

BULLETIN
OF THE
AGRICULTURAL AND MECHANICAL
COLLEGE OF TEXAS

Fifth Series, Vol. 6

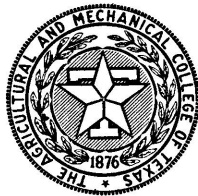
April 1, 1950

No. 4

THE SUMMER SESSION
JUNE 5 -- AUGUST 25, 1950

FIRST TERM—June 5 - July 15

SECOND TERM—July 17 - August 25



COLLEGE STATION, TEXAS

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COLLEGE CALENDAR

SUMMER SESSION OF 1950

June 5	Monday, 8 a.m. to 12 noon, registration for the first term.
June 6	Tuesday, 7 a.m., beginning of classes.
June 9	Friday, last day for registration in the college division for credit during the first term.
July 4	Tuesday, a holiday.
July 14-15	Friday, Saturday, first term final examinations.
July 17	Monday, 8 a.m. to 12 noon, registration for the second term.
July 18	Tuesday, 7 a.m., beginning of classes.
July 21	Friday, last day for registration in the college division for credit during the second term.
August 24-25	Thursday, Friday, second term final examinations.
August 26	Saturday, pre-registration for fall semester.

REGULAR SESSION OF 1950-51

First Semester

1950

September 8	Friday, opening day of Freshman Week.
September 15	Friday, 8 a.m. to 5 p.m., registration for new students.
September 16	Saturday, 8 a.m. to 5 p.m., registration for old returning students.
September 18	Monday, 8 a.m., beginning of classes.
September 23	Saturday, last day for making changes in registration.
September 30	Saturday, last day for registering in the college division for credit during the fall semester.
November 11	Saturday, a holiday.
November 15	Wednesday, mid-semester grade reports.
November 30- December 2	Thursday, Friday, Saturday, inclusive, Thanksgiving recess.
December 19	Tuesday, 5 p.m., beginning of Christmas recess.
January 3, 1951	Wednesday, 8 a.m., end of Christmas recess.
January 20-26	Inclusive, semester examinations.

Second Semester

1951

January 29-30	Monday, Tuesday, registration for old students.
January 30	Tuesday, registration for new students.
January 31	Wednesday, 8 a.m., beginning of classes.
February 6	Tuesday, last day for making changes in registration.
February 12-16	Religious Emphasis Week.
February 13	Tuesday, last day for registering in the college division for credit during the spring semester.
March 23-26	Inclusive, spring recess.
March 28	Wednesday, mid-semester grade reports.
May 26-June 1	Inclusive, semester examinations.
June 1	Friday, Commencement.
June 2	Saturday, Final Review.

The Texas Agricultural & Mechanical College System

Composed of all colleges, agencies and services under the supervision of the Board of Directors of the Agricultural and Mechanical College of Texas, including:

- The Agricultural and Mechanical College of Texas
- The Arlington State College
- The Tarleton State College
- The Prairie View Agricultural and Mechanical College
- The Texas Agricultural Experiment Station
- The Texas Agricultural Extension Service
- The Texas Forest Service
- The Texas Engineering Experiment Station
- The Texas Engineering Extension Service

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*President emeritus effective June 5, 1950.

†President of the College effective June 5, 1950.

GENERAL INFORMATION

LOCATION

The Agricultural and Mechanical College of Texas is located at College Station, Brazos County, Texas, 100 miles north of Houston, 100 miles east of Austin, and 170 miles south of Dallas. It is served by the Southern Pacific and Missouri Pacific Railroads, with convenient connections to all parts of the State. A modern system of paved highways affords direct communication with the principal cities and towns of the State.

ADMISSION

Any person who wishes to enter the Agricultural and Mechanical College of Texas should write to the Registrar at College Station, Texas, for application blanks. The student should fill out the application sheet in his own handwriting, have his high school superintendent or principal fill out the entrance certificate, and return both forms to the Registrar's Office. Students who have attended other colleges or universities must submit official transcripts or official statements of standing in the last institution attended. If a student is to be in attendance in the summer session only, it is unnecessary for him to submit a formal application for admission but academic records will be needed.

The same general admission requirements apply in the summer session as in the regular session. It is of utmost importance that admission be cleared in advance of registration day so that the student may have a minimum delay in the registration procedure.

GRADUATE STUDY AND ADVANCED DEGREES

Students interested in taking graduate courses in the Summer Session should apply for admission to the Graduate School well in advance of the opening of the Summer Session. Forms and information for making application will be supplied upon request.

The large summer school enrollment of candidates for advanced degrees assures the offering of a wide variety of graduate courses. The student should determine in advance that the graduate courses he wants or which are required in his particular program are to be offered at the time he plans to enroll. If these are not scheduled in the Summer Session catalogue, he should contact the head of the department handling the course regarding the possibility of such courses being offered.

It is the purpose of the College to facilitate the offering of graduate courses in the Summer Sessions when the demand for them is known in advance and the staff and facilities can be made available.

EXPENSES

First Term		Second Term	
Matriculation Fee	\$15.00	Matriculation Fee	\$15.00
Medical Fee	2.50	Medical Fee	2.50
Room Rent	15.00	Room Rent	15.00
Laundry	4.50	Laundry	4.50
Student Activities Fee	1.90	Student Activities Fee	1.90
Key Deposit	1.00	Key Deposit	1.00
Total	<u>\$39.90</u>	Total	<u>\$39.90</u>

Non-resident students registering for four or more credit hours will pay a matriculation fee of \$50.00. Those registering for less than four

credit hours will pay a fee of \$12.50 per credit hour. Resident students registering for four or more credit hours will pay a matriculation fee of \$15.00. Those registering for three hours will pay \$13.00; two—\$11.00; and one—\$10.00. The absentia registration fee is \$7.50.

Meals will be served cafeteria style only during the Summer Session. No family style service will be provided.

The laundry fee is required of all students living in the College dormitories.

Students registering for field courses given away from the campus will pay, in addition to the required matriculation fee, a special field course fee as follows: Geology 299, \$20.00; Geology 300, \$40.00; and Wildlife Management 300, \$40.00. Geology 399 will be given on the campus. Students registering for this course will pay the \$40.00 special field course fee and all other required fees.

HOUSING

Ample dormitory rooms are available to all graduate and undergraduate male students at a cost of \$15.00 for six weeks. Married couples without children may secure a suite of rooms and bath in the dormitories for \$30.00 for six weeks. All dormitory rooms are equipped with beds, mattresses, tables, and chairs.

It is anticipated that all married veteran undergraduate students and all married graduate students will be able to secure college operated furnished or unfurnished apartments. The price range is from \$24.00 to \$30.00 per month including utilities. Applications for these apartments should be made and assignments confirmed in advance of any move to the campus. If further information is needed, please contact the Chief of Housing.

RELIGIOUS ACTIVITIES

Religious Services: Religious services are held each Sunday morning and evening by student pastors assigned by their denominations to work with students of the College. This work includes Sunday School, young people's organizations, sermons, and ethical training. Every effort is made by means of lectures, conferences, and personal example to develop the moral character of the students of this institution.

Young Men's Christian Association: For the many services rendered to the students, the YMCA holds a coveted spot in the hearts of all students. It has a large lobby, a chapel for religious services, and four parlors used for the meeting of students, friends, and visitors. The YMCA has a program which will give all students an opportunity to participate in the religious and social activities of the College.

LIBRARY FACILITIES

College Library: The collection of this library numbers over 150,000 volumes, which include files of federal and state documents, and bound periodicals. The library receives over 2,000 periodicals and serials, principally in English and Spanish, but some in other languages as well. The bound files of the majority of the periodicals are kept for reference and research.

The careful selection of new books keeps the collection abreast of modern thought. With the exception of certain books designated for reference and other purposes and periodicals and documents, all books are loaned for home use for a period of two weeks with the privilege of renewal for the same length of time.

The library is open for the following hours: weekdays, 8 a.m. to 10 p.m.; Saturdays, 8 a.m. to 4 p.m.; Sundays, 2 to 10 p.m.

The Texas Engineers Library: This library is located on the ground floor of the Mechanical Engineering Shops Building. There are more than 15,000 volumes of books and periodicals in this library. The collection consists chiefly of engineering and technical materials.

The library hours are as follows: weekdays, 8 a.m. to 9 p.m.; Saturdays, 8 a.m. to 12 noon.

SPORTS AND RECREATION

Wholesome recreation is recognized as an important part of the summer session program, and every effort is put forth to provide an attractive program and to encourage students to take part. Intra-mural contests in appropriate sports are staged between student groups, and winners are awarded the official intramural medal.

Students are also encouraged to use available facilities for voluntary recreation. These include the P. L. Downs, Jr., Natatorium, tennis courts, handball courts, badminton courts, volleyball courts, basketball courts, horseshoe courts, softball diamonds, and an exercise room for use for boxing, wrestling, bag striking, and gymnastics. A nine-hole golf course near the College is also available to students.

LECTURES AND ENTERTAINMENT

The rapidly expanding entertainment program at the A. and M. College of Texas features a series of summer open-air dances at The Grove, popular outdoor recreational center on the campus.

Fellowship and fun are provided in the Summer Jamborees at Guion Hall and in the several lounges conveniently placed over the campus. The Guion Hall Theater offers a daily program of selected motion pictures at nominal prices, with all profits turned back to the student body in the form of recreational facilities and entertainment.

COLLEGE HEALTH SERVICE

The services of the College Medical Department become available to the student as soon as he has registered. The Department treats cases of acute illness as they appear and supervises the maintenance of healthful living conditions at the College. The Department provides medical care and advice at all times during the College sessions.

The College Hospital is a modern brick building, steam heated, and has 150 beds for patients. Students are given hospitalization, including room, board, general nursing service, doctor's service, and medicine. The X-ray department provides all necessary picture and fluoroscopic work, including that for teeth, chest, and bones. The clinical laboratory makes blood examinations, urine examinations, smears, and cultures. The physiotherapy department provides heat treatments by means of ultra-violet, diathermy, and infra-red lamps. Two doctors, twelve nurses, two technicians, and three student assistants compose the department staff.

Sanitary work is carried on throughout the entire year. The water of the College is supplied from artesian wells. Milk and other dairy products used by the student body are supplied by the College dairies, among the most scientific and modern in the State. The College laboratories make bacteriological checks of the milk and water supplies.

All College buildings are located on the crest of a wide divide with sufficient slope in every direction to insure proper drainage. The four units of dormitories are modern and comfortable and are located in spacious and beautifully landscaped areas on the campus. The dormitories, as well as the College swimming pool and other places frequented by the students, are inspected at regular intervals.

The College is particularly concerned with the maintenance of the health and physical development of its students. It provides one of the finest indoor swimming pools in the State, as well as tennis courts, athletic fields, and physical training and education.

VETERANS ADVISORY SERVICE

The A. and M. College of Texas has provided a full-time employee to serve as Veterans Advisor and assist ex-servicemen and their families with their problems. His office, which is located in Room 104 Goodwin Hall, is especially equipped to assist in the advisement on personal matters and with applications for "G. I. Bill" benefits, admission to the College, selection of courses, clearing insurance and service pay difficulties, and receiving disability pay. The Veterans Advisor and his staff are sincerely interested in every problem of the veteran and welcome his inquiries by correspondence or by personal office calls.

THE EXCHANGE STORE

The College operates an exchange store for the purpose of supplying necessary articles to students at the lowest possible cost. The store carries in stock textbooks, stationery, drawing instruments, toilet articles and other supplies. All merchandise is sold at the usual retail prices prevailing in the area. The exchange store supplies all books and supplies to veteran students, under the terms of the contract between the College and Veterans Administration.

MILITARY TRAINING

Military training will not be given during either term of the Summer Session.

SUPERVISION AND DISCIPLINE

The over-all supervision of student life and the administration of discipline is the responsibility of the Dean of Students. The rules of conduct, by which every student is expected to live while attending the A. and M. College, are contained in the BASIC POLICY.

STUDENT EMPLOYMENT

Those students who find it necessary to earn part of their expenses while carrying on their college work may find part-time employment through the Student Labor Office. In assigning a student to a part-time job, every effort is made to place him in work pertaining to his major field of study, or work which takes the least amount of time from his study schedule.

REPORTS

If a student is enrolled for only the first term of the Summer Session, a grade report will be mailed at the end of the first six weeks. The student who attends both terms will receive the grades of the two terms at the end of the twelve-weeks Summer Session.

REGISTRATION

Schedules and Procedures for Registering

WHEN AND WHERE TO REGISTER

The entire registration procedure (including payment of fees, housing assignments, and issuance of book requisitions to veterans) will be conducted in Sbisa Hall. Registration cards will be issued to graduate and undergraduate students at the east entrance to Sbisa Hall according to the following schedule:

First Term: Monday, June 5, 1950 8:00 a.m. to 12:00 noon

8:00 to 9:00—All whose surnames begin with A, B, C, D.
9:00 to 10:00—All whose surnames begin with S, T, U, V, W, X, Y, Z.
10:00 to 11:00—All whose surnames begin with L, M, N, O, P, Q, R.
11:00 to 12:00—All whose surnames begin with E, F, G, H, I, J, K.

Second Term: Monday, July 17, 1950 8:00 a.m. to 12:00 noon

8:00 to 9:00—All whose surnames begin with S, T, U, V, W, X, Y, Z.
9:00 to 10:00—All whose surnames begin with L, M, N, O, P, Q, R.
10:00 to 11:00—All whose surnames begin with E, F, G, H, I, J, K.
11:00 to 12:00—All whose surnames begin with A, B, C, D.

DIRECTIONS FOR REGISTERING

Directions to be followed when registering for either or both terms:

1. Secure assignment card at Sbisa Hall according to the alphabetical schedule above.
2. Pay all fees at the Cashier's Desk (Sbisa Hall).
3. Report to the Chief of Housing (Sbisa Hall) and have fee receipt stamped.
4. Report to the heads of departments, or their representatives, for approval of the courses to be taken. They will be located on the main floor of Sbisa Hall.
5. Report to your dean for approval of schedule (Sbisa Hall-Annex).
6. Veterans secure approval of book requisitions (Sbisa Hall-Annex).
7. Turn in assignment card at the Registrar's Office (Sbisa Hall-Annex).

NOTES:

1. Old returning students and new students must report to the Registrar's Office (Administration Building) if permission to register has not been secured in advance of registration day.
2. Students, other than new enrollees, who have not completed their registration and returned their assignment cards to the Registrar's Office by 5:00 p.m. of registration day will pay an additional matriculation fee of \$2.00 for late registration. Reg-

- istration is not complete until the student has returned his assignment card, properly approved, to the Registrar and his receipt has been stamped "Registered in Registrar's Office."
3. Juniors and seniors in the Schools of Arts and Sciences and Agriculture must have their assignment cards initialed by the heads of their major departments before the cards are presented to their deans for approval.
 4. All students in the Schools of Agriculture and Engineering who have attained junior standing or above must have their approved degree plans when presenting their assignment cards to their deans for approval.
 5. Any course may be withdrawn from the Summer Session schedule in case the number of registrations is too small to justify offering the course. Any freshman or sophomore class or section with an enrollment of less than fifteen students, and any junior or senior class or section with an enrollment of less than ten students, may be dropped unless specifically authorized to be continued by action of the Executive Committee.
 6. Students registering for less than four credit hours will report to the Registrar's desk in Sbisa Hall for a statement of expenses before beginning registration. In case of overcharge or undercharge, proper adjustment will be made after registration.
 7. Friday, June 9, will be the last date on which changes in registration for the first term of the 1950 Summer School can be made without penalty. Likewise, Friday, July 21, will be the last date for changes in the second term. Subjects dropped after these dates will show grades of F as the final grades.

REQUIREMENT IN AMERICAN GOVERNMENT

In order to meet the legal requirement for a degree from the College, all students must have credit for History 306 or its equivalent and credit for basic military science. For those students who do not take military science, six hours in government must be completed. Such students should complete History 307, plus one elective hour.

In satisfying the requirements for a teacher's certificate, six hours of American government must be completed. Credit for basic military science can not be used in satisfying this requirement.

EXCESS WORK

The normal amount of work a student may carry in a six weeks term is six semester hours (or seven if part is practice).

The privilege of carrying one hour above the normal load in a summer term is granted a student who earned 27 or more grade points in his preceding semester.

Section Theory Practice
AERONAUTICAL ENGINEERING (Aero.)

E. E. BRUSH, Head of Dept.
 Office: Aero. Eng. Bldg.

FIRST TERM

- Course 402a—Airplane Design. (3-9) 2
- 1 MWF11-12 TTh1-5:30
- Course 405—Aircraft Structures. (9-0) 3
- 1 Daily 11-12:15
- Course 406—Aircraft Engine Testing. (0-18) 2
- 1 Daily 7-10
- Course 604a—Dynamics of Compressible Fluids. (6-0) 2
- 1 Hours to be arranged.
- Course 605—Aircraft Structural Analysis. (12-0) 4
- 1 Daily 7-9

SECOND TERM

- Course 201—Aeronautics. (9-0) 3
- 1 Daily 7-8:15
- Course 402b—Airplane Design. (3-9) 2
- 1 MWF11-12 TTh1-5:30
- Course 604b—Dynamics of Compressible Fluids. (6-0) 2
- 1 Hours to be arranged.
- Course 606—Aircraft Structural Design. (6-18) 4
- 1 Daily 10-11 MTWTh1-5F1-3

AGRICULTURAL ECONOMICS AND SOCIOLOGY

L. P. GABBARD, Head of Dept.
 Office: Room 401, Agricultural Bldg.

AGRICULTURAL ECONOMICS (Ag.Ec.)

J. W. BARGER, Room 401, Agr. Bldg.

FIRST TERM

- Course 324—Agricultural Prices. (9-0) 3
- 1 Daily 9-10:15
- Course 421—Principles of Farm and Ranch Management. (6-6) 3
- 1 Daily 11-12 MW2-5
- Course 620—Problems in Agricultural Finance. (12-0) 4
- 1 Hours to be arranged.
- Course 623—Seminar in Agricultural Marketing. (6-0) 2
- 1 Daily 7-8
- Course 671—Research and Thesis. Credit 1 to 8.
- 1 Hours to be arranged.

SECOND TERM

- Course 314—Marketing Farm Products. (9-0) 3
- 1 Daily 7-8:15
- Course 602—Agricultural Marketing Problems. (12-0) 4
- 1 Daily 7-9
- Course 624—Seminar in Farm Management. (6-0) 2
- 1 Daily 11-12

Section Theory Practice

- Course 631—Special Problems in Agricultural Economics. Credit 1 to 4.
- 1 Hours to be arranged.
- Course 645—Government and Agriculture. (9-0) 3
- 1 Hours to be arranged.
- Course 671—Research and Thesis. Credit 1 to 8.
- 1 Hours to be arranged.

RURAL SOCIOLOGY (R. S.)

DANIEL RUSSELL, Room 401, Agr. Bldg.

FIRST TERM

- Course 205—Principles of Sociology. (9-0) 3
- 1 Daily 11-12:15
- Course 314—Social Problems. (9-0) 3
- 1 Daily 9-10:15
- Course 601—Rural Sociology. (12-0) 4
- 1 Daily 7-9
- Course 671—Research Methods and Problems. Credit 1 to 8.
- 1 Hours to be arranged.

SECOND TERM

- Course 404—Rural Organization. (9-0) 3
- 1 Daily 7-8:15
- Course 407—Rural Social Problems. (9-0) 3
- 1 Daily 9-10:15
- 2 Daily 7-8:15

AGRICULTURAL EDUCATION (Ag.Ed.)

E. R. ALEXANDER, Head of Dept.
 Office: Room 107, Ag. En. Bldg.

FIRST TERM

- Course 426—Out-of-School Farm People. (6-0) 2
- 1 Daily 7-8
- Course 430—Administering and Supervising the Vocational Agricultural Program. (6-0) 2
- 1 Daily 9-10
- Course 601—Advanced Methods in Agricultural Education. (6-0) 2
- 1 Hours to be arranged.
- Course 605—Supervised Farming. (6-0) 2
- 1 Hours to be arranged.
- Course 610—Evening Schools. (6-0) 2
- 1 Hours to be arranged.
- Course 615—Philosophy of Agricultural Education. (6-0) 2
- 1 Hours to be arranged.
- Course 619—Workshop Course. Credit 3.
- 1 (3 weeks) Hours to be arranged.
- Course 620—Workshop Course. Credit 3.
- 1 (3 weeks) Hours to be arranged.

SECOND TERM

- Course 426—Out-of-School Farm People. (6-0) 2
- 1 Daily 7-8
- Course 430—Administering and Supervising the Vocational Agricultural Program. (6-0) 2
- 1 Daily 9-10

Section	Theory	Practice
Course 602—Advanced Methods in Agricultural Education. (6-0)	2	
1	Hours to be arranged.	
Course 606—Supervised Farming. (6-0)	2	
1	Hours to be arranged.	
Course 608—Promotional Activities in Vocational Agriculture. (6-0)	2	
1	Hours to be arranged.	
Course 621—Workshop Course. Credit 3.		
1	(3 weeks) Hours to be arranged.	

AGRICULTURAL ENGINEERING (Ag. En.)

F. R. JONES, Head of Dept.
Office: Room 215, Ag. Eng. Bldg.

FIRST TERM

Course 221—Farm Shop. (3-9)	2	
1	MWF1	MWF2-5
Course 305—Terracing and Drainage. (9-9)	4	
1	Daily 7-8:15	TTh1-5:30
Course 602—Drainage and Irrigation. (9-9)	4	
1	Daily 9-10:15	MWF2-5

SECOND TERM

Course 413—Farm Buildings. (6-9)	3	
1	Daily 7-8	MWF2-5
Course 425—Seminar. (3-0)	1	
1	MWF11-12	
Course 609—Farm Power. (6-18)	4	
1	Daily 9-10	MTWTh1-5F1-3

AGRONOMY (Agr.)

J. E. ADAMS, Head of Dept.
Office: Room 310, New Agr. Exp. Sta. Bldg.

FIRST TERM

Course 301—Introductory Soils. (9-6)	4	
1	Daily 7-8:15	MWF1-3
2	Daily 7-8:15	TTh2-5
3	Daily 7-8:15	MWF3-5
Course 308—Forage Crops. (6-6)	3	
1	Daily 8-9	TTh2-5
Course 422—Soil Fertility. (9-12)	4	
1	Daily 9-10:15	MWF1-5

SECOND TERM

Course 418—Soil Conservation. (9-9)	4	
1	Daily 7-8:15	MW1-5:30
2	Daily 7-8:15	TTh1-5:30

ANIMAL HUSBANDRY (A. H.)

J. C. MILLER, Head of Dept.
Office: Room 221, Animal Ind. Bldg.

FIRST TERM

Course 303—Animal Nutrition. (9-0)	3	
1	Daily 7-8:15	
Course 307—Meats. (6-9)	3	
1	Daily 9-10	MW1-5:30
2	Daily 11-12	TTh1-5:30
Course 406—Beef Cattle Production. (9-6)	4	
1	Daily 9-10:15	WF2-5
Course 436—Workshop in Animal Husbandry. Credit 3.		
1	(3 weeks) Hours to be arranged.	

Section	Theory	Practice
Course 441—Animal Husbandry Travel Tour. Credit 4.		
1	Hours to be arranged.	
Course 605—Advancements in Beef Cattle Production. (9-0)	3	
1	Daily 7-8:15	

SECOND TERM

Course 307—Meats. (6-9)	3	
1	Daily 9-10	MW1-5:30
2	Daily 11-12	TTh1-5:30
Course 412—Swine Production. (9-6)	4	
1	Daily 7-8:15	TTh2-5
Section	Theory	Practice
Course 416—Livestock Management. (9-6)	4	
1	Daily 9-10:15	WF2-5
Course 621—Advancements in Swine Production. (9-0)	3	
1	Daily 11-12:15	

ARCHITECTURE (Arch.)

ERNEST LANGFORD, Head of Dept.
Office: Room 400, Academic Bldg.

FIRST TERM

Course 401a—Architecture IV. (0-27)	3	
1	Daily 7-11 and M2-5	
Course 402a—Architecture IV. (0-27)	3	
1	Daily 7-11 and M2-5	
Course 427—Construction II. (6-6)	3	
1	Daily 11-12	TTh2-5
Course 428—Construction II. (6-6)	3	
1	Daily 9-10	WF2-5
Course 501a—Architecture V. (0-27)	3	
1	Daily 7-11 and M2-5	
Course 502a—Architecture V. (0-27)	3	
1	Daily 7-11 and M2-5	

SECOND TERM

Course 401b—Architecture IV. (0-27)	3	
1	Daily 7-11 and M2-5	
Course 402b—Architecture IV. (0-27)	3	
1	Daily 7-11 and M2-5	
Course 501b—Architecture V. (0-36)	4	
1	Daily 7-11 and M2-5	
Course 502b—Architecture V. (0-36)	4	
1	Daily 7-11 and M2-5	

BIOCHEMISTRY AND NUTRITION (B.N.)

C. M. LYMAN, Head of Dept.
Office: Room 213, Animal Ind. Bldg.

FIRST TERM

Course 622—Advanced Biochemical Problems. (0-18)	2	
1	Hours to be arranged.	
Course 675—Research in Biochemistry and Nutrition. Credit 1 to 8.		
1	Hours to be arranged.	

SECOND TERM

Course 622—Advanced Biochemical Problems. (0-18)	2	
1	Hours to be arranged.	
Course 675—Research in Biochemistry and Nutrition. Credit 1 to 8.		
1	Hours to be arranged.	

Section Theory Practice

BIOLOGY (Biol.)

C. C. DOAK, Head of Dept.
Office: Room 26, Science Hall

FIRST TERM

- Course 101—General Botany of Seed Plants. (9-12) 4
1 Daily 7-8:15 MTWTh2-5
Course 106—General Zoology. (6-12) 3
1 Daily 7-8 MTWTh2-5
Course 206—Introductory Bacteriology. (6-12) 3
1 Daily 7-8 Daily 9-11
Course 217—Comparative Anatomy of Vertebrates. (6-12) 3
1 Daily 7-8 MWFTh2-5
Course 419—Seminar in Zoology. (3-0) 1
1 Hours to be arranged.
Course 603—Advanced Vertebrate Zoology. (3-15) 3
1 MWF10 MTWThF2-5
Course 619—Advanced Systematic Botany. (6-18) 4
1 Daily 8-9 MTWTh1-5F1-3
Course 621—Research. Credit 1 to 4.
1 Hours to be arranged.

SECOND TERM

- Course 107—Animal Biology. (6-12) 3
1 Daily 7-8 MTWTh2-5
Course 206—Introductory Bacteriology. (6-12) 3
1 Daily 9-10 Daily 7-9
Course 218—Comparative Anatomy of Vertebrates. (6-12) 3
1 Daily 10-11 TWThF2-5
Course 349—Field Taxonomy. (6-12) 3
1 Hours to be arranged.
Course 420—Seminar in Zoology. (3-0) 1
1 Hours to be arranged.
Course 604—Advanced Embryology. (3-15) 3
1 MWF11 MTWThF2-5
Course 621—Research. Credit 1 to 4.
1 Hours to be arranged.

BUSINESS AND ACCOUNTING

T. W. LELAND, Head of Dept.
Office: Room 22, Bldg. A

ACCOUNTING (Acct.)

FIRST TERM

- Course 101—Principles of Accounting. (9-9) 4
1 Daily 11-12:15 MWF2-5
Course 102—Principles of Accounting. (9-9) 4
1 Daily 7-8:15 TThF2-5
Course 201—Intermediate Accounting. (9-9) 4
1 Daily 9-10:15 MWF2-5
Course 301—Advanced Accounting. (9-9) 4
1 Daily 9-10:15 MTh2-5
Course 409—Survey of Accounting Principles. (9-0) 3
1 Daily 7-8:15 _____
2 Daily 11-12:15 _____

Section Theory Practice

- Course 601—Statement Analysis. (9-9) 4
1 Hours to be arranged.
Course 605—Accounting Problems. (6-9) 3
1 Hours to be arranged.
Course 614—Specialized Accounting. (3-9) 2
1 Hours to be arranged.

SECOND TERM

- Course 102—Principles of Accounting. (9-9) 4
1 Daily 7-8:15 MWF2-5
Course 202—Intermediate Accounting. (9-9) 4
1 Daily 7-8:15 MWF2-5
Course 302—Advanced Accounting. (9-9) 4
1 Daily 9-10:15 TThF2-5
Course 409—Survey of Accounting Principles. (9-0) 3
1 Daily 11-12:15 _____
Course 606—Accounting Problems. (6-9) 3
1 Daily 8-9 MWFTh2-5
Course 611—Research and Thesis Problems. Credit 2 to 6.
1 Hours to be arranged.

BUSINESS (Bus.)

FIRST TERM

- Course 303—Statistical Method. (9-9) 4
1 Daily 7-8:15 MWF2-5
Course 304—Business Cycles and Business Measurements. (9-0) 3
1 Daily 9-10:15 _____
Course 305—Business Law. (9-0) 3
1 Daily 11-12:15 _____
2 Daily 7-8:15 _____
Course 306—Business Law. (9-0) 3
1 Daily 9-10:15 _____
Course 315—Insurance. (9-0) 3
1 Daily 11-12:15 _____
Course 316—Office Management. (9-0) 3
1 Daily 7-8:15 _____
Course 422—Personnel Problems of Industry. (9-0) 3
1 Daily 9-10:15 _____
Course 428—Real Estate Titles and Conveyances. (9-0) 3
1 Daily 9-10:15 _____
Course 435—Salesmanship. (9-0) 3
1 Daily 11-12:15 _____
Course 436—Sales Management. (9-0) 3
1 Daily 7-8:15 _____
Course 619—Legal Principles Relating to Accounting. (9-0) 3
1 Daily 9-10:15 _____
Course 620—Law and Business. (9-0) 3
1 Daily 11-12:15 _____

SECOND TERM

- Course 206—Purchasing and Control of Materials. (9-0) 3
1 Daily 7-8:15 _____
Course 208—Advertising. (9-0) 3
1 Daily 9-10:15 _____
Course 303—Statistical Method. (9-9) 4
1 Daily 11-12:15 MWF2-5
Course 304—Business Cycles and Business Measurements. (9-0) 3
1 Daily 7-8:15 _____
Course 305—Business Law. (9-0) 3
1 Daily 9-10:15 _____
2 Daily 11-12:15 _____

Section	Theory	Practice
Course 306—Business Law. (9-0)	3	
1	Daily 7-8:15	
Course 418—Corporation Finance. (9-0)	3	
1	Daily 9-10:15	
Course 420—Principles of Investment. (9-0)	3	
1	Daily 11-12:15	
Course 604—Statistics. (9-6)	4	
1	Daily 7-8:15	TTh2-5
Course 622—Trade Regulations. (9-0)	3	
1	Daily 9-10:15	

CHEMICAL ENGINEERING (Ch.E.)

J. D. LINDSAY, Head of Dept.
Office: Room 308, Pet.E. Bldg.

FIRST TERM

Course 204—Elementary Chemical Engineering. (9-0)	3	
1	Daily 7-8:15	
Course 303—Elementary Chemical Engineering. (9-0)	3	
1	Daily 9-10:15	
Course 304—Unit Operations. (9-0)	3	
1	Daily 11-12:15	
Course 409—Oil and Gas Technology. (9-0)	3	
1	Daily 7-8:15	
Course 423—Unit Operations. (9-0)	3	
1	Daily 9-10:15	

SECOND TERM

Course 426—Plant Design. (6-18)	4	
1	Daily 8-9	MTWTh1-5F1-3

CHEMISTRY (Chem.)

F. W. JENSEN, Head of Dept.
Office: Room 116, Chemistry Bldg.

FIRST TERM

Course 101—General Chemistry. (9-9)	4	
1	Daily 8-9 and MWF7-8	MW1-5:30
Course 102—General Chemistry. (9-9)	4	
1	Daily 7-8 and MWF8-9	MW1-5:30
2	Daily 7-8 and TThS8-9	TTh1-5:30
Course 205—Qualitative Analysis. (9-18)	5	
1	Daily 9-10:15	MTWTh1-5:30
Course 206a—Organic Chemistry. (9-0)	3	
1	Daily 10-11 and MWF9-10	
2	Daily 10-11 and TThS9-10	
Course 207—Elementary Quantitative Analysis. (6-9)	3	
1	Daily 11-12	WF1-5:30
Course 218—Quantitative Analysis. (6-18)	4	
1	Daily 8-9	MTWTh1-5:30
Course 223—Elementary Quantitative Analysis. (6-9)	3	
1	Daily 9-10	TTh1-5:30
2	Daily 9-10	WF1-5:30
Course 301—Organic Chemistry. (9-12)	4	
1	Daily 9-10:15	MWF1-5
Course 323—Physical Chemistry. (9-9)	4	
1	Daily 11-12:15	TTh1-5:30
Course 443—Animal Biochemistry. (9-9)	4	
1	Hours to be arranged.	

Section	Theory	Practice
SECOND TERM		

Course 102—General Chemistry. (9-9)	4	
1	Daily 7-8 and MWF8-9	MW1-5:30
Course 206a—Organic Chemistry. (9-0)	3	
1	Daily 9-10 and MWF10-11	
2	Daily 9-10 and TThS10-11	
Course 207—Elementary Quantitative Analysis. (6-9)	3	
1	Daily 11-12	TTh1-5:30
Course 216—Quantitative Analysis. (6-24)	5	
1	Daily 8-9	MTWThF1-5:45
Course 223—Elementary Quantitative Analysis. (6-9)	3	
1	Daily 7-8	TTh1-5:30
2	Daily 7-8	WF1-5:30
Course 302—Organic Chemistry. (9-12)	4	
1	Daily 11-12:15	MWF1-5
Course 324—Physical Chemistry. (9-9)	4	
1	Daily 7-8:15	TTh1-5:30
Course 344—Physical Chemistry. (9-0)	3	
1	Daily 9-10:15	

CIVIL ENGINEERING (C.E.)

S. R. WRIGHT, Head of Dept.
Office: Room 14, Nagle Hall

FIRST TERM

Course 206—Plane Surveying. (3-9)	2	
1	MWF1	MWF2-5
Course 300s—Summer Surveying Practice. Credit 4.		
1		MTWThF9-5
Course 305—Mechanics of Materials. (12-0)	4	
1	Daily 7-9	
Course 315—Strength of Materials Laboratory. (0-6)	1	
1		MWF1-3
Course 344—Mechanics of Reinforced Concrete. (6-0)	2	
1	Daily 11-12	
Course 345—Structural Analysis. (9-0)	3	
1	Daily 9-10:15	
Course 346—Structural Design. (9-9)	4	
1	Daily 7-8:15	TTh1-5:30
Course 443—Materials of Construction. (0-12)	1	
1		MWF1-5
Course 467—Steel Bridge Structures. (6-9)	3	
1	Daily 11-12	MWF2-5
Course 478—Construction Methods. (9-0)	3	
1	Daily 9-10:15	

SECOND TERM

Course 300s—Summer Surveying Practice. Credit 4.		
1		MTWThF9-5
Course 305—Mechanics of Materials. (12-0)	4	
1	Daily 9-11	
Course 414—Reinforced Concrete Design. (6-9)	3	
1	Daily 11-12	MWF2-5
Course 448—Engineering Economy. (9-0)	3	
1	Daily 7-8:15	
Course 465—Foundations. (9-0)	3	
1	Daily 7-8:15	

Section Theory Practice
DAIRY HUSBANDRY (D. H.)
 I. W. RUPEL, Head of Dept.
 Office: Room 213, Agricultural Bldg.

FIRST TERM

Course 202—Dairying. (6-6) 3
 1 Daily 8-9 TTh2-5
 Course 423—Special Problems in Dairy
 Production. Credit 3.
 1 (3 weeks: June 26-July 15)
 Hours to be arranged.
 Course 451—Special Problems. Credit
 1 to 4.
 1 Hours to be arranged.
 Course 605—Research in Dairy Production.
 Credit 2 to 6.
 1 Hours to be arranged.
 Course 607—Research in Dairy Manu-
 factures and Plant Sanitation.
 Credit 2 to 6.
 1 Hours to be arranged.

SECOND TERM

Course 452—Special Problems.
 Credit 1 to 4.
 1 Hours to be arranged.
 Course 605—Research in Dairy Production.
 Credit 2 to 6.
 1 Hours to be arranged.
 Course 607—Research in Dairy Manufac-
 tures and Plant Sanitation.
 Credit 2 to 6.
 1 Hours to be arranged.

ECONOMICS (Econ.)

W. H. DELAPLANE, Head of Dept.
 Office: Room 309, Academic Bldg.

FIRST TERM

Course 203—Principles of Economics.
 (9-0) 3
 1 Daily 7-8:15
 Course 311—Money and Banking. (9-0) 3
 1 Daily 9-10:15
 Course 318—Labor Problems. (9-0) 3
 1 Daily 11-12:15
 Course 319—Economic Development of the
 United States. (9-0) 3
 1 Daily 9-10:15
 Course 403—Principles of Economics.
 (9-0) 3
 1 Daily 9-10:15
 2 Daily 11-12:15

SECOND TERM

Course 204—Principles of Economics.
 (9-0) 3
 1 Daily 7-8:15
 Course 311—Money and Banking. (9-0) 3
 1 Daily 9-10:15
 Course 324—Comparative Economic
 Systems. (9-0) 3
 1 Daily 11-12:15
 Course 403—Principles of Economics.
 (9-0) 3
 1 Daily 9-10:15
 2 Daily 7-8:15
 Course 412—Public Finance. (9-0) 3
 1 Daily 11-12:15
 Course 609—Research and Thesis.
 Credit 2 to 4.
 1 Hours to be arranged.

Section Theory Practice
EDUCATION AND PSYCHOLOGY
 G. B. WILCOX, Head of Dept.
 Office: Room 102, Academic Bldg.

EDUCATION (Educ.)

FIRST TERM

Course 321—Secondary School Methods.
 (9-0) 3
 1 Daily 11-12:15
 Course 322—Secondary School Adminis-
 tration. (9-0) 3
 1 Daily 7-8:15
 Course 426—High School Tests and
 Measurements. (9-0) 3
 1 Daily 11-12:15
 Course 433—Improvement of Reading,
 Spelling, and Speech. Credit 3.
 1 (First 3 weeks) Hrs. to be arranged.
 Course 434—Improvement of Reading,
 Spelling, and Speech. Credit 3.
 1 (Second 3 weeks) Hours to be
 arranged.
 Course 435—Audio-Visual Education.
 (9-0) 3
 1 Daily 9-10:15
 Course 607—Programs and Procedures in
 Supervision. (6-0) 2
 1 Daily 11-12
 Course 610—Pupil Accounting. (6-0) 2
 1 MTWThF1-2:15
 Course 613—The School Plant. (9-0) 3
 1 Daily 7-8:15
 Course 619—Resources Use Education.
 (12-0) 4
 1 Daily 9-11
 Course 622—The Junior College. (9-0) 3
 1 Daily 9-10:15

SECOND TERM

Course 321—Secondary School Methods.
 (9-0) 3
 1 Daily 9-10:15
 Course 322—Secondary School Adminis-
 tration. (9-0) 3
 1 Daily 11-12:15
 Course 427—Administration of Student
 Personnel. (9-0) 3
 1 Daily 7-8:15
 Course 608—Administration of Local
 School Finance. (9-0) 3
 1 Daily 7-8:15
 Course 609—Public School Laws. (6-0) 2
 1 Daily 9-10
 Course 611—The Newer Techniques in
 Teaching. (12-0) 4
 1 Hours to be arranged.
 Course 612—Interpreting the Schools to
 the Public. (6-0) 2
 1 Daily 10-11
 Course 614—State School Finance.
 (6-0) 2
 1 Daily 11-12
 Course 616—Administration of Teacher-
 Personnel. (6-0) 2
 1 MTWThF1-2:15

PSYCHOLOGY (Psy.)

FIRST TERM

Course 207—General Psychology. (9-0) 3
 1 Daily 7-8:15
 Course 301—Educational Psychology.
 (9-0) 3
 1 Daily 9-10:15

Section	Theory	Practice
SECOND TERM		
Course 303—Psychology for Technical Students. (9-0) 3		
1	Daily 7-8:15	—
Course 402—Advanced Educational Psychology. (9-0) 3		
1	Daily 9-10:15	—

ELECTRICAL ENGINEERING (E.E.)

M. C. HUGHES, Head of Dept.
Office: Room 114, Bolton Hall

FIRST TERM

Course 305—Electrical Machinery. (9-9) 4		
1	Daily 7-8:15	TTh1-5:30
Course 307—Electrical Machinery. (9-9) 4		
1	Daily 11-12:15	MWF1-4
Course 315—Alternating Currents. (9-18) 5		
1	Daily 7-8:15	MWF9-11; 1-5
Course 316a—Circuit and Field Theory. (6-2) 2		
1	Daily 7-8	WF8-9
Course 318a—Electrical Measurements. (2-6) 1		
1	TTh1-2	TTh2-5
Course 320—Electronic Equipment. (9-9) 4		
1	Daily 11-12:15	MWF2-5
Course 401a—Alternating Current Machinery. (6-0) 2		
1	Daily 9-10	—
Course 402a—Alternating Current Machinery. (6-0) 2		
1	Daily 9-10	—
Course 403a—Alternating Current Laboratory. (1-8) 1		
1	One hour to be arranged.	TTh1-5
Course 404a—Alternating Current Laboratory. (2-10) 2		
1	2 hrs. to be arranged.	MW10-11; 1-5
Course 415—Transmission Networks. (9-9) 4		
1	Daily 7-8:15	MWF2-5
Course 432—Public Utility Problems. (9-0) 3		
1	Daily 7-8:15	—
Course 607—Advanced Alternating Current Machinery. (6-18) 4		
1	Daily 11-12	MTWTh1-5F1-3
Course 617—Research in Electrical Engineering. Credit 2 to 4.		
1	Hours to be arranged.	—

SECOND TERM

Course 208—Direct Current Machinery. (9-12) 4		
1	Daily 9-10:15	MWF1-5
Course 308—Electrical Machinery. (9-9) 4		
1	Daily 9-10:15	MWF2-5
2	Daily 7-8:15	TTh1-5:30
Course 316b—Circuit and Field Theory. (6-4) 3		
1	Daily 7-8	MTWTh8-9
Course 318b—Electrical Measurements. (1-6) 1		
1	T1	TTh2-5

Section	Theory	Practice
Course 401b—Alternating Current Machinery. (6-0) 2		
1	Daily 7-8	—
Course 402b—Alternating Current Machinery. (6-0) 2		
1	Daily 9-10	—
Course 403b—Alternating Current Laboratory. (2-10) 2		
1	2 hrs. to be arranged.	WF8-9; TF1-5
Course 404b—Alternating Current Laboratory. (1-8) 1		
1	One hour to be arranged.	MW1-5
Course 436—Electrical Equipment for Buildings. (9-0) 3		
1	Daily 9-10:15	—
Course 503—Radiation and Propagation. (9-0) 3		
1	Daily 7-8:15	—
Course 610—Advanced Communication Engineering - Radio. (9-9) 4		
1	Daily 7-8:15	TTh1-5:30
Course 611—Symmetrical Components Applied to Electrical Engineering. (9-12) 4		
1	Daily 9-10:15	MWF1-5
Course 617—Research in Electrical Engineering. Credit 2 to 4.		
1	Hours to be arranged.	—
Course 626—Introduction to Electron Tube Design. (12-0) 4		
1	Daily 9-11	—

ENGINEERING DRAWING (E.D.)

W. E. STREET, Head of Dept.
Office: Room E, Anchor Hall

FIRST TERM

Course 111—Engineering Drawing. (0-18) 2		
1	Hours to be arranged.	—
Course 112—Engineering Drawing. (0-12) 1		
1	Hours to be arranged.	—
Course 124—Descriptive Geometry. (6-6) 3		
1	Hours to be arranged.	—
Course 127—Industrial Freehand Sketching. (3-9) 2		
1	Hours to be arranged.	—
Course 402—Advanced Graphics. (6-0) 2		
1	Hours to be arranged.	—
Course 601—Advanced Industrial Drawing. (6-6) 3		
1	Hours to be arranged.	—

SECOND TERM

Course 111—Engineering Drawing. (0-18) 2		
1	Hours to be arranged.	—
Course 112—Engineering Drawing. (0-12) 1		
1	Hours to be arranged.	—
Course 124—Descriptive Geometry. (6-6) 3		
1	Hours to be arranged.	—
Course 128—Methods of Industrial Reproduction. (0-6) 1		
1	Hours to be arranged.	—
Course 603—Advanced Machine Drawing. (3-15) 3		
1	Hours to be arranged.	—

Section Theory Practice
ENGLISH (Engl.)
 T. F. MAYO, Head of Dept.
 Office: Room 317, Academic Bldg.

FIRST TERM

Course 103—Composition and Rhetoric.
 (9-0) 3
 1 Daily 7-8:15 _____

Course 104—Composition and Rhetoric.
 (9-0) 3
 1 Daily 9-10:15 _____
 2 Daily 11-12:15 _____

Course 203—Composition and Literature.
 (6-0) 2
 1 Daily 7-8 _____
 2 Daily 8-9 _____
 3 Daily 9-10 _____
 4 Daily 10-11 _____
 5 Daily 11-12 _____

Course 210—Writing and Discussion
 (6-0) 2
 1 Daily 8-9 _____
 2 Daily 10-11 _____

Course 212—Shakespeare. (9-0) 3
 1 Daily 9-10:15 _____

Course 301—Writing for Professional Men. (9-0) 3
 1 Daily 7-8:15 _____
 2 Daily 9-10:15 _____
 3 Daily 11-12:15 _____

Course 340—Modern Drama. (9-0) 3
 1 Daily 11-12:15 _____

Course 375—Great American Writers.
 (6-0) 2
 1 Daily 10-11 _____

Course 401—Public Speaking. (0-6) 1
 1 _____ Daily 7-8
 2 _____ Daily 8-9
 3 _____ Daily 9-10
 4 _____ Daily 10-11
 5 _____ Daily 11-12
 6 _____ Daily 12-1
 7 _____ Daily 7-8
 8 _____ Daily 9-10

Course 403—Speaking for Professional Men. (3-6) 2
 1 Daily 7:50-8:15 Daily 7-7:50
 2 Daily 7:50-8:15 Daily 7-7:50
 3 Daily 9:50-10:15 Daily 9-9:50
 4 Daily 9:50-10:15 Daily 9-9:50
 5 Daily 11:50-12:15 Daily 11-11:50
 6 Daily 11:50-12:15 Daily 11-11:50

SECOND TERM

Course 103—Composition and Rhetoric.
 (9-0) 3
 1 Daily 7-8:15 _____

Course 104—Composition and Rhetoric.
 (9-0) 3
 1 Daily 9-10:15 _____
 2 Daily 11-12:15 _____

Course 203—Composition and Literature.
 (6-0) 2
 1 Daily 8-9 _____

Course 210—Writing and Discussion.
 (6-0) 2
 1 Daily 7-8 _____
 2 Daily 9-10 _____

Course 301—Writing for Professional Men. (9-0) 3
 1 Daily 7-8:15 _____
 2 Daily 7-8:15 _____
 3 Daily 9-10:15 _____
 4 Daily 9-10:15 _____
 5 Daily 11-12:15 _____
 6 Daily 11-12:15 _____

Section Theory Practice
Course 319—Report Writing. (3-0) 1
 1 MWF10-11 _____

Course 371—Great Books. (9-0) 3
 1 Daily 9-10:15 _____

Course 401—Public Speaking. (0-6) 1
 1 _____ Daily 7-8
 2 _____ Daily 9-10
 3 _____ Daily 11-12

Course 403—Speaking for Professional Men. (3-6) 2
 1 Daily 7:50-8:15 Daily 7-7:50
 2 Daily 7:50-8:15 Daily 7-7:50
 3 Daily 9:50-10:15 Daily 9-9:50
 4 Daily 9:50-10:15 Daily 9-9:50
 5 Daily 11:50-12:15 Daily 11-11:50
 6 Daily 11:50-12:15 Daily 11-11:50
 7 Daily 11:50-12:15 Daily 11-11:50

ENTOMOLOGY (Ento.)

H. G. JOHNSTON, Head of Dept.
 Office: Room 100, Old Agr. Exp. Sta. Bldg.

FIRST TERM

Course 402—Agricultural Pests. (6-9) 3
 1 Daily 11-12 MWF2-5

Course 417—Special Problems. Credit 1 to 4.
 Hours to be arranged.

Course 608—Economic Entomology. (9-9) 4
 1 Daily 9-10:15 TThF2-5

Course 611—Research. Credit 2 to 6.
 1 Hours to be arranged.

SECOND TERM

Course 418—Special Problems. Credit 1 to 4.
 Hours to be arranged.

Course 611—Research. Credit 2 to 6.
 1 Hours to be arranged.

GENETICS (Gen.)

C. B. GODBEY, Head of Dept.
 Office: Room 303, Animal Ind. Bldg.

FIRST TERM

Course 301—Genetics. (9-6) 4
 1 Daily 7-8:15 MW2-5
 2 Daily 9-10:15 TTh2-5

Course 406—Biometry—Experimental Technique. (6-9) 3
 1 Daily 11-12 MWF2-5

SECOND TERM

No courses are to be offered.

GEOGRAPHY (Geog.)

G. W. SCHLESSELMAN, Head of Dept.
 Office: Room 112, Chemistry Bldg.

FIRST TERM

No courses are to be offered.

SECOND TERM

Course 201—Principles of Geography. (9-0) 3
 1 Daily 9-10:15 _____

Section Theory Practice

GEOLOGY (Geol.)

S. A. LYNCH, Head of Dept.
Office: Room 121, Geology Bldg.

FIRST TERM

- Course 203—Mineralogy and Rock Study. (6-18) 4
1 Daily 8-9 MTWTh1-5F1-3
Course 299—Field Geology. Credit 3.
1 Junction, Texas, Field Camp (First three weeks) Hours to be arranged.
Course 300—Field Geology. Credit 6.
1 Junction, Texas, Field Camp Hours to be arranged.
Course 605—Special Geology. Credit 2 to 6.
1 Hours to be arranged.
Course 623—Research. Credit 1 to 6.
1 Hours to be arranged.
Course 645—Cenozoic Stratigraphy. Credit 3.
1 Hours to be arranged.
Course 646—Gulf Coast Stratigraphy. Credit 3.
1 Hours to be arranged.

SECOND TERM

- Course 204—Mineralogy and Rock Study. (3-9) 2
1 MWFS MWF2-5
Course 210—Historical Geology. (9-9) 4
1 Daily 9-10:15 TTh1-5:30
Course 300—Field Geology. Credit 6.
1 Hours to be arranged.
Course 399—Field Geology of the Gulf Coast Tertiary. Credit 6.
1 Hours to be arranged.
Course 605—Special Geology. Credit 2 to 6.
1 Hours to be arranged.
Course 623—Research. Credit 1 to 6.
1 Hours to be arranged.
Course 641—Advanced Tertiary Field Geology. Credit 6.
1 Hours to be arranged.

HISTORY (Hist.)

S. R. GAMMON, Head of Dept.
Office: Room 211, Academic Bldg.

FIRST TERM

- Course 105—History of the United States. (9-0) 3
1 Daily 9-10:15
Course 306—American National Government. (9-0) 3
1 Daily 11-12:15
2 Daily 7-8:15
3 Daily 9-10:15
Course 307—State and Local Government. (9-0) 3
1 Daily 7-8:15
2 Daily 9-10:15
3 Daily 11-12:15

SECOND TERM

- Course 106—History of the United States. (9-0) 3
1 Daily 7-8:15
2 Daily 9-10:15

Section Theory Practice

Course 306—American National Government. (9-0) 3

- 1 Daily 7-8:15
2 Daily 9-10:15
3 Daily 11-12:15

Course 307—State and Local Government. (9-0) 3

- 1 Daily 7-8:15
2 Daily 9-10:15
3 Daily 11-12:15

HORTICULTURE (Hort.)

FRED R. BRISON, Acting Head of Dept.
Office: Room 307, Agricultural Bldg.

FIRST TERM

- Course 319—Orchard Management. (6-6) 3
1 Daily 11-12 TTh2-5
Course 601—Problems in Fruit Production. (9-9) 4
1 Daily 7-8:15 MWF2-5
Course 603—Vegetable Crops. (9-9) 4
1 Daily 9-10:15 TTh1-5:30
Course 605—Fruit and Vegetable Products. (9-9) 4
1 Daily 11-12:15 MWF2-5

SECOND TERM

- Course 602—Problems in Fruit Production. (9-9) 4
1 Daily 7-8:15 MWF2-5
Course 604—Vegetable Crops. (9-9) 4
1 Daily 9-10:15 TTh1-5:30

INDUSTRIAL EDUCATION (I.Ed.)

C. H. GRONEMAN, Head of Dept.
Office: Room 105, M. E. Shops

FIRST TERM

- Course 105—Woodcraft. (3-15) 3
1 Hours to be arranged.
Course 327—Industrial Arts Handcraft. (3-15) 3
1 MWF10-11 TThS10-11 and Daily 11-1
Course 415—Practice Teaching. (6-15) 4
1 Daily 8-9 MTWThF2-5
Course 416—Practice Teaching. (6-15) 4
1 Daily 8-9 Hours to be arranged.
Course 601—History of Industrial Education. Credit 2.
1 Hours to be arranged.
Course 604—Industrial Programs for Junior Colleges and Technical Schools. Credit 2.
1 (First 3 weeks) Daily 7-9
Course 611—Industrial Education Problems. (12-0) 4
1 Daily 7-9
Course 616—Methods of Teaching Industrial Arts in Secondary Schools. (6-0) 2
1 Daily 9-10
Course 621—Philosophy of Vocational Education. (6-0) 2
1 (First 3 weeks) Hrs. to be arranged.
Course 625—Seminar in Vocational Industrial Education. (3-0) 1
1 (First 3 weeks) Hrs. to be arranged.

Section	Theory	Practice
SECOND TERM		
Course 404—Visual Aids for Industrial Subjects. (3-6) 2		
1	MWF10	TTh2-5
Course 423—Analysis Procedure. (6-0) 2		
1	Daily 8-9	_____
Course 424—Organization of Instructional Material. (3-6) 2		
1	(Second 3 weeks) Hours to be arranged.	_____
Course 607a—Organization of Industrial Arts Department. (6-0) 2		
1	Daily 11-12	_____
Course 623—Vocational Guidance Procedures. (9-0) 3		
1	Daily 7-8:15	_____

JOURNALISM (Jour.)

D. D. BURCHARD, Head of Dept.
Office: Room 105, Bizzell

FIRST TERM

Course 415—Agricultural Journalism. (6-6) 3		
1	Daily 8-9	MW2-5
2	Daily 10-11	TTh2-5

SECOND TERM

Course 406—Publicity and Public Relations. (9-0) 3		
1	Daily 7-8:15	_____
Course 415—Agricultural Journalism. (6-6) 3		
1	Daily 9-10	MW2-5

LANDSCAPE ART (Land.)

A. F. DEWERTH, Head of Dept.
Office: Room 201, Ag. Eng. Bldg.

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

MANAGEMENT ENGINEERING (Man.E.)

V. M. FAIRES, Head of Dept.
Office: Austin Hall

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

MATHEMATICS (Math.)

W. L. PORTER, Head of Dept.
Office: Room 221, Academic Bldg.

FIRST TERM

Course 101—Algebra. (9-0) 3		
1	Daily 7-8:15	_____
2	Daily 9-10:15	_____

Section	Theory	Practice
Course 102—Algebra. (9-0) 3		
1	Daily 11-12:15	_____
2	Daily 7-8:15	_____
Course 103—Plane Trigonometry. (9-0) 3		
1	Daily 9-11	_____
2	Daily 11-1	_____
Course 104—Analytics. (12-0) 4		
1	Daily 7-9	_____
2	Daily 9-11	_____
Course 110—Survey Course in Mathematics. (9-0) 3		
1	Daily 11-12:15	_____
Course 203—Calculus. (12-0) 4		
1	Daily 7-9	_____
2	Daily 9-11	_____
Course 204—Calculus. (12-0) 4		
1	Daily 11-1	_____
2	Daily 7-9	_____
3	Daily 9-11	_____
4	Daily 11-1	_____
Course 305—Differential Equations. (6-0) 2		
1	Daily 11-12	_____
Course 401—Advanced Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 7-9	_____
Course 409—Advanced Calculus. (12-0) 4		
1	Daily 9-11	_____
Course 601—Higher Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 7-9	_____
Course 602—Higher Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 9-11	_____

SECOND TERM

Course 101—Algebra. (9-0) 3		
1	Daily 7-8:15	_____
Course 102—Algebra. (9-0) 3		
1	Daily 9-10:15	_____
Course 103—Plane Trigonometry. (9-0) 3		
1	Daily 11-12:15	_____
Course 104—Analytics. (12-0) 4		
1	Daily 7-9	_____
2	Daily 9-11	_____
Course 203—Calculus. (12-0) 4		
1	Daily 11-1	_____
2	Daily 7-9	_____
Course 204—Calculus. (12-0) 4		
1	Daily 9-11	_____
2	Daily 11-1	_____
3	Daily 7-9	_____
Course 401—Advanced Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 9-11	_____
Course 601—Higher Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 11-1	_____
Course 603—Seminar Course in Mathematics for Engineers and Physicists. (12-0) 4		
1	Daily 7-9	_____

MECHANICAL ENGINEERING (M.E.)

C. W. CRAWFORD, Head of Dept.
Office: Room 103, Fermier Hall

FIRST TERM

Course 101—Engineering Problems. (3-6) 2		
1	MWF7-8	TThS7-9

Section	Theory	Practice
Course 102—Engineering Problems.		
(3-6) 2		
1	MWF9-10	TThS9-11
2	TThS11-12	MWF11-1
Course 105—Bench Work in Wood.		
(3-18) 3		
1	MWF7-8	Daily 8-11
Course 212—Engineering Mechanics.		
(9-0) 3		
1	Daily 7-8:15	—
2	Daily 9-10:15	—
Course 309—Machine Shop. (0-9) 1		
1	—	MWF2-5
Course 310—Machine Shop. (0-9) 1		
1	—	TTh1-5:30
Course 313—Engineering Mechanics.		
(9-0) 3		
1	Daily 11-12:15	—
2	Daily 7-8:15	—
Course 323—Thermodynamics. (12-0) 4		
1	Daily 9-11	—
2	Daily 7-9	—
Course 328—Thermodynamics. (9-0) 3		
1	Daily 11-12:15	—
Course 329—Advanced Cabinet Making.		
(3-18) 3		
1	MWF1-2	MWF2-5TTh1-5:30
Course 403—Engineering Laboratory.		
(3-9) 2		
1	MWF7-8	MW1-5:30
2	TThS9-10	TTh1-5:30
Course 404—Engineering Laboratory.		
(3-9) 2		
1	MWF9-10	MW1-5:30
Course 417—Power Engineering. (12-0) 4		
1	Daily 9-11	—
Course 436—Heating, Ventilating, and Air Conditioning. (9-0) 3		
1	Daily 11-12:15	—
Course 445—Machine Design. (6-9) 3		
1	Daily 8-9	MWF2-5
Course 446—Machine Design. (6-9) 3		
1	Daily 11-12	TTh1-5:30
Course 449—Seminar. (0-6) 1		
1	—	Daily 8-9
Course 450—Seminar. (0-6) 1		
1	—	Daily 10-11
2	—	Daily 9-10
Course 607—Experimental Engineering Research. Credit 1 to 6.		
1	Hours to be arranged.	
Course 617—Mechanical Vibrations. (12-0) 4		
1	Daily 9-11	—
Course 624—Problems in Mechanical Engineering. Credit 1 to 4.		
1	Hours to be arranged.	

SECOND TERM

Course 102—Engineering Problems.		
(3-6) 2		
1	TThS7-8	MWF7-9
Course 106—Cabinet Making. (3-18) 3		
1	MWF7-8	Daily 8-11
2	MWF1-2	MWF2-5TTh1-5:30
Course 212—Engineering Mechanics.		
(9-0) 3		
1	Daily 7-8:15	—
2	Daily 9-10:15	—
Course 309—Machine Shop. (0-9) 1		
1	—	MWF2-5
Course 310—Machine Shop. (0-9) 1		
1	—	TTh1-5:30
Course 323—Thermodynamics. (12-0) 4		
1	Daily 7-9	—
2	Daily 9-11	—

Section	Theory	Practice
Course 328—Thermodynamics. (9-0) 3		
1	Daily 11-12:15	—
Course 338—Kinematics and Machine Design. (9-9) 4		
1	Daily 11-12:15	MWF2-5
Course 403—Engineering Laboratory.		
(3-9) 2		
1	MWF9-10	MW1-5:30
Course 404—Engineering Laboratory.		
(3-9) 2		
1	TThS7-8	TTh1-5:30
Course 410—Internal Combustion Engines. (9-0) 3		
1	Daily 7-8:15	—
Course 417—Power Engineering. (12-0) 4		
1	Daily 9-11	—
Course 440—Physical Metallurgy. (6-9) 3		
1	Daily 11-12	MWF2-5
Course 444—Fluid Mechanics. (9-0) 3		
1	Daily 9-10:15	—
Course 446—Machine Design. (6-9) 3		
1	Daily 8-9	MWF2-5
Course 450—Seminar. (0-6) 1		
1	—	Daily 11-12
Course 607—Experimental Engineering Research. Credit 1 to 6.		
1	Hours to be arranged.	
Course 615—Advanced Engineering Thermodynamics. (12-0) 4		
1	Daily 9-11	—
Course 624—Problems in Mechanical Engineering. Credit 1 to 4.		
1	Hours to be arranged.	

MODERN LANGUAGES (Lang.)

J. J. WOOLKET, Head of Dept.
Office: Room 119, Academic Bldg.

FIRST TERM

Course 103—Beginning German. (9-0) 3		
1	Daily 7-8:15	—
Course 105—Beginning Spanish. (9-0) 3		
1	Daily 9-10:15	—
Course 203—Intermediate German. (9-0) 3		
1	Daily 9-10:15	—
Course 205—Intermediate Spanish. (9-0) 3		
1	Daily 11-12:15	—

SECOND TERM

Course 104—Beginning German. (continued) (9-0) 3		
1	Daily 7-8:15	—
Course 106—Beginning Spanish. (continued) (9-0) 3		
1	Daily 9-10:15	—
Course 204—Intermediate German. (continued) (9-0) 3		
1	Daily 9-10:15	—
Course 206—Intermediate Spanish. (continued) (9-0) 3		
1	Daily 11-12:15	—

MUNICIPAL AND SANITARY ENGINEERING (M.S.E.)

S. R. WRIGHT, Head of Dept.
Office: Room 14, Nagle Hall

FIRST TERM

Course 402—Water Supply and Purification. (9-0) 3		
1	Daily 7-8:15	—

Section Theory Practice

SECOND TERM
 Course 408—Municipal Administration.
 (9-0) 3
 1 Daily 9-10:15

OCEANOGRAPHY (Ocn.)
 D. F. LEIPPER, Head of Dept.
 Office: Room 357, Bizzell

FIRST TERM
 No courses are to be offered.

SECOND TERM
 No courses are to be offered.

PETROLEUM ENGINEERING (Pet.E.)
 HAROLD VANCE, Head of Dept.
 Office: Room 106, Pet. E. Bldg.

FIRST TERM
 Course 306—Petroleum Production
 Methods. (9-0) 3
 1 Daily 9-10:15
 Course 308—Petroleum Production
 Laboratory. (0-9) 1 MW1-5:30
 Course 619—Petroleum Research.
 Credit 2 to 6.
 1 Hours to be arranged.

SECOND TERM
 Course 601—Petroleum Engineering
 Problems. (9-9) 4 MWF2-5
 1 Daily 9-10:15
 Course 619—Petroleum Research.
 Credit 2 to 6.
 1 Hours to be arranged.

PHYSICAL EDUCATION (P.E.)
 C. E. TISHLER, Head of Dept.
 Office: Gymnasium

FIRST TERM
 Course 413—Administrative Problems in
 Physical Education. (3-9) 2 MWF8-9 MWF2-5
 1 MWF8-9
 Course 415—Health Education. (9-0) 3
 1 Daily 9-10:15

SECOND TERM
 Course 414—Administrative Problems in
 Physical Education. (3-9) 2 MWF9 MWF2-5
 1 MWF9
 Course 416—Athletic Training. (9-0) 3
 1 Daily 7-8:15

PHYSICS (Phys.)
 J. G. POTTER, Head of Dept.
 Office: Room 22, Physics Bldg.

FIRST TERM
 Course 201—College Physics. (9-9) 4
 1 Daily 7-8:15 MWF2-5
 Course 203—General Physics. (12-9) 5
 1 Daily 9-11 MWF2-5

Section Theory Practice

Course 204—General Physics. (12-9) 5
 1 Daily 7-9 MWF2-5
 Course 213—Physics for Students of
 Agriculture. (6-6) 3
 1 Daily 7-8 Daily 8-9
 Course 311—Atomic Physics. (9-0) 3
 1 Daily 11-12:15
 Course 603—Advanced Electrodynamics.
 (12-0) 4
 1 Hours to be arranged.
 Course 614a—Molecular Structure. (4-4) 2
 1 MTWTh11-12 TTh2-4

SECOND TERM
 Course 202—College Physics. (9-9) 4
 1 Daily 9-10:15 MWF2-5
 Course 204—General Physics. (12-9) 5
 1 Daily 7-9 MWF2-5
 Course 223—Supplementary General
 Physics. (12-0) 4
 1 Daily 9-11
 Course 402—Electricity and Magnetism.
 (9-9) 4
 1 Daily 7-8:15 MWF2-5
 Course 601—Analytical Mechanics.
 (12-0) 4
 1 Daily 9-11
 Course 614b—Molecular Structure.
 (5-5) 2
 1 MTWThF11-12 T2-5Th2-4

PLANT PHYSIOLOGY AND
 PATHOLOGY (P.P.P.)

A. A. DUNLAP, Head of Dept.
 Office: Room 105, Old Exp. Sta. Bldg.

FIRST TERM
 Course 301—Plant Pathology. (6-9) 3
 1 Daily 8-9 MWF2-5
 Course 313—Introduction to Plant
 Physiology. (6-9) 3
 1 Daily 9-10 MWF2-5
 Course 612—Phytohormones and Plant
 Growth Regulators. (6-0) 2
 1 Hours to be arranged.
 Course 615—Special Problems. Credit 1 to 4.
 1 Hours to be arranged.
 Course 649—Seminar. (3-0) 1
 1 MWF10-11
 Course 673—Research. Credit 2 to 6.
 1 Hours to be arranged.

SECOND TERM
 Course 649—Seminar. (3-0) 1
 1 MWF8-9
 Course 673—Research. Credit 2 to 6.
 1 Hours to be arranged.

POULTRY HUSBANDRY (P.H.)

J. H. QUISENBERRY, Head of Dept.
 Office: Room 300, Agricultural Bldg.

FIRST TERM
 Course 303—Turkey Production. (6-0) 2
 1 Daily 8-9

SECOND TERM
 Course 201—Poultry Production. (6-6) 3
 1 Daily 8-9 MW2-5
 2 Daily 8-9 TTh2-5

Section Theory Practice

RANGE AND FORESTRY (R.F.)

V. A. YOUNG, Head of Dept.
Office: Second Floor, Ag. Eng. Bldg.

FIRST TERM

- Course 304—Range Management. (6-9) 3
1 Daily 8-9 MWF2-5
Course 408—Range Problems. Credit 1 to 3.
1 Hours to be arranged.
Course 419—Farm Forestry. Credit 3.
1 Hours to be arranged.
Course 411—Field Range Management.
Credit 3.
1 Hours to be arranged.
Course 601—Range Research. Credit 1 to 8.
1 Hours to be arranged.
Course 605—Range Research Methods.
Credit 2 to 6.
1 Hours to be arranged.
Course 607—Vegetation Influences.
(6-0) 2
1 Daily 10-11
Course 608—Range Studies. Credit 1 to 4.
1 Hours to be arranged.

SECOND TERM

- Course 601—Range Research. Credit 1 to 8.
1 Hours to be arranged.
Course 605—Range Research Methods.
Credit 2 to 6.
1 Hours to be arranged.
Course 608—Range Studies. Credit 1 to 4.
1 Hours to be arranged.

RELIGIOUS EDUCATION (Rel.)

NORMAN ANDERSON, in Charge of Dept.
Office: Y.M.C.A.

FIRST TERM

- Course 305—Old Testament Character
Studies. (3-0) 1
1 MWF8-9
Course 312—The Gospel of John. (3-0) 1
1 TThS10-11
Course 313—Survey of New Testament.
(6-0) 2
1 Daily 9-10
Course 320—The Book of Revelation.
(3-0) 1
1 MWF10-11
Course 323—The Life of Jesus. (9-0) 3
1 Daily 7-8:15

SECOND TERM

- Course 313—Survey of New Testament.
(6-0) 2
1 Daily 9-10
Course 320—The Book of Revelation.
(3-0) 1
1 MWF10-11
Course 323—The Life of Jesus. (9-0) 3
1 Daily 7-8:15

VETERINARY ANATOMY (V.A.)

J. H. MILLIFF, Head of Dept.
Office: Room 103, Francis Hall

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

Section Theory Practice

VETERINARY BACTERIOLOGY AND
HYGIENE (V.B.H.)

R. C. DUNN, Head of Dept.
Office: Veterinary Hospital

FIRST TERM

- Course 444a—Veterinary Laboratory
Diagnosis. (1-6) 1
1 M11-12 MWF3-5
Course 491—Animal Hygiene. (6-6) 3
1 Daily 9-10 TTh2-5
Course 492—Food Hygiene. (6-6) 3
1 Daily 7-8 TTh2-5

SECOND TERM

- Course 444b—Veterinary Laboratory
Diagnosis. (2-6) 1
1 MW11-12 MWF3-5

VETERINARY MEDICINE AND
SURGERY (V.M.S.)

A. A. LENERT, Head of Dept.
Office: Veterinary Hospital

FIRST TERM

- Course 361—Veterinary General Surgery.
(9-0) 3
1 Daily 7-8:15
Course 471a—Veterinary Clinics. (0-18) 2
1 MTWTh1-4F1-5S10-12

SECOND TERM

- Course 362—Veterinary General Surgery.
(9-0) 3
1 Daily 7-8:15
Course 471b—Veterinary Clinics. (0-18) 2
1 MTWTh1-4F1-5S10-12

VETERINARY PARASITOLOGY (V.PAR.)

R. D. TURK, Head of Dept.
Office: Room 102, Francis Hall

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

VETERINARY PATHOLOGY (V.PAT.)

HILTON A. SMITH, Head of Dept.
Office: Veterinary Hospital

FIRST TERM

- Course 341a—Veterinary Special Pathology.
(1-6) 1
1 W11 MWF1-3
Courses 643, 644, 645, 646, 647, 648, 650,
658, 660 are to be offered at hours to
be arranged.

SECOND TERM

- Course 341b—Veterinary Special Pathology.
(2-6) 1
1 TTh11 MWF1-3
Courses 643, 644, 645, 646, 647, 648, 650,
658, 660 are to be offered at hours to
be arranged.

Section	Theory	Practice
VETERINARY PHYSIOLOGY AND PHARMACOLOGY (V.P.P.)		
P. W. BURNS, Head of Dept. Office: Veterinary Hospital		
FIRST TERM		
Course 321—Physiology of Farm Animals.		
1	(6-6) 3 Daily 9-10	MWF1-3
SECOND TERM		
No courses are to be offered.		

Section	Theory	Practice
WILDLIFE MANAGEMENT (W.M.)		
W. B. DAVIS, Head of Dept. Office: Third Floor, Ag. En. Bldg.		
FIRST TERM		
Course 670—Thesis. Credit 1 to 8.		
1	Hours to be arranged.	
Course 673—Research on Wildlife		
1	Problems. Credit 2 to 6.	
1	Hours to be arranged.	
SECOND TERM		
Course 300—Field Studies. Credit 4.		
1	Hours to be arranged.	
Course 670—Thesis. Credit 1 to 8.		
1	Hours to be arranged.	
Course 673—Research on Wildlife		
1	Problems. Credit 2 to 6.	
1	Hours to be arranged.	



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