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AGRICULTURAL AND MECHANICAL
COLLEGE OF TEXAS

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THE SUMMER SESSION NUMBER
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FIRST TERM—June 10-July 20

SECOND TERM—July 22-August 31

Open to Men and Women



COLLEGE STATION, TEXAS

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GENERAL STATEMENT

The Summer Session program of the Texas Agricultural and Mechanical College offers work in practically all the different fields of learning included in the regular college year. The general purpose is to thus extend the activities of the resident teaching division of the College throughout the entire calendar year. The large variety of courses provides instruction for regular students in the various Schools, and for those engaged during the winter months in teaching, an opportunity to pursue work for college credit and for further professional improvement. Courses for both graduates and undergraduates are offered by practically all departments of the College. Men and women are admitted to summer session courses.

CALENDAR — 1940

COLLEGE DIVISION

- June 10 Monday 8 a. m. to 5 p. m., Registration for the first term.
- June 11 Tuesday 7:30 a. m., Classes begin.
- June 13 Thursday. Last day for registration in the College Division for credit during the first term.
- July 4 Independence Day.
- July 19-20 Friday, Saturday. First term examinations.
- July 22 Monday. 8 a. m. to 12 noon, Registration for the second term.
- July 22 Monday. 1 p. m. to 5 p. m., Classes begin.
- July 25 Thursday. Last day for registration in the College Division for credit during the second term.
- August 30-31 Friday, Saturday. Second term examinations.
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NON-COLLEGE DIVISION

- June 10 to July 20—The Summer Cotton School.
- June 17-21 Cotton Seed Oil Millers' Short Course.
- June 24-27 Conference of County Superintendents and Rural School Supervisors.
- June 24-27 Texas School Administrators Conference.
- July 8-13 Farmer's Short Course.
- July 28 to Aug. 2. Firemen's Training School.
- August 18-24 Annual Coaching School.

EXECUTIVE COMMITTEE OF THE SUMMER SESSION

T. O. Walton, LL.D., President of the College

C. H. Winkler, Ph.D., Director of the Summer Session.

F. C. Bolton, M.S., LL.D., Vice President and Dean of the College.

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Craig, J. N., Cotton Marketing.
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Dana, B. R., M.S., Instructor in Animal Husbandry.
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 Davis, W. B., Ph.D., Professor of Fish and Game.
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 Fortenberry, C. N., Ph.D., Instructor in History.
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 Houston. Education.
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 Golden, H. E., Ph.D., Assistant Professor of Agricultural Economics.
 Goldich, S. S., Ph.D., Assistant Professor of Geology.
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 Gunter, P. G., A.M., Associate Professor of English.
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 Harter, E. L., M.A., Assistant Professor of Chemistry.
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 Hurt, J. T., Ph.D., Assistant Professor of Mathematics.
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 Jaggi, F. P., Jr., D.V.M., Professor of Veterinary Hygiene.
 Jennings, W., Ph.D., Instructor in Mathematics.

- Jensen, F. W., Ph.D., Professor of Chemistry.
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Keim, S. T., B.A., Assistant in Economics.
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Leland, T. W., C.P.A., Professor of Accounting and Statistics.
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Agricultural Economics.
Luther, H.A., Ph.D., Assistant Professor of Mathematics.
Martin, H. C., B.S., Assistant in Economics.
McCulley, W. S., M.S., Instructor in Mathematics.
McDonald, A. P., B.S., Instructor in Engineering Drawing.
McGinnis, N. M., B.S., Professor of Landscape Art.
McNew, J. T. L., C.E., Professor of Highway Engineering.
Melass, V. H., Ph.D., Instructor in Animal Husbandry.
Middleton, E. B., Ph.D., Associate Professor of Chemistry.
Milliff, J. H., D.V.M., Assistant Professor of Veterinary Pathology and
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Molyneaux, J. L., M.A., Assistant Professor of Rural Sociology.
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Nelson, A. B., Ph.D., Instructor in History.
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Owens, W. A., M.A., Instructor in English.
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Parnell, E. D., M.S., Associate Professor of Poultry Husbandry.
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Penberthy, W. L., B.S., Professor of Physical Education.
Porter, W. L., M.S., Professor of Mathematics.
Potter, G. E., Ph.D., Professor of Zoology.
Potts, R. C., B.S., Assistant Professor of Agronomy.
Powell, F. W., M.A., Instructor in English.
Powers, J. G., Assistant Professor of Cotton Marketing.

- Reid, D. H., M. S., Professor of Poultry Husbandry.
 Robbins, E. T., M.S., Superintendent of Taylor Public Schools. Education.
 Rode, N. F., E.E., Professor of Electrical Engineering.
 Ross, H., M.S., Professor of Agricultural Education.
 Russell, Dan, A.M., Professor of Rural Sociology.
 Samuelson, G. J., Ph.D., Associate Professor of Chemistry.
 Sandstedt, C. E., M.S., Professor of Civil Engineering.
 Schesselman, G. W., Ph.D., Professor of Agricultural Economics.
 Schuessler, N. G., M.S., Associate Professor of Animal Husbandry.
 Silvey, O. W., Ph. D., Professor of Physics.
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 Smith, F. M., Ph.D., Assistant Professor of Chemistry.
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 Spangler, H. M., D.V.M., Assistant Professor of Veterinary Medicine and Surgery.
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 Stephens, G. D., M.A., Instructor in English.
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 Stubbs, S. M., B.S., Assistant Professor of Accounting and Statistics.
 Sugareff, V. K., A.M., Professor of History.
 Summey, Geo., Jr., Ph.D., Professor of English.
 Sweet, R. B., Pastor, College Christian Church. Religion.
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 Temple, W. B., M.A., Instructor in Mathematics.
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 Thompson, T. B., B.S., Assistant Professor of Architecture.
 Thurmond, M. F., M.S., Associate Professor of Agricultural Engineering.
 Trotter, I. P., Ph.D., Professor of Agronomy.
 Turner, F. E., Ph.D., Associate Professor of Geology.
 Vance, H., B.S., Professor of Petroleum Engineering.
 Van Volkenburg, H. L., M.S., Professor of Veterinary Parasitology.
 Vendley, W. F., M.A., Instructor in Agricultural Economics.
 Vezey, E. E., M.S., Professor of Physics.
 Von Roeder, R. J., B.S., Assistant Professor of Animal Husbandry.
 Ward, R. P., M.S., Associate Professor of Electrical Engineering.
 Watson, M. W., Assistant in Mechanical Engineering.
 Weinke, O. A., M.S., Associate Professor of Accounting and Statistics.
 Wilcox, G. B., A.M., Professor of Education.
 Williams, D. W., M.S., Professor of Animal Husbandry.
 Williams, E. L., M.S., Professor of Industrial Education.
 Winkler, C. H., Ph.D., Professor of Psychology, Director of the Summer Session.
 Woolket, J. J., M.A., Professor of Modern Languages.
 Wright, H. E., B.S., Instructor in Horticulture.

ORGANIZATION

1. The College division. In addition to the six and twelve weeks course of the College division and the Graduate School, the Summer Session provides a number of short unit courses extending over a period of two or three weeks to meet the needs of adults (teachers and other professionals) who can not leave their jobs for a longer period of time. Field and tour courses are available to advanced students in Architecture, Geology Petroleum Engineering and Fish and Game Conservation.
2. The Non-College division, includes:
 - a. The Summer Cotton School.
 - b. The Texas School Administration Conference and the Conference of County and Rural School Supervisors.
 - c. A number of Short Courses, as: The Farmers' Short Course; The Firemens' Training School; The Short Course for Oil Mill Operators; and the Annual Coaching School.

ADMISSION

All communications in regard to admission should be addressed to the Registrar, Agricultural and Mechanical College of Texas, College Station, Texas.

In the College Division courses will be offered subject to the same general admission requirements as in the regular session. (See general catalogue).

There are no specific academic requirements for admission to the general Short Courses and the Summer Cotton School.

All undergraduate courses in the Summer School are open to men and women.

BOARD AND ROOM

Excellent room accommodations are provided for Summer Session students in the College dormitories. Walton Hall will be used by women students and married students.

Fourteen two-story cottages designed especially for "project groups" will be available for the summer session students. These houses of eight rooms with thirty-two beds are very suitable for groups who may desire to live together on a co-operative plan. Occupants of dormitory rooms and the project

houses must provide their own linen, pillows, and towels. Dormitory rooms will not be ready for summer session students before four o'clock Sunday afternoon, June 9.

The city of Bryan, adjoining the College Campus, affords splendid facilities for those students desiring room and board in private homes. Teachers, graduate students, and others who desire to bring their families, may secure a furnished house or rooms for light housekeeping at reasonable rates during the summer months.

Meals may be had on the campus in the College Dining Hall, at the coffee shop, dining room, or terrace of the Aggie-land Inn, and at the confectionery in the Y. M. C. A. Building.

The College Dining Hall is available for full time boarders. The meals are served family style and the rate is as follows:

For six weeks students, each term.....\$30.00
 For two weeks students, each period.....\$12.50

Single meals, forty cents (40¢) each. Coupon books may be purchased at Sbisá Hall (old Mess Hall).

EQUIPMENT

The entire educational facilities of the College are available for students of the Summer Session. Buildings are well lighted and equipped with modern shops and laboratories. The College farms and greenhouses are conveniently located and form an important part of the instructional facilities for students in agriculture.

The general library will be open during the Summer Session on week days from 8 a. m. to 10 p. m.

The College Book Store on the campus carries a complete line of text books, reference books, stationery and general supplies needed by students. Used books and general college students' supplies are also sold at the local Co-op store.

RECREATION AND ENTERTAINMENT

As in previous summers the College will provide a variety of interesting lectures and entertainment at no extra cost to the students. In addition to these special lectures, students are invited to participate in the "forums", the sessions of the general short courses, and Educational Conferences. Speakers of national prominence in the fields of education, rural life, and

farm economics appear on the programs of these special groups.

Good health demands that a considerable amount of play and recreation be combined with the student's work. The College tennis courts, swimming pool, and the bowling alley in the Y. M. C. A. building are conveniently located for students interested in this form of recreation. The soft ball league schedules one or more contests daily throughout the Summer Session. Students interested in golf may obtain a special summer rate at the Country Club midway between Bryan and College.

SPECIAL WORK IN GUIDANCE

The summer school of 1940 will offer students in the several fields of education unusual opportunity for the study of educational and vocational guidance and counseling.

Mr. Creighton E. Hays, of Denver, Colorado, has been secured as a visiting professor for the first term of the summer school and will offer two three-credit-hour courses in this field. These will be in addition to the usual offerings by the regular staff.

As Supervisor of the Occupational Adjustment Service, maintained cooperatively by the Denver Public Schools, the Colorado State Employment Service, and the National Youth Administration, Mr. Hays heads one of the outstanding programs of the sort in the United States. Prior to the launching of the present cooperative program, Mr. Hays was for several years Director of the Employment Service of the Denver Public Schools, whose "opportunity school" was a pioneer venture in this direction.

In one course, Mr. Hays will deal with occupational information, its sources, and interpretation, in the other, techniques of guidance and counseling.

In addition to this, the Texas School Administration Conference will, in its meeting, June 24-27, devote three hour-and-a-half sessions to panel type discussions of guidance under the leadership of Royce E. Brewster, Specialist in Occupational Information and Guidance Service, United States Office of Education.

GRADUATE STUDY AND ADVANCED DEGREES

An increasing number of teachers and others engaged in professional and technical work is turning to the Summer

Session for graduate study. In recognition of the demand for special and advanced studies by this in-service group the College is enlarging its summer program of graduate work. Approximately forty per cent of the courses offered this summer are exclusively for the student who has already earned the baccalaureate degree. If interested in work leading to either the Master's degree or the Doctor of Philosophy degree, write for The Graduate School Bulletin.

Effective September 1, 1939, all work accepted in fulfillment of the requirements for the Master of Science degree must have been completed within a period of six years prior to the award of the degree.

IMPORTANT CHANGES OF HOURS AND REQUIREMENTS

The following modifications in graduate school regulations and in requirements for the master's degree, as they operate in the case of summer school students, have been adopted by the Faculty of the Agricultural and Mechanical College of Texas, and are now in effect:

1. That six instead of eight credit hours be considered the normal load for a graduate student in any six-weeks summer term.
2. That a graduate student who, as a graduate student, in the term next preceding made a grade point ratio of 2.25 be allowed to register for seven credit hours.
3. That credit, not to exceed a total of eight semester hours, be allowed on a thesis done out of residence, if properly registered for, credit to be entered when the thesis is approved.
4. That students be allowed to complete residence requirements for the M.S. degree in four six-weeks summer terms, provided an acceptable thesis is done out of residence.
5. That graduate students majoring in Agricultural Education, Education, or Industrial Education may, on recommendation of the head of their major department, become candidates for the Master of Education degree. The requirements for this degree shall be the completion of thirty-two hours of course work, done in residence in not less than five six-weeks summer terms, and a satisfactory comprehensive final examination. The preparation of a thesis embodying original research will not be required for this degree.

Except as noted above, the requirements for the Master of Education degree are identical with those for the Master of Science degree.

Students who have begun work for the Master of Science degree and desire to work for the Master of Education degree must file request for permission to make the change. The additional requirements must, in each case, be determined individually.

EXPENSES

For students in the College and in the Cotton Summer School:

Matriculation fee, per term.....	\$15.00
Medical Service fee, per term.....	2.00
Room rent per term of six weeks (including janitor service)	8.50

HOW TO REGISTER

All Summer Session students will register in the New Administration Building.

1. Obtain registration and assignment cards from the registration desk in the lobby.
2. Pay all fees at Cashier's office.
3. See Head of Department about courses you wish to take.
4. Report to the Dean of the School in which your major work is being done for approval of your course of study.
5. Report to the Commandant.
6. Return your assignment card to the Registrar, Room 118. This completes your registration.

GRADUATE STUDENTS

All former students will follow the above procedure in registering. New students entering the graduate school should obtain registration cards from the Dean of The Graduate School, Room 206.

THE COLLEGE

June 10 to August 31)

All courses in this division carry college credit and are open only to those who have had the prerequisite training. The work will be given in two terms of six weeks each.

The maximum number of hours that an undergraduate student may take in a six weeks term is six semester hours ex-

cept in the case of students making a superior record during the regular session. With the consent of the student's Dean these students may take seven semester hours.

All rules of the regular session apply to the Summer Session in the matter of prerequisites, grades, examinations and class absences.

Only in special cases will registration for work in the College Division be permitted after the fourth day of each term.

A late registration fee of \$2.00 will be required of students who do not complete their registration during the hours set aside for this purpose the first day of each term.

The College reserves the right to withdraw any course or section designated primarily for freshmen and sophomores in which the enrollment is less than ten students and any junior or senior course with an enrollment less than six students.

COURSES OF INSTRUCTION BY DEPARTMENTS

For a description of the courses listed below, see the general College catalogue. This catalogue may be obtained from the Registrar. Figures in parenthesis indicate recitation hours per week. Figures in brackets indicate value of courses in semester hours.

Recitations begin at 7:30. The forenoon is divided into four class periods, as follows:

- First period from 7:30 to 8:45.
- Second period from 8:50 to 10:05.
- Third period from 10:10 to 11:25.
- Fourth period from 11:30 to 12:20.

FIRST TERM

(June 10 to July 20)

ACCOUNTING AND STATISTICS

First Term

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|------|--|--------|-----|
| 201. | Principles of Accounting.
Daily 11:30; MWF 1:30-5:30. | (6-12) | [4] |
| 202. | Principles of Accounting.
MTThF 7:30; MWF 1:30-5:30. | (6-12) | [4] |
| 310. | Personal Budgeting.
Daily 11:30. | (6-0) | [2] |

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|------|---|-------|-----|
| 409. | Survey of Accounting Principles.
Prerequisite: Junior Standing.
Daily 8:50. | (9-0) | [3] |
| 416. | Oil Production Accounting.
Daily 11:30; MThF 1:30-4:30. | (6-9) | [3] |
| 506. | Advanced Problems.
(Hours to be arranged). | (6-9) | [3] |

Second Term

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|------|---|-------|-----|
| 202. | Principles of Accounting.
Daily 7:30; MWF 1:30-4:30. | (9-9) | [4] |
| 303. | Statistical Method.
Daily 8:50; MTThF 10:05-12:20. | (9-9) | [4] |
| 505. | Advanced Problems.
Daily 11:30; MWF 1:30. | (6-9) | [3] |
| 510. | Statistical Research in Social Sciences.
(Hours to be arranged). | (9-0) | [3] |

AGRICULTURAL ECONOMICS**First Term**

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|------|--|--------|-----|
| 307. | Advertising.
Daily 10:10. | (9-0) | [3] |
| 310. | Credit and Collections.
Prerequisite: Economics 311.
Daily 8:50. | (9-0) | [3] |
| 312. | Agricultural Economics.
Daily 8:50. | (9-0) | [3] |
| 314. | Marketing.
Daily 10:10. | (9-0) | [3] |
| 421. | Principles of Farm and Ranch
Management.
Prerequisite: Twenty hours of credit in Technical
agriculture.
Daily 7:30; TTh 1:30-4:30. | (9-6) | [4] |
| 423. | Conservation of Natural Resources.
Prerequisite: Agricultural Economics 312 or
Economics 203 and 204, or 403.
Daily 10:10. | (9-0) | [3] |
| 430. | Farm Credit.
Prerequisite: Economics 311.
Daily 10:10. | (9-0) | [3] |
| 501. | Advanced Marketing Problems.
(Hours to be arranged). | (12-0) | [4] |
| 503. | Land Problems.
(Hours to be arranged). | (12-0) | [4] |
| 571. | Research Methods and Problems.
(Hours to be arranged). | (6-18) | [4] |

Second Term

305.	Agriculture and Commerce of South America. Daily 8:50.	(9-0)	[3]
312.	Agricultural Economics. Daily 7:30.	(9-0)	[3]
425.	Wholesale and Retail Merchandising. Prerequisite: Economics 203 and 204, of 403. Daily 7:30.	(9-0)	[3]
426.	Sales Organization. Prerequisite: Economics 203 and 204, or 403. Daily 10:10.	(9-0)	[3]
514.	Contemporary Problems in Agricultural Economics. (Hours to be arranged).	(12-0)	[4]
516.	Agricultural Geography. (Hours to be arranged).	(12-0)	[4]
572.	Research Methods and Problems. (Hours to be arranged).	(6-18)	[4]

AGRICULTURAL EDUCATION**First Term**

5§1.	Advanced Methods in Agricultural Education. Daily 7:30.	(9-0)	[3]
505.	Supervised Practice. Daily 10:10.	(9-0)	[3]
508.	Promotional Activities in Vocational Agriculture. MTThF 7:30.	(6-0)	[2]
509.	Part-Time Classes. MTThF 8:50.	(6-0)	[2]
511.	Evening School Problems. Daily 11:30.	(6-0)	[2]
515.	Philosophy of Agricultural Education. MTThF 8:50.	(6-0)	[2]
516.	Program Building in Agricultural Education. Daily 11:30.	(6-0)	[2]

Second Term

410.	Methods in Adult Agricultural Education. Daily 11:30.	(6-0)	[2]
501.	Advanced Methods in Agricultural Education. Daily 7:30.	(9-0)	[3]

514. Research and Thesis Problems. (6-0) [2]
 (Hours to be arranged).

AGRICULTURAL ENGINEERING

First Term

305. Terracing and Drainage. (6-9) [3]
 Daily 11:30; MWF 1:30-4:30.
321. Farm Shop. (3-9) [2]
 MWTh 8:50-11:25; F 1:30-5:30.
511. Advanced Farm Shop. (9-9) [4]
 MTWTh 1:30-5:30; F 1:30-3:00.
513. Advanced Soil Erosion Engineering. (9-9) [4]
 (Hours to be arranged).
517. Advanced Soil Conservation. (9-9) [4]
 (Hours to be arranged).

Second Term

201. Farm Machinery. (6-6) [3]
 MTThF 10:10; TTh 1:30-4:30.
424. Terracing. (3-9) [2]
 MWF 11:30 and 1:30-4:30.
503. Advanced Farm Machinery. (9-9) [4]
 (Hours to be arranged).
509. Advanced Farm Power. (6-18) [4]
 (Hours to be arranged).

AGRONOMY

First Term

105. Fundamentals of Crop Production. (9-6) [4]
 Daily 7:30; TTh 1:30-4:30.
301. Soils. (9-6) [4]
 Prerequisite: Chemistry 101, 102.
314. Cereal Crops. (9-6) [4]
 Prerequisite: Agronomy 105, Biology 101.
 Daily 10:10; MW 1:30-4:30.
315. Cotton Production. (6-6) [3]
 Prerequisite: Agronomy 105, Biology 101.
 Daily 11:30; WF 1:30-4:30.
413. Soil and Crop Problems. (9-0) [3]
 Prerequisite: Agronomy 105, 301.
 Daily 10:10.
417. Range and Pasture Improvement and
 Maintenance. (10 student minimum) (6-0) [2]
 Prerequisite: Junior Standing.
 MTThF 8:50.

418. Soil Conservation. (9-9) [4]
Prerequisite: Agronomy 301.
Daily 7:30; MWF 1:30-4:30.
505. Advanced Soils. (9-0) [3]
(Hours to be arranged).
507. Advanced Cotton Production. (9-12) [4]
(Hours to be arranged).
509. Research Problems. Credit 1 to 4 each term.
(Hours to be arranged).
511. Special Problems. Credit 1 to 3 each term.
(Hours to be arranged).

Second Term

105. Fundamentals of Crop Production. (9-6) [4]
Daily 8:50; TTh 1:30-4:30.
301. Soils. (9-6) [4]
Prerequisite: Chemistry 101, 102.
Daily 7:30; TTh 1:30-4:30.
308. Forage Crops. (6-6) [3]
Prerequisite: Agronomy 105, Biology 101.
MTThF 7:30; TTh 1:30-4:30.
318. Agrostology. (3-12) [2]
Prerequisite: Agronomy 105, Biology
101 and Junior Classification.
MWF 11:30 and 1:30-5:30.
413. Soil and Crop Problems. (9-0) [3]
Prerequisite: Agronomy 105, 301.
Daily 10:10.
417. Range and Pasture Improvement and
Maintenance. (10 student minimum) (6-0) [2]
Prerequisite: Junior standing.
Daily 11:30.

ANIMAL HUSBANDRY**First Term**

107. General Animal Husbandry. (6-12) [3]
Daily 11:30; MWF 1:30-5:30.
202. The Breeds of Farm Animals. (6-6) [3]
Prerequisite: Animal Husbandry 107.
M88hF 7:30; TTh 1:30-4:30.
303. Animal Nutrition. (9-9) [4]
Prerequisite: Chemistry 212, 214.
Daily 8:50; MWF 1:30-4:30.
403. Advanced Judging. (0-18) [2]
Prerequisite: Animal Husbandry 202.
Daily 1:30-5:10.

416.	Live Stock Management. Prerequisite: Animal Husbandry 409. Daily 10:10; MW 1:30-4:30.	(9-6)	[4]
505a.	Advanced Beef Cattle Production. (Hours to be arranged).	(9-9)	[4]
505c.	Advanced Swine Production. (Hours to be arranged).	(9-9)	[4]
505d.	Advanced Horse Production. (Hours to be arranged).	(9-9)	[4]
511.	Advanced Animal Nutrition. Daily 7:30.	(9-0)	[3]
512.	Advanced Animal Nutrition. (Hours to be arranged).	(0-9)	[1]
575.	Research in Animal Nutrition. (Hours to be arranged).	(9-12)	[4]

Second Term

409.	Animal Nutrition and Live Stock Feeding. Daily 7:30; MWF 1:30-4:30.	(9-9)	[4]
424.	Range Livestock Production. Prerequisite: Animal Husbandry 303 or 409. Daily 10:10.	(9-0)	[3]
506a.	Advanced Beef Cattle Production. (Hours to be arranged).	e(9-9)	[4]
506c.	Advanced Swine Production. (Hours to be arranged).	(9-9)	[4]

ARCHITECTURE

First Term

109.	Freehand Drawing. (Hours to be arranged).	(0-12)	[1]
111.	Architectural Graphics. Daily 11:30; MWF 1:30-4:30.	(6-9)	[3]
205.	Freehand Drawing. (Hours to be arranged).	(0-12)	[1]

First Term

(The following four courses are offered. Write Head of Department for descriptive circular.)

418s.	Fine Arts of Mexico.	Credit 3 hours.
419s.	Decorative Architectural Details.	Credit 3 hours.

BIOLOGY

First Term

101.	General Botany of Seed Plants. Daily 10:10; MTThF 1:30-4:30.	(9-12)	[4]
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206. Introductory Bacteriology. (6-12) [3]
Prerequisite: Biology 101 or 211-212.
MTThF 8:50; and 1:30-4:30.
111. General Biology. (6-12) [3]
(Summer School students needing credit in general biology should take Biology 101. Substitution permitted. Extra credit allowed as free elective).
505. Advanced Bacteriology. (6-18) [4]
Daily 11:30 (Additional hours to be arranged).
518. Animal Parasitology. (6-18) [4]
(Hours to be arranged).
521. Research. Credit 1-4 each term.
(Hours to be arranged).

Second Term

107. Animal Biology. (6-12) [3]
MTThF 8:50 and 1:30-4:30.
522. Research. Credit 1 to 4 hours.
(Hours to be arranged).

CHEMISTRY AND CHEMICAL ENGINEERING

101. General Inorganic Chemistry. (9-9) [4]
Sec. 1 Daily 7:30; MW 1:30-5:30.
Sec. 2 MTThF 7:30; WS 8:50; MW 1:30-5:30.
102. General Inorganic Chemistry. (9-9) [4]
Prerequisite: Chemistry 101.
MTThF 7:30; WS 10:10; MW 1:30-5:30.
103. General Inorganic Chemistry. (9-12) [4]
MTThF 7:30; WS 8:50; MW 1:30-5:30.
206. Organic Chemistry. (9-6) [4]
Prerequisite: Chemistry 102.
Daily 10:10; MW 1:30-4:30.
207. Quantitative Analysis. (6-9) [3]
Prerequisite: Chemistry 102.
MTThF 8:50; MW 1:30-5:30.
MTThF 7:30; TTh 1:30-5:30.
212. Agricultural Chemistry. (9-0) [3]
Prerequisite: Chemistry 102.
Daily 7:30.
214. Agricultural Analysis. (3-9) [2]
Prerequisite: Chemistry 102.
TThS 8:50; MW 1:30-5:30.
216. Elementary Quantitative Analysis. (6-24) [5]
Prerequisite: Chemistry 205.
Daily 11:30; (Laboratory hours to be arranged).

Second Term

102. General Inorganic Chemistry. (9-9) [4]
Prerequisite: Chemistry 101.
Sec. 1 Daily 7:30; MW 1:30-5:30.
Sec. 2 MW 7:30; TThFS 8:50; MW 1:30-5:30.
104. General Inorganic Chemistry. (9-12) [4]
MW 7:30; TThFS 10:10; MW 1:30-5:30.
- 400s. Industrial Analysis. Credit 4 hours.
Prerequisite: Chemistry 216.
Daily 7:30 and 1:30-5:30.

CIVIL ENGINEERING

First Term

- 300s. Surveying Practice. [4]
Prerequisite: Civil Engineering 201.
Daily, except S, 8:50-5:30.
- 535, 536. City Street Pavements. (6-0) Credit 2 each term.
(Hours to be arranged).
524. Research. Credit 2 to 6.
(Hours to be arranged).

Second Term

201. Plane Surveying. (9-12) [4]
Prerequisite: Mathematics 103.
Daily 10:10; MWF 1:30-5:30.
305. Mechanics of Materials. (12-0) [4]
Prerequisite: Mathematics 204; Mechanical
Engineering 212 or equivalent.
Daily 8:50; W 1:30-3:30.
311. Hydraulics. (9-0) [3]
Prerequisite: Mechanical Engineering 212 or
equivalent.
Daily 10:10.
542. Research. Credit 2 to 6 hours.
(Hours to be arranged).

COTTON MARKETING

First Term

- 107 and 108. Cotton Classing. (6-15) Credit 4 hours each term.
(Hours to be arranged).

DAIRY HUSBANDRY

First Term

420. Dairy Management. (9-6) [4]
Prerequisite: Dairy Husbandry 202, Animal
Husbandry 303 or 409, and Genetics 301.
Daily 8:50; MW 1:30-4:30.

501. Advanced Dairy Production. (6-18) [4]
Daily 11:30; (Additional hours to be arranged).

Second Term

202. Dairying. (6-12) [3]
Daily 11:30; TTh 1:30-4:30.
508. Research in Dairy Manufacture. (6-18) [4]
(Hours to be arranged).

ECONOMICS

First Term

203. Principles of Economics. (9-0) [3]
Daily 10:10.
311. Money and Banking. (9-0) [3]
Prerequisite: Economics 203, 204, or 403.
Daily 8:50.
315. Economics of Insurance. (9-0) [3]
Prerequisite: Economics 203, 204, or 403.
Daily 7:30.
316. Business Law. (9-0) [3]
Prerequisite: Sophomore standing.
Daily 8:50.
317. Business Law. (9-0) [3]
Prerequisite: Economics 316.
Or
426. Real Estate Titles and Conveyances. (9-0) [3]
Prerequisite: Economics 316 or 403.
Daily 10:10.
318. Labor Problems. (9-0) [3]
Prerequisite: Economics 203, 204, or 403.
Daily 10:10.
403. Principles of Economics. (9-0) [3]
Daily (1) 8:50, (2) 10:10.
416. Public Utility Economics. (9-0) [3]
Prerequisite: Economics 203, 204, or 403.
Daily 7:30.
501. History of Economic Doctrines. (12-0) [4]
Or
507. Comparative Economic Theory. (12-0) [4]
(Hours to be arranged).

Second Term

204. Principles of Economics. (9-0) [3]
Daily 10:10.
316. Business Law. (9-0) [3]
Prerequisite: Sophomore standing.
Daily 10:10.

403. Principles of Economics.
Daily (1) 7:30. (2) 10:10.
408. Corporation Finance. (9-0) [3]
Prerequisite: Economics 403 or its equivalent.
Daily 8:50.
420. Principles of Investment. (9-0) [3]
Prerequisite: Economics 403 or its equivalent.
Daily 10:10.
501. History of Economic Doctrines. (12-0) [4]
(Hours to be arranged).
506. Labor Problems. (12-0) [4]
(Hours to be arranged).

EDUCATION**First Term**

121. An Introduction to Education. (9-0) [3]
Daily 7:30.
321. Secondary School Methods. (9-0) [3]
Daily 8:50.
426. Tests and Measurements. (9-0) [3]
Prerequisite: Junior or Senior standing.
Daily 7:30.
507. Programs and Procedures in Supervision. (6-0) [2]
(Hours to be arranged).
508. Administration of Local School Finance. (6-0) [2]
Daily 11:30.
511. The Newer Techniques in Teaching. (12-0) [4]
Daily 10:10; (Additional hours to be arranged).
512. Interpreting the Schools to the Public. (6-0) [2]
MTThF 8:50.
- 5—. Guidance. (9-0) [3]
Daily 7:30.

Second Term

321. Secondary School Methods. (9-0) [3]
Daily 7:30.
322. Secondary School Administration. (9-0) [3]
Daily 10:10.
514. State School Finance. (6-0) [2]
MTThF 8:50.
515. State School Administration. (6-0) [2]
MTThF 7:30.
516. Administration of Teacher-Personnel. (6-0) [2]
Daily 11:30.

ELECTRICAL ENGINEERING**First Term**

208. Direct Current Machinery. (9-18) [5]
 Prerequisite: Electrical Engineering 201,
 Mathematics 102, 104.
 Daily 7:30. (Practice Hours to be arranged).
- 501 or 502. Advanced Alternating Currents. (6-18) Credit
 4 each term.
 (Hours to be arranged).
517. Research in Electrical Engineering. Credit 2 to 6 hours.
 (Hours to be arranged).

Second Term

305. Electrical Machinery. (9-9) [4]
 Prerequisite: Physics 204, Mathematics 204.
 Daily 7:30; TTh 1:00-5:30.
431. Engineering Administration. (6-0) [2]
 Prerequisite: Senior Classification.
 MTThF 8:50.
510. Advanced Communication Engineering—
 Radio. (9-9) [4]
 Or
516. Acoustic Devices in Sound Reproducing
 Systems. (9-9) [4]
 (Hours to be arranged).
518. Research in Electrical Engineering. Credit 2 to 6 hours
 (Hours to be arranged).

ENGINEERING DRAWING**First Term**

111. Mechanical Drawing. (0-18) [2]
 Daily, Except S, 1:30-5:00.
112. Mechanical Drawing. (0-12) [1]
 Prerequisite: Engineering Drawing 111.
 MTThF 1:30-4:30.
124. Descriptive Geometry. (6-6) [3]
 MTThF 8:50; MW 1:30-4:30.

Second Term

111. Mechanical Drawing. (0-18) [2]
 Daily, except S, 1:30-5:00.
112. Mechanical Drawing. (0-12) [1]
 Prerequisite: Engineering Drawing 111.
 MTThF 1:30-4:30.

ENGLISH

First Term

103. Rhetoric and Composition. (9-0) [3]
Daily (1) 8:50. (2) 10:10. (3) 7:30.
203. Composition and Literature. (6-0) [2]
Prerequisite: English 103, 104.
MTThF (1) 8:50. (2) 7:30. (3) 10:10. (4) 10:10.
231. English Literature. (9-0) [3]
Prerequisite: English 103, 104.
Daily 10:10.
401. Public Speaking. (0-6) [1]
Prerequisite: English 203, 210, or 231, 232.
(1) Daily 11:30. (2) Daily, Except S, 8:50. (3) Daily 11:30.
413. Contemporary Literature. (6-0) [2]
Prerequisite: English 231, 232, or 203, 210.
MTThF 7:30.

Second Term

104. Rhetoric and Composition. (9-0) [3]
Daily (1) 8:50. (2) 7:30. (3) 10:10. (4) 8:50.
210. Writing and Discussion. (6-0) [2]
Prerequisite: English 103, 104.
MTThF (1) 7:30. (2) 10:10. (3) 8:50. (4) 7:30.
232. English Literature. (9-0) [3]
Prerequisite: English 103, 104.
Daily 10:10.
401. Public Speaking. (0-6) [1]
Prerequisite: English 203, 210, or 231, 232.
(1) Daily 11:30. (2) Daily, except S, 8:50.
414. Contemporary Literature. (6-0) [2]
Prerequisite: English 231, 232, or 203, 210.
MTThF 7:30.

ENTOMOLOGY

First Term

201. General Entomology. (6-6) [3]
Daily 11:30; TTh 1:30-4:30.
508. Economic Entomology. (9-9) [4]
Or
511. Research Entomology. (9-9) [4]
(Hours to be arranged).

FISH AND GAME**First Term**

- 400s. Practical Fish Culture. Credit 6 hours.
Prerequisite: Approval of the instructor.
A field course.
- 573s. Research on Wildlife Problems. Credit 2 to 6 hours.
(Hours to be arranged).

Second Term

- 300s. Field Studies. Credit 7 hours.
A field course.
- 574s. Research on Wildlife Problems. Credit 2 to 6 hours.
(Hours to be arranged).

GENETICS**First Term**

301. Genetics. (9-6) [4]
Prerequisite: Biology 101 or Biology 207.
Daily 7:30; TTh 1:30-4:30.

Second Term

405. Survey of Eugenics. (9-0) [3]
Daily 10:10.
505. Advanced Biometry. (9-12) [4]
Or
515. Advanced Animal Genetics. (9-0) [3]
(Hours to be arranged).
517. Laboratory Methods in Animal Genetics. (0-12) [1]
(Hours to be arranged).

GEOLOGY**First Term**

201. General Geology. (9-0) [3]
Prerequisite: Chemistry 101, or Equivalent.
Daily 8:50.
205. Elementary Geology. (6-6) [3]
Or
423. Survey of Earth Science. (6-9) [3]
Prerequisite: Approval of head of department.
Daily 11:30; MWF 1:30-4:30.
- 300s. Field Geology. Credit 7 hours.
Prerequisite: Geology 210 or 302 and
approval of head of Department.
509. Advanced Field Geology. Credit 2 to 6 hours.

Second Term

- 300s. Field Geology. Credit 7 hours.
Prerequisite: Geology 210 or 302, and approval of head of department.
- 400s. Field Geology. Credit 7 hours.
Prerequisite: Geology 300s. and approval of head of Department.
510. Advanced Field Geology. Credit 2 to 6 hours.

HISTORY**First Term**

105. History of the United States. (9-0) [3]
Daily 8:50.
306. American Government. (9-0) [3]
Daily (1) 7:30. (2) 10:10. (3) 10:10.
315. The United States from Roosevelt to Roosevelt, 1901-1936. (9-0) [3]
Daily 10:10.
318. Industrial Development Since 1918. (9-0) [3]
Daily 7:30.

Second Term

106. History of the United States. (9-0) [3]
Daily 10:10.
306. American Government. (9-0) [3]
Daily (1) 7:30. (2) 8:50. (3) 10:10.
316. The Institutional Background of Texas, 1519-1845. (9-0) [3]
Daily 10:10.
422. International Developments in the Gulf-Carribean Area, 1840-1940. (9-0) [3]
Daily 7:30.

HORTICULTURE**First Term**

318. Principles of Fruit Production. (6-9) [3]
Prerequisite: Horticulture 201.
MTThF 7:30; MWF 1:30-4:30.
501. Advanced Fruit Growing. (9-9) [4]
(Hours to be arranged).
504. Advanced Vegetable Gardening. (9-9) [4]
(Hours to be arranged).

Second Term

317. Principles of Fruit Production. (6-9) [3]
Prerequisite: Horticulture 201.
MTThF 7:30; MWF 1:30-4:30.

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|------|--|-------|-----|
| 502. | Advanced Fruit Growing.
(Hours to be arranged). | (9-9) | [4] |
| 503. | Advanced Vegetable Gardening.
(Hours to be arranged). | (9-9) | [4] |

INDUSTRIAL EDUCATION

First Term

- | | | | |
|-------|---|-----------------|-----|
| 507a. | Organization of Industrial Arts De-
partments.
Daily 11:30. | (6-0) | [2] |
| 510. | Methods of Teaching High School
Drawing.
MTThF 8:50. (Additional hours to be arranged). | (6-12) | [3] |
| 515. | Research in Industrial Education.
(Hours to be arranged). | Credit 2 hours. | |
| 520c. | Cabinet Making.
(Hours to be arranged). | (0-15) | [2] |
| 522. | Philosophy of Industrial Arts Education.
MTThF 7:30. | (6-0) | [2] |

Second Term

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|-------|--|-----------------|-----|
| 514. | Guidance Seminar.
MTThF 7:30. | (6-0) | [2] |
| 518. | Tests and Measurements in Industrial
Education.
Daily 11:30. | (6-0) | [2] |
| Or | | | |
| 508. | Administration and Supervision in
Industrial Education.
Daily 8:50; (Additional hours to be arranged). | (12-0) | [4] |
| 515. | Research in Industrial Education.
(Hours to be arranged). | Credit 2 hours. | |
| 520b. | Electricity.
(Hours to be arranged). | (3-12) | [2] |
| 520d. | Machine Shop.
(Hours to be arranged). | (0-15) | [2] |

LANDSCAPE ART

First Term

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|------|--|--------|-----|
| 301. | An Introduction to Landscape Art.
Prerequisite: Horticulture 201.
Daily 7:30; MWF 1:30-4:30. | (9-12) | [4] |
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MATHEMATICS

First Term

101.	Algebra. Daily 10:10.	(9-0)	[3]
102.	Algebra. Daily (1) 10:10. (2) 7:30.	(9-0)	[3]
103.	Plane Trigonometry. Daily 7:30.	(9-0)	[3]
104.	Analytics. Prerequisite: Mathematics 101 and 103. Daily (1) 8:50 and MWF 11:30. (2) 7:30 and TThS 11:30.	(12-0)	[4]
203.	Calculus. Prerequisite: Mathematics 104. Daily (1) 7:30 and MWF 11:30. (2) 8:50 and TThS 11:30.	(12-0)	[4]
204.	Calculus. Prerequisite: Mathematics 104. Daily (1) 8:50 and MWF 11:30. (2) 10:10 and TThS 11:30.	(12-0)	[4]
409.	Advanced Calculus. (Hours to be arranged).	(12-0)	[4]
507.	Theory of Functions of a Real Variable.	(12-0)	[4]
	Or		
517.	Theory of Functions of a Complex Variable. (Hours to be arranged).	(12-0)	[4]

Second Term

101.	Algebra. Daily 7:30.	(9-0)	[3]
102.	Algebra. Daily 10:10.	(9-0)	[3]
103.	Plane Trigonometry. Daily 7:30.	(9-0)	[3]
104.	Analytics. Prerequisite: Mathematics 101, 103, or 111. Daily (1) 8:50 and MWF 11:30; (2) 7:30 and TThS 11:30.	(12-0)	[4]
203.	Calculus. Prerequisite: Mathematics 204. Daily 7:30 and 11:30.	(12-0)	[4]
204.	Calculus. Prerequisite: Mathematics 203. Daily (1) 8:50 and 11:30. (2) 7:30 and 11:30. (3) 10:10 and 11:30.	(12-0)	[4]
305.	Differential Equations. Prerequisite: Mathematics 204. Daily 11:30.	(6-0)	[2]
410.	Advanced Calculus. (Hours to be arranged).	(12-0)	[4]

511. Ordinary Differential Equations. (12-0) [4]
(Hours to be arranged).

MECHANICAL ENGINEERING

First Term

102. Engineering Problems. (3-6) [2]
TThS 11:30; TTh 1:30-4:30.
201. Welding and Foundry. (0-9) [1]
TTh 1:15-5:45.
212. Engineering Mechanics. (9-0) [3]
Prerequisite: Mechanical Engineering 102.
Mathematics 204.
Daily 10:10.
309. Machine Shop. (0-9) [1]
MW 7:30 and 1:30-5:30.
310. Machine Shop. (0-9) [1]
TTh 7:30 and 1:30-5:30.
507. or 508. Experimental Engineering
Research. (3-24) Credit 4 hours each term.
(Hours to be arranged).

Second Term

102. Engineering Problems. (3-6) [2]
TTh 8:50 and 1:30-4:30.
212. Engineering Mechanics. (9-0) [3]
Prerequisite: Mechanical Engineering 102.
Must be preceded or accompanied by
Mathematics 204.
Daily 10:10.
309. Machine Shop. (0-9) [1]
MW 8:50 and 1:30-5:30.
310. Machine Shop. (0-9) [1]
TTh 8:50 and 1:30-5:30.
313. Engineering Mechanics. (9-0) [3]
Daily 7:30.
320. Thermodynamics. (15-0) [5]
Prerequisite: Mathematics 204, Physics 204.
Daily 7:30 and 11:30.
338. Kinematics and Machine Design. (6-9) [3]
Must be preceded or accompanied by
Civil Engineering 305.
Daily 11:30; MWF 1:30-4:30.
403. Engineering Laboratory. (3-9) [2]
Prerequisite: Mechanical Engineering 320 or 323.
MW 10:10; MWF 1:30-4:30.

404. Engineering Laboratory. (3-9) [2]
Prerequisite: Mechanical Engineering 320 or 323.
TTh 10:10; TTh 1:15-5:45.
436. Advanced Heating, Ventilating and Air
Conditioning. (12-0) [4]
Prerequisite: Mechanical Engineering
320 or its equivalent.
Daily 8:50; MWF 11:30.
508. Experimental Engineering Research. (3-24) [4]
(Hours to be arranged).

MODERN LANGUAGES**First Term**

101. Beginning French. (9-0) [3]
Daily 8:50.
105. Beginning Spanish. (9-0) [3]
Or
201. Intermediate French. (9-0) [3]
Daily 7:30.

Second Term

102. Beginning French. (9-0) [3]
Daily 8:50.
106. Beginning Spanish. (9-0) [3]
Or
202. Intermediate French. (9-0) [3]
Daily 7:30.

MUNICIPAL AND SANITARY ENGINEERING**Second Term**

406. Sanitation and Public Health. (9-0) [3]
Prerequisite: Junior classification.
Daily 7:30.
408. Municipal Administration. (9-0) [3]
Prerequisite: Junior classification.
Daily 10:10.

PETROLEUM ENGINEERING**Second Term**

419. Summer Tour.

PHYSICAL EDUCATION**First Term**

207. Health Education. (9-0) [3]
Prerequisite: Sophomore standing and
approval of instructor.
Daily 7:30.

405. Public School Activities. (6-6) [3]
 Must be preceded or accompanied by
 Physical Education 313.
 Daily 8:50.

Second Term

314. Organization and Administration of Health
 and Physical Education. (9-0) [3]
 Prerequisite: Physical Education 313.
 Daily 8:50.
406. Methods of Physical Education. (6-6) [3]
 Prerequisite: Physical Education 405.
 Daily 11:30; MW 1:30-4:30.

PHYSICS

First Term

201. College Physics. (9-6) [4]
 Daily 7:30; TThF 1:30-3:30.
203. General Physics. (12-9) [5]
 Prerequisite: Mathematics 102, 104.
 Daily 8:50; MWF 11:30 and 1:30-4:30.

Second Term

202. College Physics. (9-6) [4]
 Daily 7:30; TThF 1:30-3:30.
204. General Physics. (12-9) [5]
 Prerequisite: Mathematics 102, 104.
 Daily 10:10; MWF 11:30 and 1:30-4:30.

POULTRY HUSBANDRY

First Term

201. Poultry Production. (6-6) [3]
 Daily 11:30; TTh 1:30-4:30.
- 412s. Special Short Course on Poultry Hus-
 bandry. (24-0) [4]
 (This special 3 weeks course is not open for credit to poultry
 majors.)
501. or 502. Research Problems. (9-12) [4]
 (Hours to be arranged).
503. or 504. Advanced Incubation and Brood-
 ing. (9-12) [4]
 (Hours to be arranged).

Second Term

401. Culling and Management. (9-6) [4]
 Prerequisite: Poultry Husbandry 201.
 Daily 8:50; TTh 1:30-4:30.

501. or 502. Research Problems. (9-12) [4]
 (Hours to be arranged).
 503. or 504. Advanced Incubation and Brood-
 ing. (9-12) [4]
 (Hours to be arranged).

PSYCHOLOGY

First Term

301. Educational Psychology. (9-0) [3]
 Daily 8:50.

RELIGIOUS EDUCATION

First Term

301. The Life of Christ. (9-0) [3]
 Daily 8:50.
 302. Growth of the Early Church and De-
 velopment of Christian Doctrine
 After the Death of Christ. (9-0) [3]
 Daily 7:30.
 305. Old Testament Character Studies. (3-0) [1]
 MWF 10:10.
 306. New Testament Character Studies. (3-0) [1]
 MWTh 8:50.

RURAL SOCIOLOGY

First Term

312. General Sociology. (9-0) [3]
 Daily 7:30.
 415. Agricultural Journalism. (6-6) [3]
 MTThF 8:50; TTh 1:30-4:30.
 416. Agricultural Journalism. (6-6) [3]
 Daily 11:30; WF 1:30-4:30.
 511. History of Modern Social Thought. (12-0) [4]
 Daily 10:10. (Additional hours to be arranged).

Second Term

201. Introduction to Social Problems. (9-0) [3]
 Daily 8:50.
 315. Family Relations. (9-0) [3]
 Daily 7:30.
 407. Rural Sociology. (6-6) [3]
 Daily 11:30; TTh 1:30-4:30.
 501. Advanced Rural Sociology. (12-0) [4]
 Daily 10:10; (Additional hours to be arranged).

VETERINARY ANATOMY**First Term**

111. Anatomy of the Domestic Animals. (9-18) [5]
Prerequisite: Biology 201 or equivalent.
Daily 7:30. (Practice hours to be arranged).
213. Veterinary Histology. (6-18) [4]
Prerequisite: Veterinary Anatomy or
taken concurrently.

Second Term

112. Anatomy of the Domestic Animals. (6-18) [4]
Prerequisite: Veterinary Anatomy 111.
Daily 7:30. (Practice hours to be arranged).

VETERINARY HYGIENE**First Term**

493. Infectious Diseases. (9-0) [3]
Prerequisite: Veterinary Medicine 352;
Veterinary Surgery 362; Veterinary
Pathology 342, 343; Veterinary Phar-
macology 334.
Daily 7:30.

VETERINARY MEDICINE AND SURGERY**First Term**

351. Veterinary Medicine. (9-0) [3]
Prerequisite: Veterinary Pharmacology 333
and Veterinary Clinic 371 or taken concurrently.
Daily 10:10.
361. General Surgery. (9-0) [3]
Prerequisite: Veterinary Pharmacology
333; Veterinary Medicine 351; Veterinary
Clinic 371 or taken concurrently.
Daily 7:30.
371. Clinics. (0-18) [2]
Prerequisite: Veterinary Medicine 351;
Veterinary Surgery 361 or taken concurrently.
(Hours to be arranged).
471. Clinics. (0-18) [2]
Prerequisite: Veterinary Medicine 352;
Veterinary Surgery 362; Veterinary Clinic 372.
(Hours to be arranged).

Second Term

352. **Veterinary Medicine.** (9-0) [3]
 Prerequisite: Veterinary Medicine 351;
 Veterinary Clinic 372; and Veterinary Phar-
 macology 334 or taken concurrently; Vet-
 erinary Pathology 341.
 Daily 10:10.
362. **General Surgery.** (9-0) [3]
 Prerequisite: Veterinary Surgery 361;
 Veterinary Pathology 341.
 Daily 7:30.
372. **Clinics.** (0-36) [4]
 Prerequisite: Veterinary Clinic 371; Veterin-
 ary Medicine 352, and Veterinary Parasitology
 481 or taken concurrently.
 (Hours to be arranged).
472. **Clinics.** (0-18) [2]
 Prerequisite: Veterinary Clinic 471; Veterinary
 Pathology 441; Veterinary Hygiene 493;
 Veterinary Parasitology 481.
 (Hours to be arranged).

VETERINARY PARASITOLOGY**First Term**

481. **Parasites of Domestic Animals.** (6-9) [3]
 Prerequisite: Veterinary Pathology 342;
 and Veterinary Pharmacology 334.
 (Hours to be arranged).

VETERINARY PATHOLOGY**First Term**

242. **General Pathology.** (9-12) [4]
 Prerequisite: Veterinary Anatomy 213.
 Daily 8:50; TTh 1:30-4:30.

Second Term

341. **Special Pathology.** (3-12) [2]
 Prerequisite: Veterinary Pathology 242.
 MWF 11:30 and 1:30-5:30.

VETERINARY PHYSIOLOGY AND PHARMACOLOGY**First Term**

121. **Veterinary Physiology.** (6-0) [2]
 Prerequisite: Chemistry 101, 102.
 Daily 11:30.

221. Veterinary Physiology. (9-18) [5]
 Prerequisite: Veterinary Physiology 122;
 Chemistry 206; Veterinary Anatomy 112;
 Veterinary Anatomy 211 and 213 or taken
 concurrently.
333. Veterinary Pharmacology. (9-9) [4]
 Prerequisite: Veterinary Physiology 222;
 Veterinary Pathology 242.
 Daily 8:50; MWF 1:30-4:30.

Second Term

122. Veterinary Physiology. (6-9) [3]
 Prerequisite: Veterinary Physiology 121; Vet-
 erinary Anatomy 111; Veterinary Anatomy
 112 or taken concurrently; Chemistry 206.
 MTThF 10:10; TTh 1:30-6:00.
222. Veterinary Physiology. (9-18) [5]
 Prerequisite: Veterinary Physiology 221;
 Veterinary Anatomy 211, 213.
334. Veterinary Pharmacology. (9-9) [4]
 Prerequisite: Veterinary Physiology 222;
 Veterinary Pathology 242.
 Daily 7:30; MWF 1:30-4:30.

THE SUMMER COTTON SCHOOL

(June 10 to July 20)

For announcement giving complete details relative to the work of this division, write Professor J. B. Bagley, College Station, Texas.

SHORT COURSES, NON-COLLEGE DIVISION

For special announcement and full descriptive circular, write the person designated.

The Cotton Seed Oil Millers Short Course. June 17-21.
Write Dr. C. C. Hedges.

The Annual Conference of County Superintendents and Rural School Supervisors. June 24-27.
Write Professor W. L. Hughes.

Texas School Administration Conference. June 24-27.
Write Dean T. D. Brooks.

Farmers' Short Course, July 8-13.
Write H. H. Williamson, Director of Extension Service.

The Firemen's Training School (Eleventh Session). July 22-26.

Write Dr. C. C. Hedges.

Annual Coaching School. August 18-24.
Write Coach Homer H. Norton.

