 323x   | Measurements in Education  | Shulkey | 3-4         | M-F | 216 |
| 423x   | Mental Hygiene             | Dysart  | 11:30-12:30 | T-S | 216 |

## ENGLISH

|        |                                     |            |          |     |      |
|--------|-------------------------------------|------------|----------|-----|------|
| 131x-1 | Freshman Composition                | Teague     | 11:30-1  | M-S | 208  |
| 131x-2 |                                     | Cunningham | 7-8:30   | M-S | E204 |
| 132x-1 | Freshman Composition                | Horn       | 11:30-1  | M-S | 206  |
| 132x-2 |                                     | Smallwood  | 8:30-10  | M-S | 221  |
| 231x-1 | Introduction to Literature          | Doak       | 8:30-10  | M-S | 206  |
| 231x-2 |                                     | Strout     | 7-8:30   | M-S | 209  |
| 232x-1 | Introduction to Literature          | Gates      | 10-11:30 | M-S | 207  |
| 232x-2 |                                     | Horn       | 8:30-10  | M-S | 209  |
| 330x-1 | Chaucer                             | Carter     | 8:30-10  | T-S | 207  |
| 332x-1 | History of English Language         | Carter     | 11:30-1  | T-S | 207  |
| 335x-1 | American Drama                      | Smallwood  | 11:30-1  | T-S | 209  |
| 433x-1 | Shakespeare                         | Gates      | 7-8:30   | T-S | 207  |
| 436x-1 | English Romanticism                 | Strout     | 10-11:30 | T-S | E150 |
| 438x-1 | Nineteenth Century English<br>Prose | Teague     | 8:30-10  | T-S | 216  |
| 530x-1 | Contemporary Short Story            | Cunningham | 10-11:30 | T-S | E204 |

|                                 |  |               |                |     |      |
|---------------------------------|--|---------------|----------------|-----|------|
| <b>Journalism</b>               |  |               |                |     |      |
| 432x-1                          | High School Publications                         | Horne         | 10-11:30       | T-S | 208  |
| <b>FOREIGN LANGUAGES</b>        |  |               |                |     |      |
| <b>French</b>                   |  |               |                |     |      |
| 131x-1                          | Beginning French                                 | Gates         | 10-11:30       | M-S | 323  |
| 231x-1                          | Reading French                                   | Benge         | 10-11:30       | M-S | 219  |
| <b>Latin</b>                    |  |               |                |     |      |
| *131x-1                         | Beginning Latin                                  | Dingus        | 8:30-10        | M-S | 210  |
|                                 |  |               | 11:30-1        | M-S | 210  |
| **132x-1                        | Beginning Latin                                  | Dingus        | 8:30-10        | M-S | 210  |
|                                 |  |               | 11:30-1        | M-S | 210  |
| 133x-1                          | Latin Terminology                                | Dingus        | to be arranged |     |      |
| <b>Spanish</b>                  |  |               |                |     |      |
| 131x-1                          | Beginning Spanish                                | Gates         | 7-8:30         | M-S | 210  |
| 231x-1                          | Grammar, Reading, Composition, and Conversation  | Strehli       | 8:30-10        | M-S | E150 |
| 331x-1                          | Contemporary Literature                          | Qualia        | 7-8:30         | T-S | 323  |
| 436x-1                          | Advanced Grammar                                 | Qualia        | 10-11:30       | T-S | 210  |
| 439x-1                          | Curriculum Production in Modern Foreign Language | Manchester    | 8:30-10        | T-S | 219  |
| 535x-1                          | Survey of Spanish Literature                     | Strehli       | 11:30-1        | T-S | 323  |
| <b>GEOLOGY</b>                  |  |               |                |     |      |
| 363x-1                          | Field Geology                                    | Patton        | in the field   |     |      |
| <b>Geography</b>                |  |               |                |     |      |
| *131x-1                         | Principles of Geography                          | Sidwell       | 7-8            | M-S | C-D  |
|                                 |  |               | 11-12          | M-S | C-D  |
| *131x-a                         |  | Sidwell       | 8-11           | M-S | C205 |
| **132x-1                        | Principles of Geography                          | Sidwell       | 7-8            | M-S | C-D  |
|                                 |  |               | 11-12          | M-S | C-D  |
| **132x-a                        |  | Sidwell       | 8-11           | M-S | C205 |
| <b>GOVERNMENT</b>               |  |               |                |     |      |
| 131x-1                          | American Government                              | Ogdon         | 8:30-10        | M-S | 302  |
| 131x-2                          |  | J. W. Jackson | 11:30-1        | M-S | 302  |
| 132x-1                          | American Government                              | J. W. Jackson | 8:30-10        | M-S | 308  |
| 320x-1                          | American Government                              | Pender        | 11:30-12:30    | M-S | 221  |
| 333x-1                          | American Political Parties                       | W.A. Jackson  | 10-11:30       | T-S | 302  |
| 431x-1                          | American Constitutional Law                      | Ogdon         | 11:30-1        | T-S | 303  |
| 437x-1                          | Political Geography                              | Pender        | 8:30-10        | T-S | E201 |
| <b>HISTORY AND ANTHROPOLOGY</b> |  |               |                |     |      |
| <b>History</b>                  |  |               |                |     |      |
| 131x-1                          | History of Civilization                          | Ralph         | 7-8:30         | M-S | 316  |
| 231x-1                          | Economic and Political History of U. S. to 1829  | McKay         | 8:30-10        | M-S | 214  |
| 333x-1                          | Modern Europe                                    | Eaves         | 8:30-10        | T-S | 316  |
| 336x-1                          | Tudor and Stuart England                         | Ralph         | 10-11:30       | T-S | 316  |
| 535x-1                          | Technique of Research                            | Ford          | to be arranged |     |      |
| 4311x-1                         | Civil War  | McKay         | 7-8:30         | T-S | 214  |
| 4313x-1                         | U. S. since the Civil War                        | Ford          | 11-30-1        | T-S | 214  |
| <b>Anthropology</b>             |  |               |                |     |      |
| 336x-1                          | Mexican Archaeology                              | Holden        | Field course   |     |      |
| 337x-1                          | Mexican Archaeology                              | Holden        | Field course   |     |      |
| *First three weeks              |  |               |                |     |      |
| *Second three weeks             |  |               |                |     |      |
| <b>MATHEMATICS</b>              |  |               |                |     |      |
| 121x-1                          | Algebra  | Heineman      | 9-10           | M-S | E251 |
| 131x-1                          | Plane Trigonometry                               | Langston      | 7-8:30         | M-S | E201 |
| 233x-1                          | Calculus Applications                            | Heineman      | 7-8:30         | M-S | E751 |
| 238x-1                          | Statistics                                       | Langston      | 11:30-1        | M-S | E253 |
| 335x-1                          | Differential Calculus                            | Michie        | 7-8:30         | T-S | 206  |
| 430x-1                          | Finite Differences                               | Michie        | 10-11:30       | T-S | 206  |
| 437x-1                          | Higher Geometry                                  | Heineman      | 11:30-1        | T-S | E251 |
| 534x-1                          | Synthetic Projective Geometry                    | Langston      | 8:30-10        | T-S | E253 |



**MUSIC**

|      |           |       |           |     |     |
|------|-----------|-------|-----------|-----|-----|
| 121x | Solfeggio | Blitz | 7:30-8:30 | M-S | 312 |
| 122x | Solfeggio | Blitz | 8:30-9:30 | M-S | 312 |
| 123x | Harmony   | Blitz | 10-11     | M-S | 312 |

**Band**

|         |                                      |  |  |                |  |
|---------|--------------------------------------|--|--|----------------|--|
| 131x-2x | Band                                 |  |  | to be arranged |  |
| 231x-2x | Band                                 |  |  | to be arranged |  |
| 321x    | Band Conducting and Methods          |  |  | to be arranged |  |
| 331x-2x | Band                                 |  |  | to be arranged |  |
| 421x-2x | Band Conducting and Teaching Methods |  |  | to be arranged |  |
| 431x-2x | Band                                 |  |  | to be arranged |  |

**PHILOSOPHY AND SOCIOLOGY****Philosophy**

|        |                            |      |         |     |     |
|--------|----------------------------|------|---------|-----|-----|
| 233x-1 | Introduction to Philosophy | Bahm | 8:30-10 | M-S | 323 |
|--------|----------------------------|------|---------|-----|-----|

**Sociology**

|        |                   |      |         |     |     |
|--------|-------------------|------|---------|-----|-----|
| 431x-1 | Social Psychology | Bahm | 11:30-1 | T-S | 316 |
|--------|-------------------|------|---------|-----|-----|

**PHYSICAL EDUCATION FOR MEN**

|        |                                 |  |           |     |      |
|--------|---------------------------------|--|-----------|-----|------|
| 113x-1 | Physical Education              |  | 7:30-8:30 | M-S | Gym  |
| 213x-1 | Physical Education              |  | 7:30-8:30 | T-S | Gym  |
| 237x-1 | Technique of Sports             |  | 8:30-10   | M-S | E204 |
| 431x-1 | Theory and Practice of Coaching |  | 11:30-1   | T-S | E204 |

**PHYSICAL EDUCATION BY WOMEN**

|         |  |          |          |      |       |
|---------|--|----------|----------|------|-------|
| 111x    | Fundamentals in Gymnastics               | Baskin   |          |      |       |
|         | and Rhythms                              |          | 8:30-10  | M-Th | Gym   |
| 218x    | Volley Ball                              | Baskin   | 7-8:30   | M-Th | court |
| 2112x-1 | Swimming                                 | Langford | 3-4:30   | M-Th | pool  |
| 2112x-2 | Swimming                                 | Langford | 4:30-6   | M-Th | pool  |
| 230x-1  | Principles of Health Education           | Riegel   | 7-8:30   | M-S  | E150  |
| 233x-1  | Methods in Elementary Physical Education | Riegel   | 10-11:30 | M-S  | Gym   |
| 235x-1  | Technique of Sports                      | Riegel   | 8:30-10  | M-S  | Gym   |

**PHYSICS**

|            |                                |         |                |     |      |
|------------|--------------------------------|---------|----------------|-----|------|
| 131x       | Elements of College Physics    | Mast    | 10-11          | M-S | C116 |
| 131x-a     |                                | Mast    | 2-5            | MWF | C117 |
| 133x       | Freshman Engineering Physics   | Mast    | 10-11          | M-S | C116 |
| 133x-a     |                                | Mast    | 2-5            | MWF | C117 |
| 211x       | Physical Measurements          | Mast    | 3-6            | MWF | C118 |
| 231x       | Sophomore Physics              | George  | 8:30-9:30      | M-S | C116 |
| 231x-a     |                                | George  | 3-6            | MWF | C118 |
| 423x or 4x | Electrical Measurements        | Schmidt | to be arranged |     |      |
| 435x-1     | Introduction to Modern Physics | George  | to be arranged |     |      |

**SPEECH**

|      |                                 |        |          |     |     |
|------|---------------------------------|--------|----------|-----|-----|
| 231x | Technique of Dramatic Art       | Pirtle | 8:30-10  | M-S | 202 |
| 432x | Phonetics and Speech Correction | Pirtle |          |     |     |
|      |                                 | Pirtle | 10-11:30 | T-S | 202 |

**BIBLE**

|      |   |     |          |     |     |
|------|---|-----|----------|-----|-----|
| 234x | The Life of Christ                      | Fry | 7-8:30   | M-S | CAC |
| 335x | The Poetic Section of the Old Testament | Fry | 10-11:30 | T-S | CAC |

## COURSES OF INSTRUCTION SUMMER SESSION, 1936

## DIVISION OF AGRICULTURE

## SECOND TERM

## AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

|        |                                |          |     |      |
|--------|--------------------------------|----------|-----|------|
| 331x   | Statistics                     | 8:30-10  | M-S | C-N  |
| 412x   | Agricultural Economics Seminar | 10-11:30 | MW  | A105 |
| 423x   | Farm Management                | 11:30-1  | TT  | C-O  |
| 423x-a |                                | 2-5      | MWF | C-O  |

## ANIMAL HUSBANDRY

|        |   |            |       |      |
|--------|---|------------|-------|------|
| 331x   | Animal Nutrition and Feeding Principles | Mowery 10  | MTuWf | P102 |
| 331x-a |   | Mowery 2-5 | MWF   | P102 |
| 434x   | Swine Production                        | Mowery     | TTFS  | P102 |
| 434x-a |   | Mowery     | TTS   | P101 |

## DAIRY MANUFACTURES

|        |                                 |            |      |      |
|--------|---------------------------------|------------|------|------|
| 131x   | Principles of Dairy Manufacture | Renner 10  | TTFS | A109 |
| 131x-a |                                 | Renner 2-5 | TTS  | A110 |

## PLANT INDUSTRY

## Agronomy

|        |                                 |                 |      |      |
|--------|---------------------------------|-----------------|------|------|
| 131x   | Fundamentals of crop production | Leidigh 8:30-10 | MTWf | A103 |
| 131x-a |                                 | Leidigh 2-5     | MWF  | A112 |

## DIVISION OF ENGINEERING

## SECOND TERM

## ARCHITECTURE AND ALLIED ARTS

|            |   |                   |                                       |      |
|------------|---|-------------------|---------------------------------------|------|
| 121x or 2x | Freehand Drawing                                  | Houghton          | To be arranged                        |      |
| 123x or 4x | Elements of Composition                           | Hooper            | 8:30-11:30 M-S                        | E209 |
| 133x       | Commercial Lettering                              | Houghton          | to be arranged                        |      |
| 221x or 2x | Clay Modeling                                     | Hooper            | 2-6 M-F                               | E1   |
| 328x       | Pencil Rendering and Sketching                    | Houghton          | to be arranged                        |      |
| 329x       | Pen and Ink Rendering                             | Houghton          | to be arranged                        |      |
| 333x       | Methods of Teaching Art in the Elementary Schools | Hooper            | Lecture to be arranged 8:30-11:30 M-S | E209 |
| 334x       | Methods of Teaching Art the High Schools          | Hooper            | Lecture to be arranged 8:30-11:30 M-S | E209 |
| 426x or 7x | Oil Painting or Advanced Water Color              | Hooper & Houghton | to be arranged                        |      |

## CIVIL ENGINEERING

|      |   |       |              |      |
|------|---|-------|--------------|------|
| 333x | Applied Mechanics—Strength of Materials | Adams | 10-11:30 M-S | E109 |
|------|---|-------|--------------|------|

## ELECTRICAL ENGINEERING

|      |                                      |        |              |      |
|------|--------------------------------------|--------|--------------|------|
| 230x | Principles of Electrical Engineering | Helwig | 10-11:30 M-S | E152 |
| 413x | Electrical Engineering Laboratory    | Helwig | 2-5 MWF      | E152 |
| 439x | Elements of Electrical Engineering   | Helwig | 7-8:30 M-S   | E152 |

## DIVISION OF HOME ECONOMICS

## SECOND TERM

## CLOTHING AND TEXTILES

|      |                       |        |                 |                    |      |
|------|-----------------------|--------|-----------------|--------------------|------|
| 131x | El. Textiles          | Buster | 11:30-1<br>10-1 | MW<br>TTS          | H208 |
| 321x | Children's Clothing   | Buster | 8:30-10<br>7-10 | TTS<br>MWF         | H205 |
| 422x | Household Furnishings | Erwin  | 11:30-1<br>10-1 | TTS<br>MWF Annex B | H104 |
| 431x | Advanced Textiles     | Erwin  | 8:30-10<br>7-10 | MWFS<br>TT Annex B | H104 |

## FOODS AND NUTRITION

|      |               |          |                  |            |              |
|------|---------------|----------|------------------|------------|--------------|
| 232x | Table Service | Weeks    | 10-11:30<br>10-1 | MW<br>TTFS | H104<br>H108 |
| 332x | Marketing     | Craddock | 10-11:30<br>10-1 | TTFS<br>MW | H104<br>H108 |
|      |               |          | 3 lab hrs.       | to be arr. |              |

## DIVISION OF ARTS AND SCIENCES

## SECOND TERM

## BIOLOGY

## Bacteriology

|          |                      |        |                          |            |            |
|----------|----------------------|--------|--------------------------|------------|------------|
| *331x-1  | General Bacteriology | Sealey | 7:30-8:30<br>11:30-12:30 | T-S<br>T-S | C-N<br>C-N |
| *331x-a  |                      | Sealey | 8:30-11:30               | T-S        | C208       |
| **332x   | General Bacteriology | Sealey | 7:30-8:30<br>11:30-12:30 | T-S<br>T-S | C-N<br>C-N |
| **332x-a |                      | Sealey | 8:30-11:30               | T-S        | C208       |

## Zoology

|          |                 |      |                          |            |            |
|----------|-----------------|------|--------------------------|------------|------------|
| *131x-1  | General Zoology | Reed | 7:30-8:30<br>11:30-12:30 | M-S<br>M-S | C-F<br>C-F |
| *131x-a  |                 | Reed | 8:30-11:30               | M-S        | C217       |
| **132x-1 | General Zoology | Reed | 7:30-8:30<br>11:30-12:30 | M-S<br>M-S | C-F<br>C-F |
| **132x-a |                 | Reed | 8:30-11:30               | M-S        | C217       |

## CHEMISTRY

|        |                      |          |          |     |      |
|--------|----------------------|----------|----------|-----|------|
| 132x-1 | General Chemistry    | Craig    | 10-11:30 | T-S | C-F  |
| 132x-a |                      | Marshall | 2-5      | MWF | C-A  |
| 220x-1 | Qualitative Analysis | Marshall | 7-8:30   | MWF | C101 |
| 220x-a |                      | Marshall | 2-6      | TT  | C-E  |
| 242x-1 | Inorganic Chemistry  | Slagle   | 10-11:30 | M-S | C-O  |
| 242x-a |                      | Slagle   | 2-5      | MWF | C103 |
| 344x-1 | Organic Chemistry    | Slagle   | 8:30-10  | T-S | C-O  |
| 344x-a |                      | Slagle   | 2-5      | MWF | C103 |
| 442x-1 | Physical Chemistry   | Craig    | 7-8:30   | T-S | C-O  |
| 442x-a |                      | Craig    | 2-5      | MWF | C112 |

## ECONOMICS AND BUSINESS ADMINISTRATION

## Economics

|        |                         |       |          |     |     |
|--------|-------------------------|-------|----------|-----|-----|
| 232x-1 | Principles of Economics | Plank | 7-8:30   | M-S | 320 |
| 436x   | Economic Theory         | Plank | 10-11:30 | T-S | 320 |

## Business Administration

|        |                            |         |          |     |     |
|--------|----------------------------|---------|----------|-----|-----|
| 221x-1 | Advanced Typewriting       | Jackson | 10-11:30 | M-S | 314 |
| 235x-1 | Introduction to Accounting | Jackson | 11:30-1  | T-S | 314 |
| 331x-1 | Problems in Finance        | Root    | 10-11:30 | T-S | 316 |
| 335x-1 | Business Law               | Root    | 7-8:30   | T-S | 308 |

\*First three weeks

\*\*Second three weeks

## EDUCATION AND PSYCHOLOGY

## Education

|        |                                       |             |           |      |      |
|--------|---------------------------------------|-------------|-----------|------|------|
| 132x-1 | Classroom Management and Methods      | Oberholtzer | 10-11:30  | M-S  | C101 |
| 226x-1 | The Primary Skills                    | Dysart      | 8:30-9:30 | M-S  | 221  |
| 229x-1 | Rural Education                       | Barnett     | 7:30-8:30 | M-S  | 216  |
| 234x-1 | Principles of Secondary Education     | McIntosh    | 7-8:30    | M-S  | 208  |
| 235x-1 | High School Methods                   | Shaver      | 11:30-1   | M-S  | 220  |
| 324x-1 | Basic Principles of Method            | Garlin      | 10-11:30  | T-S  | 221  |
| 329x-1 | Character Education                   | Evans       | 8:30-9:30 | T-S  | 220  |
| 3210x  | Literature in Primary Grades          | Dysart      | 2-3       | M-F  | 216  |
| 421x-1 | Education in U. S.                    | Barnett     | 10-11     | T-S  | C-N  |
| 422x-1 | Public School Administration          | Evans       | 10-11     | T-S  | 220  |
| 423x-1 |                                       | Garlin      | 7:30-8:30 | T-S  | 221  |
| 429x-1 | Techniques of Curriculum Construction | Jackson     | 2-3       | M-F  | 219  |
| 530x-1 | Research                              | Evans       | 3-5       | TWTF | 220  |
| 530x-2 | "                                     | Garlin      | 3-5       | TWTF | 221  |
| 530x-3 | "                                     | Barnett     | 3-5       | TWTF | 219  |

## Psychology

|        |                            |         |             |     |     |
|--------|----------------------------|---------|-------------|-----|-----|
| 230x-1 | Introduction to Psychology | Shaver  | 8:30-10     | M-S | 216 |
| 321x-1 | Child Psychology           | Dysart  | 11:30-12:30 | T-S | 216 |
| 325x-1 | Psychology of Adolescence  | Jackson | 8:30-9:30   | T-S | 206 |
| 421x-1 | Mental Tests               | Jackson | 10-11       | T-S | 216 |

## ENGLISH

|        |                            |        |          |     |     |
|--------|----------------------------|--------|----------|-----|-----|
| 131x-1 | Freshman Composition       | Murphy | 11:30-1  | M-S | 207 |
| 132x-1 | Freshman Composition       | Allen  | 11:30-1  | M-S | 208 |
| 132x-2 |                            | McGee  | 7-8:30   | M-S | 209 |
| 231x-1 | Introduction to Literature | Fowler | 8:30-10  | M-S | 308 |
| 232x-1 | Introduction to Literature | Mills  | 8:30-10  | M-S | 209 |
| 337x-1 | Grammar for Speech         | Fowler | 7-8:30   | M-S | 207 |
| 3314x  | Biblical Literature        | McGee  | 8:30-10  | M-S | 208 |
| 439x-1 | Contemporary Drama         | Murphy | 8:30-10  | M-S | 207 |
| 460x   | Literary Tour of Europe    | Strout |          |     |     |
| 531x   | American Novel             | Mills  | 11:30-1  | M-S | 209 |
| 532x   | English Novel              | Allen  | 10-11:30 | M-S | 209 |

## FOREIGN LANGUAGES

## French

|        |                            |           |          |     |     |
|--------|----------------------------|-----------|----------|-----|-----|
| 132x-1 | Beginning Course in French | Benge     | 10-11:30 | M-S | 219 |
| 232x-1 | Reading Course in French   | Henninger | 10-11:30 | M-S | 219 |

## Spanish

|        |  |           |         |     |     |
|--------|--|-----------|---------|-----|-----|
| 132x-1 | Beginning Spanish                              | Henninger | 7-8:30  | M-S | 210 |
| 232x-1 | Grammar, Reading, Composition and Conversation | Strehli   | 8:30-10 | M-S | 219 |
| 332x-1 | Contemporary Literature                        | Benge     | 7-8:30  | T-S | 210 |
| 536x-1 | Survey of Spanish Literature                   | Strehli   | 11:30-1 | T-S | 323 |

## GEOLOGY

|          |                         |         |                |     |      |
|----------|-------------------------|---------|----------------|-----|------|
| 535x-1   | Work in Specific Fields | Patton  | to be arranged |     |      |
| *131x-1  | General Geology         | Sidwell | 7-8            | M-S | C-D  |
|          |                         |         | 11-12          | M-S | C-D  |
| *131x-a  |                         | Sidwell | 8-11           | M-S | C205 |
| **132x-1 | General Geology         | Sidwell | 7-8            | M-S | C-D  |
|          |                         |         | 11-12          | M-S | C-D  |
| **132x-a |                         | Sidwell | 8-11           | M-S | C205 |

## GOVERNMENT

|        |                     |               |             |     |     |
|--------|---------------------|---------------|-------------|-----|-----|
| 131x-1 | American Government | J. W. Jackson | 10-11:30    | M-S | 302 |
| 132x-1 | American Government | Ogdon         | 8:30-10     | M-S | 302 |
| 320x-1 | American Government | Pender        | 11:30-12:30 | M-S | 302 |
| 331x-1 | Local Government    | J. W. Jackson | 7-8:30      | T-S | 302 |

\*First three weeks

\*\*Second three weeks

|        |                             |               |          |     |     |
|--------|-----------------------------|---------------|----------|-----|-----|
| 334x-1 | American Political Parties  | W. A. Jackson | 10-11:30 | T-S | 308 |
| 432x-1 | American Constitutional Law | Ogdon         | 11:30-1  | T-S | 308 |
| 438x-1 | World Politics              | Pender        | 8:30-10  | T-S | 323 |

## HISTORY AND ANTHROPOLOGY

|         |   |       |         |     |     |
|---------|---|-------|---------|-----|-----|
| 132x-1  | History of Civilization                 | Ford  | 7-8:30  | M-S | 316 |
| 232x-1  | Economic and Political History of U. S. | McKay | 8:30-10 | M-S | 214 |
| 330x-1  | Teaching History                        | Eaves | 11:30-1 | T-S | 316 |
| 334x-1  | Modern Europe                           | Eaves | 8:30-10 | T-S | 316 |
| 4312x   | Civil War                               | McKay | 7-8:30  | T-S | 214 |
| 4314x-1 | U. S. Since Civil War                   | Ford  | 8:30-10 | T-S | 214 |

## MATHEMATICS

|        |                              |              |          |     |      |
|--------|------------------------------|--------------|----------|-----|------|
| 122x   | Algebra                      | Christianson | 9-10     | M-S | E251 |
| 130x   | Algebra                      | Christianson | 11:30-1  | M-S | E251 |
| 132x   | Analytic Geometry            | Christianson | 7-8:30   | M-S | E251 |
| 336x-1 | Integral Calculus            | Michie       | 7-8:30   | T-S | 206  |
| 535x   | Analytic Projective Geometry | Michie       | 10-11:30 | T-S | 206  |

## MUSIC

|      |                 |       |          |     |     |
|------|-----------------|-------|----------|-----|-----|
| 337x | Music Education | Blitz | 7-8:30   | T-S | 312 |
| 338x | Music Education | Blitz | 10-11:30 | T-S | 312 |

## PHYSICAL EDUCATION FOR MEN

|      |                                 |  |           |     |       |
|------|---------------------------------|--|-----------|-----|-------|
| 114x | Physical Education              |  | 7:30-8:30 | M-S | Field |
| 214x | Physical Education              |  | 7:30-8:30 | M-S | Field |
| 238x | Technique of Sports             |  | 8:30-10   | M-S | E204  |
| 432x | Theory and practice of coaching |  | 11:30-1   | T-S | E204  |

## PHYSICAL EDUCATION FOR WOMEN

|       |  |          |          |      |        |
|-------|--|----------|----------|------|--------|
| 112x  | Stunts, Games, and Sports                | Baskin   | 7-8:30   | M-Th | Gym    |
| 212x  | Tennis                                   | Baskin   | 8:30-10  | M-Th | courts |
| 2112x | Swimming                                 | Langford | 3-4:30   | M-Th | pool   |
| 2112x | Swimming                                 | Langford | 4:30-6   | M-Th | pool   |
| 233x  | Methods in Elementary Physical Education | Langford | 10-11:30 | M-S  | Gym    |
| 236x  | Technique of Sports                      | Langford | 8:30-10  | M-S  | Gym    |
| 338x  | Teaching of Physical Activities          | Baskin   | 11:30-1  | T-S  | Gym    |

## PHYSICS

|        |                                |        |                |     |      |
|--------|--------------------------------|--------|----------------|-----|------|
| 132x   | Elements of College Physics    | Mast   | 10-11          | M-S | C116 |
| 132x-a |                                | Mast   | 2-5            | MWF | C117 |
| 134x   | Freshman Engineering Physics   | Mast   | 10-11          | M-S | C116 |
| 134x-a |                                | Mast   | 2-5            | MWF | C117 |
| 212x   | Physical Measurements          | Mast   | 3-6            | MWF | C118 |
| 232x   | Sophomore Physics              | Abbitt | 8:30-9:30      | M-S | C116 |
| 232x-a |                                | Abbitt | 3-6            | MWF | C118 |
| 436x   | Introduction of Modern Physics | Abbitt | to be arranged |     |      |

## SPEECH

|      |                          |           |          |     |     |
|------|--------------------------|-----------|----------|-----|-----|
| 131x | Fundamentals of Speech   | Pendleton | 8:30-10  | M-S | 202 |
| 235x | Argumentation and Debate | Pendleton | 10-11:30 | M-S | 202 |