

BULLETIN
OF THE
AGRICULTURAL AND MECHANICAL
COLLEGE OF TEXAS

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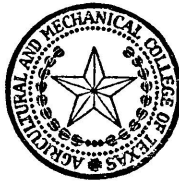
No. 3

THE SUMMER SESSION NUMBER
JUNE 8--AUGUST 28, 1937

FIRST TERM—June 8-July 17

SECOND TERM—July 19-August 28.

Open to Men and Women



COLLEGE STATION, TEXAS

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GENERAL STATEMENT

The general purpose of the Summer Session is to extend the activities of the teaching division of the College throughout the year and thereby provide instruction for regular students in the various Schools, and for those engaged during the winter in teaching, an opportunity to pursue courses 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 — 1937

COLLEGE DIVISION

- June 8—Tuesday, 8 a. m. to 12 noon, Registration for the first term.
- June 8—Tuesday, 1 to 5 p. m., Classes begin.
- June 8 to 26, inclusive.—Short Course for Vocational Teachers.
- June 11—Friday. Last day on which students may register for credit.
- June 28 to July 17, inclusive.—Short Course for Vocational Teachers and for County Superintendents.
- July 4—Independence Day.
- July 16-17—Friday, Saturday. First term examinations.
- July 19—Monday. 8 a. m. to 12 noon, Registration for the second term.
- July 19—Monday. 1 to 5 p. m. Classes begin.
- July 22—Thursday. Last day on which students may register for credit.
- August 27-28—Friday, Saturday. Second term examinations.
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NON-COLLEGE DIVISION

- June 14-19—Short Course for Cotton Oil Mill Operators.
- June 8 to July 17—The Summer Cotton School.
- June 13-16—Texas School Administration Conference.
- July 12-16—Conference of County Superintendents and Rural School Supervisors.
- July 19-23—Firemen's Training School, Eighth Session.
- July — - — —Twenty-eighth Farmers' Short Course.
- August 16-21—Annual Coaching School.

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WILLIAMS, E. L., M.S., *Professor of Industrial Education.*
WINKLER, C. H., Ph.D., *Professor of Psychology; Director of Summer Session.*
WOOLKET, J. J., M.A., *Professor of Modern Languages.*

ORGANIZATION

The work of the 1937 Summer Session embraces the following major divisions:

1. The College division, including the Graduate School, the three weeks' course for Teachers of Vocational Agriculture and for County Superintendents, and the Special Course in Soil Conservation.
2. The Non-College division, including:
 - 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

In the College Division courses will be offered subject to the same general admission requirements as in the regular session. (See general catalogue, pp. 60).

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 newest of the College dormitories. Walton Hall will be used by women students and married students. Students living in dormitories must provide their own linen, pillows, and towels.

The city of Bryan, just a few miles from the 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 Mess Hall, at the coffee shop, dining room, or terrace of the Aggie Land Inn, and at Casey's Confectionery in the Y. M. C. A. Building. Two meals per day (noon and evening) will be served in the

College Dining Hall. A meal card (14 meals) can be purchased for \$4.20.

A number of Cafes, Confectioneries, and drug stores just off the campus provide meals, sandwiches, and light lunches.

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.

RECREATION AND ENTERTAINMENT

The summer session will feature 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, and the weekly "smoker" in the Y. M. C. A. 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.

EXPENSES

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

Matriculation fee, per term	\$10.00
Medical Service fee, per term	2.00
Room rent per term of six weeks	5.00

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. Report to the Fiscal Department, Room 100, and pay all fees.
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, Room 126, for assignment to room in dormitories.
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 8 to August 28)

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 except 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 matters 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 College catalogue for the regular session. This catalogue may be obtained from the Registrar. Figures in parenthesis indicate recitation hours per week. Figures in brackets indicate value of course 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 8 to July 17)

ACCOUNTING AND STATISTICS

- | | | | |
|------|---|-------|-----|
| 201. | Principles of accounting.
Daily 8:50; MTThF 10:05-12:20. | (9-9) | [4] |
| 202. | Principles of Accounting.
Daily 7:30; MWF 1:30-4:30. | (9-9) | [4] |
| 301. | Theory and Practice of Accounting:
Daily 10:10. (Additional hours to be arranged). | (9-9) | [4] |

AGRICULTURAL ECONOMICS

- | | | | |
|------|---|--------|-----|
| 312. | Agricultural Economics.
Daily 8:50. | (9-0) | [3] |
| 429. | Economic Policy for Agriculture.
Prerequisite: Economics 403, or equivalent.
Daily 11:30. | (6-0) | [2] |
| 430. | Farm Credit.
Prerequisite: Economics 311.
Daily 10:10. | (9-0) | [3] |
| 514. | Contemporary Problems in Agricultural Economics.
(Hours to be arranged). | (12-0) | [4] |

AGRICULTURAL EDUCATION

501. Advanced Methods in Agricultural Education. (12-0) [4]
Daily 7:30; (Additional hours to be arranged).
505. Supervised Practice. (12-0) [4]
Daily 10:10; (Additional hours to be arranged).
507. Future Farmer Activities. (6-0) [2]
MTThF 8:50.
508. Promotional Activities in Vocational Agriculture. (6-0) [2]
MTThF 7:30.
509. Part-time Classes. (6-0) [2]
MTThF 8:50.
511. Evening School Problems. (6-0) [2]
Daily 11:30.
512. Agricultural Outlook Material. (6-0) [2]
Daily 11:30.
513. Administration and Supervision of Agricultural Education. (6-0) [2]
MTThF 10:10.
514. Research and Thesis Problems. (6-0) [2]
(Hours to be arranged).

AGRICULTURAL ENGINEERING

321. Farm Shop. (3-9) [2]
TThS 11:30; MWF 1:30-4:30.
424. Terracing. (3-9) [2]
MWF 11:30; TThS 1:30-4:30.
- 511M. Advanced Farm Shop. (9-9) [2] ✓
Daily 7:30; (Practice hours to be arranged).

AGRONOMY

301. Soils. (9-6) [4]
Prerequisite: Chemistry 101, 102.
Daily 8:30; MW 1:30-4:30.
315. Cotton Production. (6-6) [3]
Daily 11:30; TTh 1:30-4:30.
501. Advanced Farm Crops. (9-12) [4]
(Hours to be arranged).

ANIMAL HUSBANDRY

107. General Animal Husbandry. (6-12) [3]
Daily 11:30; MWF 1:30 to 5:30.

202. The Breeds of Farm Animals. (6-6) [3]
 Prerequisite: Animal Husbandry 107.
 MTThF 7:30; TTh 1:30-4:30.
- 501 or 502. Advanced Animal Nutrition. (9-9) [4]
 Daily 11:30; (Practice hours to be arranged).
505. Advanced Livestock Production
 (Wool and Mohair). (9-9) [4]
 (Hours to be arranged).

ARCHITECTURE

101. Architectural Drawing. (0-12) [1]
 (Hours to be arranged).
109. Freehand Drawing. (0-12) [1]
 (Hours to be arranged).
201. Architectural Design. (0-30) [3]
 Prerequisite: Architecture 102.
 (Hours to be arranged).
205. Freehand Drawing. (0-12) [1]
 Prerequisite: Architecture 110.
 (Hours to be arranged).

BIOLOGY

101. General Botany. (9-12) [4]
 Daily 10:10; MTThF 1:30-4:30.
207. General Zoology. (6-12) [3]
 MTThF 7:30 and 1:30-4:30.
503. Advanced Vertebrate Zoology. (6-18) [4]
 (Hours to be arranged).

CHEMISTRY

- 101.-103. General Inorganic Chemistry. (9-9) [4]
 Sec. 1 Daily 7:30; MW 1:30-5:30.
 Sec. 2 MW 7:30; TThFS 8:50; MW 1:30-5:30.
 Sec. 3 MW 7:30; TThFS 10:10; MW 1:30-5:30.
206. Organic Chemistry. (9-6) [4]
 Prerequisite: Chemistry 102.
 Daily 10:10; MW 1:30-4:30.
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.

443. Animal Biochemistry. (9-9) [4]
Prerequisite: Chemistry 302.
(Hours to be arranged).
513. Research. Credit 1 to 4 hours.
(Hours to be arranged).

CHEMICAL ENGINEERING

202. Elementary Quantitative Analysis. (6-24) [5]
Prerequisite: Chemistry 205.
Daily 11:30; (Laboratory hours to be arranged).

CIVIL ENGINEERING

- 300S. Surveying Practice. [4]
Prerequisite: Civil Engineering 202.
Daily except S, 8:50-5:30.
533. Advanced Mechanics of Materials. (12-0) [4]
Daily 8:50; (Additional hours to be arranged).
542. Research. Credit 2 to 6 hours.
(Hours to be arranged).

DAIRY HUSBANDRY

418. Feeding and Management. (9-6) [4]
Prerequisite: Animal Husbandry 303,
Dairy Husbandry 202.
Daily 10:10; MW 1:30-4:30.
502. Advanced Dairy Production. (6-18) [4]
Daily 11:30; (Practice hours to be arranged).

ECONOMICS

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.
316. Business Law. (9-0) [3]
Prerequisite: Sophomore Standing.
Daily 10:10.
318. Labor Problems. (9-0) [3]
Prerequisite: Economics 203, 204, or 403.
Daily 7:30.
403. Principles of Economics. (9-0) [3]
Daily (1) 7:30. (2) 10:10.

423. Advertising. (9-0) [3]
Prerequisite: Economics 403 or its equivalent.
Daily 8:50.
501. History of Economic Doctrines. (12-0) [4]
Or
505. Public Finance. (12-0) [4]
Daily 7:30; (Additional hours to be arranged).

EDUCATION

121. An Introduction to Education. (9-0) [3]
Daily 7:30.
321. Secondary School Methods. (9-0) [3]
Daily 8:50.
322. Secondary School Administration. (9-0) [3]
Daily 10:10.
426. Tests and Measurements. (9-0) [3]
Prerequisite: Junior or Senior standing.
Daily 7:30.
431. An Introductory Course in Techniques of
Curriculum Construction. (9-0) [3]
Daily 10:10.
432. Organization and Administration of
Public School Curriculum. (9-0) [3]
Daily 7:30.
503. Problems in Elementary Education. (18-18) [3]
A three week course for County
Superintendents and Supervisors.
(Hours to be arranged).
511. The Newer Techniques in Teaching. (12-0) [4]
Daily 8:50.
512. Interpreting the Schools to the Public. (6-0) [2]
Daily 11:30.

ELECTRICAL ENGINEERING

208. Direct Current Machinery. (9-18) [5]
Prerequisite: Electrical Engineering 201,
Mathematics 102, 104.
Daily 8:50; (Practice hours to be arranged).
502. Advanced Alternating Currents. (6-18) [4]
(Hours to be arranged).
517. Research in Electrical Engineering. Credit 2 to 6 hours.
(Hours to be arranged).

ENGINEERING DRAWING

111. Mechanical Drawing. (0-18) [2]
Daily except S, 1:30-5:00.

124. Descriptive Geometry. (6-12) [3]
 MTThF 8:50; MWF 1:30-5:30.
201. Mechanical Drawing. (0-6) [1]
 Prerequisite: Engineering Drawing 111.
 TTh 1:30-4:30.
202. Mechanical Drawing. (0-6) [1]
 MW 1:30-4:30.

ENGLISH

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.
 (1) MTThF 8:50. (2) Daily 11:30.
- 203X. Composition and Literature. (6-0) [2]
 Same as 203 except for the use of American
 instead of English Literature.
 Prerequisite: English 103, 104.
 MTThF 7:30.
231. English Literature. (9-0) [3]
 Prerequisite: English 103, 104.
 Daily 10:10.
401. Public Speaking. (6-0) [2]
 Prerequisite: English 203, 210, or 231, 232.
 Daily (1) 11:30. (2) MTThF 8:50.
415. Contemporary Continental Drama. (6-0) [2]
 Prerequisite: English 232 or 210.
 MTThF 7:30.

ENTOMOLOGY

201. General Entomology. (6-6) [3]
 Daily 11:30; WF 1:30-4:30.
501. Systematic Entomology. (9-9) [4]
 (Hours to be arranged).
507. Economic Entomology. (9-9) [4]
 Daily 10:10; (Practice hours to be arranged).

GEOLOGY

201. General Geology. (9-0) [3]
 Prerequisite: Chemistry 101 or equivalent.
 Daily 8:50.
202. Historical Geology. (9-9) [4]
 Prerequisite: Geology 201 or 401.
 Daily 7:30; MWF 1:30-4:30.
- 300S. Field Geology. Credit 7 hours.
509. Advanced Field Geology. Credit 2 to 6 hours.

GENETICS

301. Genetics. (9-6) [4]
Prerequisite: Biology 101, 102.
Daily 7:30; TTh 1:30-4:30.
501. Advanced Plant Genetics. (9-12) [4]
MTThF 8:50; (Practice hours to be arranged).

HISTORY

215. History of the United States. (9-0) [3]
Daily 8:50.
305. American Government. (9-0) [3]
Daily (1) 7:30. (2) 10:10.
315. The United States from Roosevelt to
Roosevelt (1901-1937). (9-0) [3]
Daily 10:10.

HORTICULTURE

311. Fruits and Vegetable Products. (3-9) [2]
MWF 11:30 and 1:30-4:30.
317. 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]
Or
503. Advanced Vegetable Gardening. (9-9) [4]
Daily 8:50; (Practice hours to be arranged).

INDUSTRIAL EDUCATION

406. Vocational Guidance. (6-0) [2]
MTThF 10:10.
505. Philosophy of Industrial Education. (12-0) [4]
Daily 8:50; (Additional hours to be arranged).
507. Organization of Industrial Education. (12-0) [4]
Daily 7:30; (Additional hours to be arranged).
509. Methods of Teaching Drawing. (6-12) [3]
(Hours to be arranged).
515. Research in Industrial Education. Credit 2 to 4 hours.
(Hours to be arranged).
516. Methods of Teaching High School Shop
Work. (6-9) [3]
(Hours to be arranged).

New and special courses are being developed for both Industrial Arts and T. & I. teachers. Special bulletin to follow.

LANDSCAPE ART

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

MATHEMATICS

101. Algebra. (9-0) [3]
 Daily (1) 8:50. (2) 10:10.
102. Algebra. (9-0) [3]
 Daily (1) 10:10. (2) 7:30.
103. Plane Trigonometry. (9-0) [3]
 Daily (1) 7:30. (2) 8:50. (3) 10:10.
104. Analytics. (12-0) [4]
 Prerequisite: Mathematics 101, 103, or 111.
 Daily 8:50 and MWF 11:30.
203. Calculus. (15-0) [5]
 Prerequisite: Mathematics 104 or 112.
 Daily (1) 7:30 and 11:30. (2) 8:30 and 11:30.
204. Calculus. (15-0) [5]
 Prerequisite: Mathematics 203.
 Daily 8:50 and 11:30.
405. Vector Analysis. (12-0) [4]
 (Hours to be arranged).

MECHANICAL ENGINEERING

101. Engineering Problems. (3-6) [2]
 MWF 11:30; MW 1:30-4:30.
102. Engineering Problems. (3-6) [2]
 TThS 11:30 TTh 1:30-4:30.
212. Engineering Mechanics. (9-0) [3]
 Must be preceded or accompanied by
 Mathematics 204.
 Daily 10:10.
309. Machine Shop. (0-9) [1]
 MWF 1:30-4:30.

MODERN LANGUAGES

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

PHYSICAL EDUCATION

207. Health Education. (9-0) [3]
Prerequisite: Sophomore standing and approval of instructor.
Daily 7:30.
305. Public School Physical Education. (9-0) [3]
Prerequisite: Junior standing and approval of instructor.
Daily 10:10.
403. Organization and Administration of Physical Education. (6-6) [3]
Prerequisite: Approval of Instructor.
MTThF 8:50; WF 1:30-4:30.

PHYSICS

201. College Physics. (9-6) [4]
Daily 7:30; TThF 1:30-3:30.
203. General Physics. (9-9) [4]
Prerequisite: Mathematics 112.
Daily 10:10; MWF 1:30-4:30.

POULTRY HUSBANDRY

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

PSYCHOLOGY

301. Educational Psychology. (9-0) [3]
Daily 10:10.

RURAL SOCIOLOGY

404. Rural Organization. (9-0) [3]
Daily 8:50.
501. Advanced Rural Sociology. (12-0) [4]
Or
511. History of Modern Social Thought. (12-0) [4]
Daily 10:10; (Additional hours to be arranged).

TEXTILE ENGINEERING

107. Cotton Classing. (6-15) [4]
 (Hours to be arranged).

VETERINARY MEDICINE AND SURGERY

351. Non-Infectious Diseases. (9-0) [3]
 Daily 7:30.
 361. General Surgery. (9-0) [3]
 Daily 10:10.
 371. Clinics. (0-21) [2]
 (Hours to be arranged).
 471. Clinics. (0-21) [2]
 (Hours to be arranged).

VETERINARY PATHOLOGY AND PHARMACOLOGY

221. Physiology of Domestic Animals. (6-0) [2]
 Prerequisite: V. P. P. 121, 122.
 Daily 11:30.
 333. Pharmacology. (9-12) [4]
 Daily 8:50. (Practice hours to be arranged).

VETERINARY ANATOMY

111. Anatomy of Domestic Animals. (9-18) [5]
 Daily 7:30. (Practice Hours to be arranged).

SECOND TERM

(July 19 to August 28)

ACCOUNTING AND STATISTICS

202. Principles of Accounting. (9-9) [4]
Daily 7:30; MWF 1:30-4:30.
303. Statistical Method. (9-9) [4]
Daily 8:50; MTThF 10:05-12:20.

AGRICULTURAL ECONOMICS

312. Agricultural Economics. (9-0) [3]
Daily 7:30.
314. Marketing. (9-0) [3]
Prerequisite: A course in Principles
of Economics.
Daily 8:50.
502. Advanced Marketing Problems. (12-0) [4]
(Hours to be arranged).
503. Land Problems. (12-0) [4]
(Hours to be arranged).

AGRICULTURAL ENGINEERING

201. Farm Machinery. (6-6) [3]
Daily 11:30; TTh 1:30-4:30.
413. Farm Buildings. (6-9) [3]
MTThF 8:50; MWF 1:30-4:30.
505. Advanced Farm Buildings. (6-18) [4]
(Hours to be arranged).
- 513 or 514. Advanced Soil Erosion Engineering. (9-9) [4]
Daily 10:10; (Additional hours to be arranged).

AGRONOMY

105. Fundamentals of Crop Production. (9-6) [4]
Daily 7:30; TTh 1:30-4:30.
314. Field Crops. (9-6) [4]
Daily 10:10; TTh 1:30-4:30.
418. Soil Conservation. Credit 3 hours.
Prerequisite: Agronomy 301.
(A two weeks course for men in service. To be
given August 8 to 21).

ANIMAL HUSBANDRY

203. Market Classes and Grades of Livestock. (6-6) [3]
Prerequisite: Animal Husbandry 107.
Daily 11:30; TTh 1:30-4:30.
409. Animal Nutrition and Live Stock Feeding. (9-9) [4]
Daily 10:10; MWF 1:30-4:30.
506. Advanced Wool and Mohair Production. (9-9) [4]
(Hours to be arranged).

BIOLOGY

102. Morphology and Taxonomy of Seed Plants. (6-12) [3]
Prerequisite: Biology 101.
Daily 11:30; MTThF 1:30-4:30.
206. Introductory Bacteriology. (6-12) [3]
Prerequisite: Biology 101.
MTThF 10:10 and 1:30-4:30.
509. Advanced Plant Physiology. (6-18) [4]
(Hours to be arranged).

CHEMISTRY

- 102-104. General Inorganic Chemistry. (9-9) [4]
Sec. 1. Daily 7:30; MW 1:30-5:30.
Sec. 2. MW 7:30; TThFS 8:50; MW 1:30-5:30.
Sec. 3. MW 7:30; TThFS 10:10; MW 1:30-5:30.
- 400S. Quantitative Analysis. (6-18) [4]
Prerequisite: Chemical Engineering 202.
Daily 7:30 and 1:30-5:00.
444. Animal Biochemistry. (9-9) [4]
Prerequisite 302.
(Hours to be arranged).
514. Research. Credit 1 to 4 hours.
(Hours to be arranged).

CIVIL ENGINEERING

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.
Daily 8:50.

311. Hydraulics. (9-0) [3]
Prerequisite: Mechanical Engineering 212.
Daily 10:10.
340. Elementary Stress Analysis. (9-0) [3]
Prerequisite: Civil Engineering 305.
Daily 7:30.
344. Reinforced Concrete. (6-0) [2]
Prerequisite: Civil Engineering 305.
Daily 11:30.
534. Advanced Mechanics of Materials. (12-0) [4]
Or
542. Research. Credit 2 to 6 hours.
(Hours to be arranged).

DAIRY HUSBANDRY

202. Dairying. (6-6) [3]
MThF 8:50; TTh 1:30-4:30.

ECONOMICS

204. Principles of Economics. (9-0) [3]
Daily 10:10.
403. Principles of Economics. (9-0) [3]
Daily (1) 7:30. (2) 10:10.
409. Foreign Trade and Exchange. (9-0) [3]
Prerequisite: Economics 403 or its equivalent.
Daily 8:50.
502. History of Economic Doctrines. (12-0) [4]
Or
506. Labor Problems. (12-0) [4]
(Hours to be arranged).

EDUCATION

321. Secondary School Methods. (9-0) [3]
Daily 8:50.
322. Secondary School Administration. (9-0) [3]
Daily 10:10.
504. The Development of Education in Texas. (6-0) [2]
MTThF 8:50.
514. State School Finances. (6-0) [2]
MTThF 10:10.
515. State School Administration. (6-0) [2]
Daily 11:30.

ELECTRICAL ENGINEERING

302. Alternating Currents. (15-0) [5]
 Prerequisite: Electrical Engineering 301,
 Mathematics 204.
 Daily 7:30 and 11:30; TTh 1:30-4:30.
305. Electrical Machinery. (9-9) [4]
 Prerequisite: Physics 204, Mathematics 204.
 Daily 7:30; MWF 1:30-4:30.
431. Engineering Administration. (6-0) [2]
 Prerequisite: Senior Classification.
 MTThF 8:50.
507. Advanced Alternating Current
 Machinery. (6-18) [4]
 (Hours to be arranged).
510. Advanced Communication Engineering—
 Radio. (9-9) [4]
 (Hours to be arranged).

ENGINEERING DRAWING

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

ENGLISH

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

GENETICS

405. Survey of Eugenics. (9-0) [3]
Daily 10:10.
502. Advanced Plant Genetics. (9-12) [4]
(Hours to be arranged).

GEOLOGY

- 300S. Field Geology. [7]
510. Advanced Field Geology. Credit 2 to 6 hours.

HISTORY

305. American Government. (9-0) [3]
Daily (1) 7:30. (2) 10:10.
316. The Institutional Background of Texas. (9-0) [3]
Daily 10:10.
322. Industrial History of the United States. (9-0) [3]
Daily 8:50.

HORTICULTURE

201. Plant Propagation and Orchardling. (6-6) [3]
Prerequisite: Biology 101, 102.
MTThF 7:30; TTh 1:30-4:30.
312. Fruits and Vegetable Products. (3-9) [2]
MW 8:50 and MWF 1:30-4:30.
318. Principles of Fruit Growing. (6-9) [3]
Prerequisite: Horticulture 201.
Daily 11:30; MWF 1:30-4:30.
502. Advanced Fruit Growing. (9-9) [4]
Or
504. Advanced Vegetable Gardening. (9-9) [4]
Daily 10:10; (Practice hours to be arranged).

INDUSTRIAL EDUCATION

508. Administration and Supervision in
Industrial Education. (12-0) [4]
Daily 10:10; (Additional hours to be arranged).
511. Industrial Education Problems. (12-0) [4]
Daily 8:50; (Additional hours to be arranged).
516. Methods of Teaching High School Shop
Work. (6-9) [3]
(Hours to be arranged).

MATHEMATICS

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]
204.	Calculus. Prerequisite: Mathematics 203. Daily (1) 8:50 and 11:30. (2) 7:30 and 11:30.	(15-0)	[5]
305.	Differential Equations. Prerequisite: Mathematics 204. Daily 11:30.	(6-0)	[2]
512.	Partial Differential Equations. (Hours to be arranged).	(12-0)	[4]

MECHANICAL ENGINEERING

102.	Engineering Problems. MWF 1:30-4:30 (Recitation and practice).	(3-6)	[2]
212.	Engineering Mechanics. Must be preceded or accompanied by Mathematics 204. Daily 10:10.	(9-0)	[3]
307.	Kinematics. Prerequisite: Physics 203. Daily 11:30; MWF 1:30-4:30.	(6-9)	[3]
313.	Engineering Mechanics. Daily 10:10.	(9-0)	[3]
320.	Thermodynamics. Prerequisite: Mathematics 204, Physics 204. Daily 7:30 and 11:30.	(15-0)	[5]

MODERN LANGUAGES

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

MUNICIPAL AND SANITARY ENGINEERING

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

PHYSICAL EDUCATION

208. Athletic Training. (9-0) [3]
Prerequisite: Approval of instructor.
Daily 7:30.
306. Public School Physical Education. (9-0) [3]
Prerequisite: Approval of Instructor.
Daily 7:30.
404. Organization and Administration of
Physical Education. (6-6) [3]
Prerequisite: Approval of instructor.
MTThF 8:50; WF 1:30-4:30.

PHYSICS

202. College Physics. (9-6) [4]
Daily 7:30; TThF 1:30-3:30.
204. General Physics. (9-9) [4]
Prerequisite: Mathematics 112.
Daily 10:10; MWF 1:30-4:30.

POULTRY HUSBANDRY

401. Culling and Management. (9-6) [4]
Prerequisite: Poultry Husbandry 201, 302.
Daily 7:30; TTh 1:30-4:30.
501. Research Problems. (9-12) [4]
(Hours to be arranged).
Or
One of the following courses: 502, 503, 504.

RURAL SOCIOLOGY

201. Introduction to Social Problems. (9-0) [3]
Daily 7:30.
407. Rural Sociology. (6-6) [3]
Daily 11:30; TTh 1:30-4:30.

VETERINARY MEDICINE AND SURGERY

352.	Non-Infectious Diseases. Daily 7:30.	(9-0)	[3]
362.	General Surgery. Daily 10:10.	(9-0)	[3]
372.	Clinics. (Hours to be arranged).	(0-36)	[4]
472.	Clinics. (Hours to be arranged).	(0-21)	[2]

THE SUMMER COTTON SCHOOL

(June 8 to July 17)

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

SHORT COURSES SUMMER SESSION 1937

The following conferences and short courses will be held at the Agricultural and Mechanical College during the 1937 Summer Session. For special announcement and full descriptive folder, write the person designated.

The Annual Conference of County Superintendents and Rural School Supervisors, July 12 to 16.
Write Professor W. L. Hughes.

Texas School Administration Conference. June 13 to 16.
Write Dean T. D. Brooks.

Short Courses for Teachers of Vocational Agriculture.
June 8 to 26 and June 28 to July 17.
Write Professor E. R. Alexander.

Short Course for Cotton Oil Mill Operators. June 14 to 19.
The Firemen's Training School (Eighth Session). July 19 to 23. Write Dr. C. C. Hedges.

Farmers' Short Course. Date.....
Write H. H. Williamson, Director of Extension Service.

Annual Coaching School. August 16 to 21.
Write Coach Homer H. Norton.

