



Summer Session

THE AGRICULTURAL AND MECHANICAL COLLEGE
OF TEXAS

1952

BULLETIN
OF THE
AGRICULTURAL AND MECHANICAL
COLLEGE OF TEXAS

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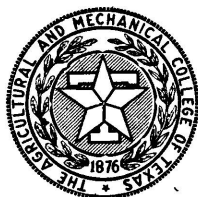
January 1, 1952

No. 1

THE SUMMER SESSION
JUNE 9 -- AUGUST 29, 1952

FIRST TERM—June 9 - July 19

SECOND TERM—July 21 - August 29



COLLEGE STATION, TEXAS

Published monthly by the Agricultural and Mechanical College of Texas.

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COLLEGE CALENDAR

SUMMER SESSION 1952

June 9	Monday, 8 a.m. to 12 noon, registration for the first term.
June 10	Tuesday, 7 a.m., beginning of classes.
June 12	Thursday, last day for enrolling in the College for the first term.
June 13	Friday, last day for making changes in registration.
July 4	Friday, a holiday.
July 18-19	Friday, Saturday, first term final examinations.
July 21	Monday, 8 a.m. to 12 noon, registration for the second term.
July 22	Tuesday, 7 a.m., beginning of classes.
July 24	Thursday, last day for enrolling in the College for the second term.
July 25	Friday, last day for making changes in registration.
August 28-29	Thursday, Friday, second term final examinations.
August 30	Saturday, pre-registration of former students for the fall semester.

REGULAR SESSION OF 1952-53

Fall Semester 1952

September 5	Friday, opening day of New Student Week.
September 12	Friday, 8 a.m. to 5 p.m., registration of new Basic Division students who have had no college work.
September 13	Saturday, 8 a.m. to 5 p.m., registration of all other students.
September 15	Monday, 8 a.m., beginning of classes.
September 20	Saturday, last day for enrolling in the College for the fall semester or adding new courses.
September 27	Saturday, last day for dropping courses with no grade.
November 8	Saturday, a holiday.
November 10	Monday, mid-semester grade reports.
November 27-30	Inclusive, Thanksgiving holidays.
December 20	Saturday, 12 noon, beginning of Christmas recess.
January 5, 1953	Monday, 8 a.m., end of Christmas recess.
January 19-23	Inclusive, semester examinations.

Spring Semester 1953

January 30	Friday, 1 p.m., registration of new Basic Division students who have done no college work.
January 31	Saturday, 8 a.m. to 5 p.m., registration of all other students.
February 2	Monday, 8 a.m., beginning of classes.
February 7	Saturday, last day for enrolling in the College for the spring semester or adding new courses.
February 14	Saturday, last day for dropping courses with no grade.
February 16-20	Religious Emphasis Week.
March 30	Monday, mid-semester grade reports.
April 2-6	Inclusive, spring recess.
May 25-29	Inclusive, semester examinations.
May 29	Friday, Commencement.
May 30	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
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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.

JUNCTION ADJUNCT

Preview of College Study Combined with an Out-of-Door Vacation: The College has developed a beautiful campsite of 411 acres on the South Llano River in the heart of the Texas hill country, about one mile from Junction. Complete recreational and educational facilities are provided at this delightful location. Any male student who is eligible for college entrance may attend one of the two six-week terms.

Course Offerings: The courses offered are ones which will assist students to obtain an objective preview of college study. A student will be assigned to the combination of courses which most nearly meets his needs. Two courses from Group A, one course from Group B, and physical education will be taken by each student. Courses in Group A are: English Composition, College Algebra, College Trigonometry, Remedial English, and Remedial Mathematics. Courses in Group B are: Orientation to College and Remedial Reading. Aptitude and achievement tests will be taken by each student during his first day at the Adjunct and, along with his high school record, will help a counselor and the student to determine his academic needs. All courses will be taught by regular staff members from the Texas A. and M. College System.

Counseling Services: Complete counseling and guidance services are provided without additional cost to all boys enrolled at the Adjunct. Professional counselors will assist each student to know himself better through personal conferences and the use of tests which measure aptitudes, abilities, interests, and personality traits.

Recreational Facilities: The College provides a complete recreational program including individual and team sports, boating, swimming, fishing, and moving pictures. Two swimming "holes" are pro-



Though modern classrooms are available at Junction, classes are often held in natural settings.

vided to meet the needs of persons with varying swimming ability. Lifeguard services are provided at both of these pools.

Physical Facilities and Sanitation: Students are housed in fire-proof, semi-permanent tents equipped with beds, study tables, and steel chests of drawers. Each tent houses twelve students. A cafeteria, equipped to feed 500 persons, and a large building which includes classrooms, offices, library, and a medical clinic are permanent structures. All furnishings are modern and electric lights are available throughout the camp area. Lavatory and washing facilities are located in a modern tile bath-house. All buildings, including the living units, are completely screened.

All steps necessary to secure a high standard of sanitation have been taken. Food is prepared by college personnel who have been trained in sanitary food handling. Drinking water is approved and certified.

A registered nurse is immediately available on a twenty-four-hour basis. A medical doctor is also available at all times.

Costs: The cost is moderate since the Adjunct is operated on a non-profit basis. Expenditures for a full six-week term should not exceed \$130.00. This includes tuition, medical fees, cost of textbooks, room and board, laundering by a local commercial establishment, spending money, and incidentals.

Limited Enrollment: Because of limited housing, enrollment will be restricted each term to less than two hundred students entering college for the first time. Selection of students to fill this limited quota will be made on the basis of the date that the completed application is received.

For an application blank or additional information, write to the Registrar, Agricultural and Mechanical College of Texas, College Station, Texas.

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 (Required)	\$17.50	\$17.50
Medical Service Fee (Required)	2.50	2.50
Student Activities Fee (Required)	2.40	2.40
Room Rent	15.00	15.00
Laundry	4.50	4.50
Room Key Deposit, returnable	1.00	
Total.....	\$42.90	\$41.90

Meals will be served only at the cafeteria in Sbis Hall. No family style service will be provided.

Nonresident 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 \$17.50. Those registering for three hours will pay \$15.50; two—\$13.50; and one—\$11.50. The absentia registration fee is \$7.50.

Any student withdrawing officially during the first week of class work will receive a refund of one-half the matriculation and medical fees; after the first week of class work, no refund.

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; Range and Forestry 407, \$40.00; and Wildlife Management 300, \$40.00. Geol-

ogy 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. All dormitory rooms are equipped with beds, mattresses, tables, and chairs. No cooking is allowed in dormitory rooms.

It is anticipated that all married 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 185,000 volumes, which include files of federal and state documents, and bound periodicals. The library receives over 2,500 periodicals and serials, principally in English and Spanish, with many 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 12:00 noon; Sundays, 6 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 22,000 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. Intramural 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. An eighteen-hole golf course on the college campus is also available to students.

SUMMER ENTERTAINMENT PROGRAM

Nightly entertainment is provided at The Grove in the form of movies, square dances, round dances, and skating parties. A musical comedy produced by local talent and several light concerts contribute to the summer entertainment program, which is financed through the required activity fee and is open to every student.

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 Veterans Advisor to assist ex-servicemen and their families with their problems. His office, which is located in Room 102 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. 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 the Summer Session of 1952.

SUPERVISION AND DISCIPLINE

The over-all supervision of student life and the administration of discipline is the responsibility of the Dean of Men. 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. The Student Labor Office is in 106 Goodwin Hall.

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:

Registration will be conducted in Sbisa Hall and registration cards will be issued there according to the following schedule:

First Term: Monday, June 9, 1952 8:00 a.m. to 12:00 noon

8:00 to 9:00—All whose surnames begin with E, F, G, H, I, J, K.

9:00 to 10:00—All whose surnames begin with A, B, C, D.

10:00 to 11:00—All whose surnames begin with S, T, U, V, W, X, Y, Z.

11:00 to 12:00—All whose surnames begin with L, M, N, O, P, Q, R.

Second Term: Monday, July 21, 1952 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.

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 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.
4. Report to your dean for approval of schedule (Sbisa Hall-Annex).
5. Report to the Chief of Housing (Sbisa Hall) and have fee receipt stamped.
6. Veterans secure approval of book requisitions (Sbisa Hall-Annex).
7. Turn in assignment card at the Registrar's Desk (Sbisa Hall-Annex).

NOTES

1. Old returning students and new students must report to the Registrar's Office (new College 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. Registration is not complete until the student has returned his assignment card, properly approved, to the Registrar and his receipt has been stamped "Registered in the 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 ten students, and any junior or senior class or section with an enrollment of less than six 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. Thursday, June 12, and Thursday, July 24, are the last days for enrolling in any courses in the college for the first and second terms respectively.
8. Courses dropped after Friday, June 13, and Friday, July 25, of the first and second terms respectively will normally carry grades of F as the final grade.

REQUIREMENTS 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 three semester hours of military training. For those students who do not take military training, 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 military training 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.

SCHEDULE OF CLASSES

Section	Theory	Practice	Section	Theory	Practice
AERONAUTICAL ENGINEERING (Aero.)			Course 602—Agricultural Marketing Problems. (12-0) 4		
E. E. BRUSH, Head of Dept. Office: Aero. Eng. Bldg.			1 Daily 9-11 _____		
FIRST TERM			Course 623—Seminar in Agricultural Marketing. (6-0) 2		
Course 402a—Aircraft Design. (3-9) 2			1 Daily 11-12 _____		
1 MWF11-12		TTh1-5:30	Course 631—Special Problems in Agricultural Economics. Credit 1 to 4.		
SECOND TERM			1 Hours to be arranged.		
Course 201—Elementary Aerodynamics. (9-9) 4			Course 645—Government and Agriculture. Credit 3.		
1 Daily 7-8:30		MWF2-5	1 (3 weeks: July 21-August 8)		
Course 302—Experimental Aerodynamics. (3-9) 2			Hours to be arranged.		
1 MWF10-11		MWF2-5	Course 671—Research and Thesis. Credit 1 or more.		
Course 402b—Aircraft Design. (3-9) 2			1 Hours to be arranged.		
1 MWF11-12		TTh1-5:30			
AGRICULTURAL ECONOMICS AND SOCIOLOGY			RURAL SOCIOLOGY (R. S.)		
L. P. GABBARD, Head of Dept. Office: Room 401, Agr. Bldg.			DANIEL RUSSELL, Room 401, Agr. Bldg.		
AGRICULTURAL ECONOMICS (Ag. Ec.)			FIRST TERM		
J. W. BARGER, Room 401, Agr. Bldg.			Course 205—Principles of Sociology. (9-0) 3		
FIRST TERM			1 Daily 11-12:30 _____		
Course 205—Cotton Trade Procedure. (9-0) 3			Course 314—Social Problems. (9-0) 3		
1 Hours to be arranged.			1 Daily 9-10:30 _____		
Course 209—Elementary Cotton Classification. (0-9) 1			Course 404—Rural Organization. Credit 3.		
1 Hours to be arranged.			1 (3 weeks: June 30-July 18)		
Course 210—Principles of Cotton Classification. (3-9) 2			Hours to be arranged.		
1 Hours to be arranged.			Course 601—Rural Social Problem Analysis. (12-0) 4		
Course 404—Marketing Practices. Credit 3.			1 Daily 7-9 _____		
1 (3 weeks: June 30 - July 18)			Course 631—Special Problems in Rural Sociology. Credit 1 to 4.		
Hours to be arranged.			1 Hours to be arranged.		
Course 421—Principles of Farm and Ranch Management. (6-6) 3			Course 671—Research and Thesis. Credit 1 or more.		
1 Daily 11-12		TTh2-5	1 Hours to be arranged.		
Course 460—Economic Aspects of Farm Tenancy. (6-0) 2			SECOND TERM		
1 Daily 11-12			Course 407—Rural Life Problems. (9-0) 3		
Course 611—Farm Management. (6-9) 3			1 Daily 7-8:30 _____		
1 Daily 9-10		MWF2-5	Course 618—Educational Sociology. (9-0) 3		
Course 620—Problems in Agricultural Finance. (12-0) 4			1 Daily 9-10:30 _____		
1 Daily 9-11			Course 631—Special Problems in Rural Sociology. Credit 1 to 4.		
Course 627—Advanced Agricultural Prices. (12-0) 4			1 Hours to be arranged.		
1 Daily 7-9					
Course 631—Special Problems in Agricultural Economics. Credit 1 to 4.			AGRICULTURAL EDUCATION (Ag. Ed.)		
1 Hours to be arranged.			E. R. ALEXANDER, Head of Dept. Office: Room 107, Ag. En. Bldg.		
Course 671—Research and Thesis. Credit 1 or more.			FIRST TERM		
1 Hours to be arranged.			Course 601—Advanced Methods in Agricultural Education. (9-0) 3		
SECOND TERM			1 Daily 9-10:30 _____		
Course 314—Marketing Farm Products. (9-0) 3			Course 605—Supervised Farming. (9-0) 3		
1 Daily 11-12:30			1 Daily 7-8:30 _____		
			Course 610—Adult Education in Agriculture. (9-0) 3		
			1 Daily 11-12:30 _____		

Section	Theory	Practice
Course 613—Administration and Super- vision of Agricultural Education. (9-0) 3		
1	Daily 7-8:30	
Course 619—Workshop Course. Credit 3.		
1	(3 weeks: June 9-June 27)	
	Hours to be arranged.	
Course 625—Studies and Investigations. Credit 2 to 4.		
1	Hours to be arranged.	

SECOND TERM

Course 441—Agricultural Extension Organ- ization and Methods. (6-6) 3		
1	Daily 9-10	TTh2-5
Course 615—Philosophy of Agricultural Education. Credit 3.		
1	(3 weeks: July 21-August 8)	
	Hours to be arranged.	
Course 616—Program Building in Agri- cultural Education. Credit 3.		
1	(3 weeks: August 11-August 29)	
	Hours to be arranged.	
Course 625—Studies and Investigations. Credit 2 to 4.		
1	Hours to be arranged.	

AGRICULTURAL ENGINEERING
(Ag. En.)

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

FIRST TERM

Course 440—Farm Electrification. Credit 3.		
1	(3 weeks: June 30-July 18)	
	Hours to be arranged.	

SECOND TERM

Course 609—Farm Power. (6-18) 4		
1	Daily 9-10	MTWTh1-5F1-3
Course 615—Technical Research. Credit 2 to 6.		
1	Hours to be arranged.	

AGRONOMY (Agr.)

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

FIRST TERM

Course 308—Forage Crops. (6-6) 3		
1	Daily 11-12	TTh2-5
Course 418—Soil Conservation. (9-9) 4		
1	Daily 9-10:30	TTh1-5:30
Course 422—Soil Fertility. (9-12) 4		
1	Daily 7-8:30	MWF1-5

SECOND TERM

Course 301—Introductory Soils. (9-6) 4		
1	Daily 9-10:30	TTh2-5

AIR SCIENCE (A.S.)

COL. E. W. NAPIER, Head of Dept.
Office: Room 8, Ross Hall

FIRST TERM

No courses are to be offered.

Section	Theory	Practice
SECOND TERM		
No courses are to be offered.		

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 7-8:30	
Course 307—Meats. (6-9) 3		
1	Daily 11-12	MW1-5:30
2	Daily 11-12	TTh1-5:30
Course 406—Beef Cattle Production. (6-6) 3		
1	Daily 11-12	TTh2-5
Course 436—Advanced Livestock Man- agement. Credit 3.		
1	(3 weeks: June 9-June 27)	
	Hours to be arranged.	
Course 605—Advancements in Beef Cattle Production. (9-0) 3		
1	Daily 7-8:30	
Course 629—Research in Animal Hus- bandry. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM

Course 412—Swine Production. (6-6) 3		
1	Daily 11-12	TTh2-5
Course 416—Livestock Management. (6-6) 3		
1	Daily 7-8	MW2-5
Course 621—Advancements in Swine Production. (9-0) 3		
1	Daily 9-10:30	
Course 629—Research in Animal Hus- bandry. Credit 1 or more.		
1	Hours to be arranged.	

ARCHITECTURE (Arch.)

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

FIRST TERM

Course 427—Construction II. (6-6) 3		
1	Daily 9-10	TTh2-5
Course 428—Construction II. (6-6) 3		
1	Daily 11-12	MW2-5

SECOND TERM

No courses are to be offered.

BASIC DIVISION (Basic)

J. R. BERTRAND, In Charge
Office: Aggieland Inn Bldg.

FIRST TERM

Course 102—Remedial Reading. (0-6) 1		
1		Daily 11-12

SECOND TERM

Course 102—Remedial Reading. (0-6) 1		
1		Daily 11-12

Section	Theory	Practice
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BIOCHEMISTRY AND NUTRITION
(B. N.)

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

FIRST TERM

- Course 620—Advanced Biochemical Techniques. (0-18) 2
1 MTWTh1-5F1-3
- Course 622—Advanced Biochemical Problems. Credit 1 to 3.
1 Hours to be arranged.
- Course 675—Research in Biochemistry and Nutrition. Credit 1 or more.
1 Hours to be arranged.

SECOND TERM

- Course 622—Advanced Biochemical Problems. Credit 1 to 3.
1 Hours to be arranged.
- Course 675—Research in Biochemistry and Nutrition. Credit 1 or more.
1 Hours to be arranged.

BIOLOGY (Biol.)

C. C. DOAK, Head of Dept.
Office: Room 110, Biol. Sci. Bldg.

FIRST TERM

- Course 101—General Botany of Seed Plants. (9-12) 4
1 Daily 9-10:30 MTWTh2-5
- Course 206—Introductory Bacteriology. (6-12) 3
1 Daily 9-10 MTThF2-5
- Course 217—Comparative Anatomy of Vertebrates. (6-12) 3.
1 Daily 7-8 MTWTh2-5
- Course 349—Field Taxonomy. (6-12) 3
1 Hours to be arranged.
- Course 419—Seminar in Biology. (3-0) 1
1 MWF11-12
- Course 437—Biological Problems. Credit 1 or 2.
1 Hours to be arranged.
- Course 619—Advanced Systematic Botany. (6-18) 4
1 Daily 7-8 MTWTh1-5F1-3
- Course 621—Research in Biology. Credit 1 or more.
1 Hours to be arranged.
- Course 623—Plant Morphology. (6-18) 4
1 Hours to be arranged.

SECOND TERM

- Course 107—Vertebrate Zoology. (6-12) 3
1 Daily 11-12 MTWTh2-5
- Course 206—Introductory Bacteriology. (6-12) 3
1 Daily 9-10 MTThF2-5
- Course 218—Comparative Anatomy of Vertebrates. (6-12) 3
1 Daily 7-8 MTWTh2-5
- Course 420—Seminar in Biology. (3-0) 1
1 MWF11-12
- Course 437—Biological Problems. Credit 1 or 2.
1 Hours to be arranged.
- Course 621—Research in Biology. Credit 1 or more.
1 Hours to be arranged.

Section	Theory	Practice
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BUSINESS ADMINISTRATION (B.A.)

T. W. LELAND, Head of Dept.
Office: Room 256, B.A. Bldg.

FIRST TERM

- Course 101—Principles of Accounting. (9-9) 4
1 Daily 7-8:30 MWF2-5
- Course 102—Principles of Accounting. (9-9) 4
1 Daily 9-10:30 MTTh2-5
- Course 201—Intermediate Accounting. (9-9) 4
1 Daily 9-10:30 MTTh2-5
- Course 205—Marketing. (9-0) 3
1 Daily 9-10:30
- Course 206—Purchasing and Control of Materials. (9-0) 3
1 Daily 7-8:30
- Course 208—Advertising. (9-0) 3
1 Daily 11-12:30
- Course 301—Advanced Accounting. (9-9) 4
1 Daily 9-10:30 TThF2-5
- Course 303—Statistical Method. (9-9) 4
1 Daily 7-8:30 MWTh2-5
- Course 305—Business Law. (9-0) 3
1 Daily 7-8:30
- Course 317—Punch-Card Methods. (3-6) 2
1 MWF11-12 TTh2-5
- Course 344—Marketing Problems. (9-0) 3
1 Daily 11-12:30
- Course 409—Survey of Accounting Principles. (9-0) 3
1 Daily 7-8:30
- Course 418—Corporation Finance. (9-0) 3
1 Daily 9-10:30
- Course 420—Principles of Investment. (9-0) 3
1 Daily 11-12:30
- Course 422—Personnel Problems of Industry. (9-0) 3
1 Daily 7-8:30
- Course 423—Personnel Policies and Techniques. (9-0) 3
1 Daily 11-12:30
- Course 425—Merchandising. (9-0) 3
1 Daily 7-8:30
- Course 428—Real Estate Titles and Conveyances. (9-0) 3
1 Daily 9-10:30
- Course 433—Business Management. (9-0) 3
1 Daily 11-12:30
- Course 435—Salesmanship. (9-0) 3
1 Daily 9-10:30
- Course 601—Statement Analysis. (9-0) 3
1 Daily 9-10:30

SECOND TERM

- Course 102—Principles of Accounting. (9-9) 4
1 Daily 11-12:30 MWF2-5
- Course 202—Intermediate Accounting. (9-9) 4
1 Daily 9-10:30 TThF2-5
- Course 303—Statistical Method. (9-9) 4
1 Daily 7-8:30 MTTh2-5
- Course 304—Business Cycles and Business Measurements. (9-0) 3
1 Daily 7-8:30
2 Daily 9-10:30
- Course 305—Business Law. (9-0) 3
1 Daily 11-12:30
- Course 306—Business Law. (9-0) 3
1 Daily 9-10:30

Section	Theory	Practice
Course 310—Credit and Collections.	(9-0) 3	—
1	Daily 7-8:30	—
Course 315—Insurance. (9-0) 3		—
1	Daily 9-10:30	—
Course 430—Cost Accounting Survey.	(9-0) 3	—
1	Daily 11-12:30	—
Course 438—Commercial Bank Management. (9-0) 3		—
1	Daily 9-10:30	—
Course 603—Price Analysis. (9-6) 4		—
1	Daily 11-12:30	TTh2-5

CHEMICAL ENGINEERING (Ch. E.)

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

FIRST TERM

No courses are to be offered.

SECOND TERM

Course 423—Unit Operations. (9-0) 3		—
1	Daily 9-10:30	—

CHEMISTRY (Chem.)

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

FIRST TERM

Course 101—General Chemistry. (9-9) 4		—
1	Daily 7-8:30	MW1-5:30
Course 102—General Chemistry. (9-9) 4		—
1	Daily 9-10:30	TTh1-5:30
2	Daily 9-10:30	WF1-5:30
Course 205—Qualitative Analysis. (9-9) 4		—
1	Daily 9-10:30	TTh1-5:30
Course 207—Elementary Quantitative Analysis. (6-9) 3		—
1	Daily 11-12	WF1-5:30
Course 223—Elementary Quantitative Analysis. (6-9) 3		—
1	Daily 11-12	TTh1-5:30
2	Daily 11-12	MW1-5:30
Course 225—Elementary Organic Chemistry. (9-0) 3		—
1	Daily 11-12:30	—
Course 231—Elementary Organic Chemistry. (9-0) 3		—
1	Daily 7-8:30	—
Course 301—Organic Chemistry. (9-12) 4		—
1	Daily 9-10:30	MWF1-5
Course 323—Physical Chemistry. (9-9) 4		—
1	Daily 7-8:30	TTh1-5:30
Course 609—Theory of Organic Chemistry. (12-0) 4		—
1	Daily 9-11	—
Course 612—Principles of Physical Chemistry. (12-0) 4		—
1	Daily 7-9	—
Course 613—Research. Credit 1 or more.		—
1	Hours to be arranged.	—
SECOND TERM		
Course 102—General Chemistry. (9-9) 4		—
1	Daily 7-8:30	MW1-5:30
2	Daily 7-8:30	TTh1-5:30
Course 207—Elementary Quantitative Analysis. (6-9) 3		—
1	Daily 11-12	WF1-5:30

Section	Theory	Practice
Course 216—Quantitative Analysis.	(6-18) 4	—
1	Daily 9-10	MTWTh1-5F1-3
Course 223—Elementary Quantitative Analysis. (6-9) 3		—
1	Daily 11-12	MW1-5:30
2	Daily 11-12	TTh1-5:30
Course 225—Elementary Organic Chemistry. (9-0) 3		—
1	Daily 9-10:30	—
Course 231—Elementary Organic Chemistry. (9-0) 3		—
1	Daily 7-8:30	—
Course 302—Organic Chemistry. (9-12) 4		—
1	Daily 9-10:30	MWF1-5
Course 324—Physical Chemistry. (9-9) 4		—
1	Daily 9-10:30	TTh1-5:30
Course 344—Physical Chemistry. (9-0) 3		—
1	Daily 11-12:30	—
Course 613—Research. Credit 1 or more.		—
1	Hours to be arranged.	—

CIVIL ENGINEERING (C.E.)

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

FIRST TERM

Course 300S—Summer Surveying Practice. Credit 4.		—
1	Junction, Texas, Field Camp	Hours to be arranged.
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—Plain and Reinforced Concrete. (6-9) 3		—
1	Daily 11-12	TTh1-5:30
Course 345—Analysis of Simple Structures. (9-9) 4		—
1	Daily 9-10:30	MW1-5:30
Course 448—Engineering Economy. (6-0) 2		—
1	Daily 11-12	—
Course 473—Cost Estimating. (9-0) 3		—
1	Daily 7-8:30	—
Course 641—Research. Credit 2 to 6.		—
1	Hours to be arranged.	—

SECOND TERM

Course 300S—Summer Surveying Practice. Credit 4.		—
1	Junction, Texas, Field Camp	Hours to be arranged.
Course 305—Mechanics of Materials. (12-0) 4		—
1	Daily 7-9	—
Course 346—Design of Members and Connections. (6-9) 3		—
1	Daily 11-12	MWF2-5
Course 408—Municipal Administration. (9-0) 3		—
1	Daily 7-8:30	—
Course 465—Soil Mechanics and Foundations. (6-6) 3		—
1	Daily 9-10	TTh2-5
Course 641—Research. Credit 2 to 6.		—
1	Hours to be arranged.	—

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

FIRST TERM

- | | | |
|--|----------------------------|--------|
| Course 202—Dairying. (6-6) | 3 | |
| 1 | Daily 7-8 | TTh2-5 |
| Course 423—Problems in Dairy Production. Credit 3. | | |
| 1 | (3 weeks: June 30-July 18) | |
| | Hours to be arranged. | |
| Course 451—Special Problems. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 605—Topics in Dairy Production. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 607—Topics in Dairy Manufactures. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 671—Research in Dairy Production. Credit 1 or more. | | |
| 1 | Hours to be arranged. | |
| Course 673—Research in Dairy Manufactures. Credit 1 or more. | | |
| 1 | Hours to be arranged. | |

SECOND TERM

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|--|-----------------------|--|
| Course 452—Special Problems. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 605—Topics in Dairy Production. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 607—Topics in Dairy Manufactures. Credit 1 to 4. | | |
| 1 | Hours to be arranged. | |
| Course 671—Research in Dairy Production. Credit 1 or more. | | |
| 1 | Hours to be arranged. | |
| Course 673—Research in Dairy Manufactures. Credit 1 or more. | | |
| 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 9-10:30 | |
| Course 311—Money and Banking. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 318—Economics of Labor. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |
| Course 403—Principles of Economics. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| 2 | Daily 9-10:30 | |
| 3 | Daily 11-12:30 | |

SECOND TERM

- | | | |
|---|---------------|--|
| Course 204—Principles of Economics. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 311—Money and Banking. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 319—Economic Development of the United States. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |

Section	Theory	Practice
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Course 403—Principles of Economics.
(9-0) 3

- | | | |
|---|----------------|--|
| 1 | Daily 9-10:30 | |
| 2 | Daily 11-12:30 | |

Course 609—Research and Thesis. Credit 1 or more.
Hours to be arranged.

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 11-12:30 | |
| Course 426—Tests and Measurements. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |
| Course 433—Improvement of Reading, Spelling, and Speech. Credit 3. | | |
| 1 | (3 weeks: June 9-June 27) | |
| | Hours to be arranged. | |
| Course 434—Improvement of Reading, Spelling, and Speech. Credit 3. | | |
| 1 | (3 weeks: June 30-July 18) | |
| | Hours to be arranged. | |
| Course 435—Audio-Visual Education. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 607—Programs and Procedures in Supervision. (6-0) | 2 | |
| 1 | Daily 11-12 | |
| Course 610—Pupil Accounting. (6-0) | 2 | |
| 1 | Daily 7-8:30 | |
| Course 613—The School Plant. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 619—Resources Use Education. (12-0) | 4 | |
| 1 | Daily 9-11 | |
| Course 622—The Junior College. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |

SECOND TERM

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|--|----------------|--------|
| Course 319—Elementary School Methods. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 320—Elementary School Administration. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |
| Course 322—Secondary School Administration. (9-0) | 3 | |
| 1 | Daily 11-12:30 | |
| Course 427—Administration of Student Personnel. (9-0) | 3 | |
| 1 | Daily 7-8:30 | |
| Course 441—Practicum in Remedial Reading. (6-9) | 3 | |
| 1 | Daily 11-12 | MWF2-5 |
| Course 608—Administration of Local School Finance. (9-0) | 3 | |
| 1 | Daily 9-10:30 | |
| Course 609—Public School Laws. (6-0) | 2 | |
| 1 | Daily 11-12 | |
| Course 611—The Newer Techniques in Teaching. (12-0) | 4 | |
| 1 | Daily 9-11 | |
| Course 616—Administration of Teacher Personnel. (6-0) | 2 | |
| 1 | Daily 7-8 | |

Section	Theory	Practice
PSYCHOLOGY (Psy.)		
FIRST TERM		
Course 207—General Psychology. (9-0)	3	
1	Daily 9-10:30	—
Course 301—Educational Psychology. (9-0)	3	
1	Daily 7-8:30	—
Course 303—Psychology for Technical Students. (9-0)	3	
1	Daily 11-12:30	—
Course 307—Child Psychology. (9-0)	3	
1	Daily 9-10:30	—

SECOND TERM		
Course 207—General Psychology. (9-0)	3	
1	Daily 11-12:30	—
Course 303—Psychology for Technical Students. (9-0)	3	
1	Daily 9-10:30	—
Course 402—Advanced Educational Psychology. (9-0)	3	
1	Daily 7-8:30	—

ELECTRICAL ENGINEERING (E.E.)

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

FIRST TERM		
Course 208—Direct Current Machinery. (9-12)	4	
1	Daily 11-12:30	MWF1-5
Course 305—Electrical Machinery. (9-9)	4	
1	Daily 9-10:30	MWF2-5
Course 307—Electrical Circuits. (9-9)	4	
1	Daily 7-8:30	TTh1-5:30
Course 318—Electrical Measurements. (6-12)	3	
1	Daily 11-12	MWF1-5
Course 602—Advanced Alternating Currents. (9-12)	4	
1	Daily 11-12:30	MTWTh2-5
Course 617—Research for Thesis or Dissertation. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM		
Course 305—Electrical Machinery. (9-9)	4	
1	Daily 9-10:30	MWF2-5
Course 308—Electrical Machinery. (9-9)	4	
1	Daily 7-8:30	TTh1-5:30
Course 316—Circuit and Field Theory. (9-0)	3	
1	Daily 9-10:30	—
Course 320—Electronics. (9-9)	4	
1	Daily 7-8:30	MWF2-5
Course 611—Symmetrical Components Applied to Electrical Engineering. (9-12)	4	
1	Daily 11-12:30	MTWTh2-5
Course 617—Research for Thesis or Dissertation. Credit 1 or more.		
1	Hours to be arranged.	

ENGINEERING DRAWING (E.D.)

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

FIRST TERM		
Course 112—Engineering Drawing. (0-12)	1	
1	Hours to be arranged.	

Section	Theory	Practice
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 222—Construction Drawing. (3-9)	2	
1	Hours to be arranged.	
Course 601—Advanced Industrial Drawing. (6-9)	3	
1	Hours to be arranged.	
Course 605—Spherical Projections. (6-0)	2	
1	Hours to be arranged.	
Course 611—Technical Illustration. (9-9)	4	
1	Hours to be arranged.	

SECOND TERM

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 Reproductions. (0-6)	1	
1	Hours to be arranged.	
Course 222—Construction Drawing. (3-9)	2	
1	Hours to be arranged.	
Course 603—Advanced Machine Drawing. (3-18)	3	
1	Hours to be arranged.	
Course 606—Stereographic and Clinographic Projections. (6-0)	2	
1	Hours to be arranged.	
Course 607—Descriptive Geometry for Teachers. (12-0)	4	
1	Hours to be arranged.	

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 7-8:30	—
2	Daily 9-10:30	—
Course 104—Composition and Rhetoric. (9-0)	3	
1	Daily 11-12:30	—
2	Daily 9-10:30	—
Course 203—Composition and Literature. (6-0)	2	
1	Daily 7-8	—
2	Daily 9-10	—
3	Daily 11-12	—
4	Daily 7-8	—
Course 210—Writing and Discussion. (6-0)	2	
1	Daily 7-8	—
2	Daily 9-10	—
3	Daily 11-12	—
Course 212—Shakespeare. (9-0)	3	
1	Daily 7-8:30	—
Course 301—Writing for Professional Men. (9-0)	3	
1	Daily 11-12:30	—
2	Daily 9-10:30	—
3	Daily 7-8:30	—
Course 340—Modern Drama. (9-0)	3	
1	Daily 9-10:30	—

Section	Theory	Practice
Course 375—Great American Writers.		
	(6-0) 2	_____
1	Daily 11-12	_____
Course 401—Public Speaking. (0-6) 1		
1	_____	Daily 7-8
2	_____	Daily 9-10
3	_____	Daily 11-12
4	_____	Daily 9-10
Course 403—Speaking for Professional Men. (3-6) 2		
1	TTh7-8:30	MWF7-8:30
2	TTh7-8:30	MWF7-8:30
3	TTh9-10:30	MWF9-10:30
4	TTh9-10:30	MWF9-10:30
5	TTh11-12:30	MWF11-12:30
6	TTh11-12:30	MWF11-12:30

SECOND TERM

Course 103—Composition and Rhetoric. (9-0) 3		
1	Daily 11-12:30	_____
Course 104—Composition and Rhetoric. (9-0) 3		
1	Daily 7-8:30	_____
2	Daily 9-10:30	_____
Course 203—Composition and Literature. (6-0) 2		
1	Daily 9-10	_____
2	Daily 11-12	_____
Course 210—Writing and Discussion. (6-0) 2		
1	Daily 7-8	_____
2	Daily 9-10	_____
3	Daily 11-12	_____
4	Daily 9-10	_____
Course 301—Writing for Professional Men. (9-0) 3		
1	Daily 7-8:30	_____
2	Daily 11-12:30	_____
Course 371—Great Books. (9-0) 3		
1	Daily 9-10:30	_____
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	TTh7-8:30	MWF7-8:30
2	TTh9-10:30	MWF9-10:30
3	TTh11-12:30	MWF11-12:30
4	TTh7-8:30	MWF7-8:30
5	TTh9-10:30	MWF9-10:30
6	TTh11-12:30	MWF11-12:30

ENTOMOLOGY (Ento.)

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

FIRST TERM

Course 201—General Entomology. (6-6) 3		
1	Daily 9-10	MW2-5
Course 418—Special Problems. Credit 1 to 4.		
1	Hours to be arranged.	
Course 608—Economic Entomology. (9-9) 4		
1	Daily 7-8:30	TThF2-5
Course 609—Microtechnique. (9-9) 4		
1	Daily 11-12:30	TThF2-5
Course 611—Research for Thesis or Dissertation. Credit 1 or more.		
1	Hours to be arranged.	

Section	Theory	Practice
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SECOND TERM

Course 418—Special Problems. Credit 1 to 4.		
1	Hours to be arranged.	
Course 611—Research for Thesis or Dissertation. Credit 1 or more.		
1	Hours to be arranged.	

FLORICULTURE AND LANDSCAPE ARCHITECTURE

A. F. DeWERTH, Head of Dept.
Office: Room 201, Ag. En. Bldg.

FLORICULTURE (Flor.)

FIRST TERM

Course 611—Research and Thesis. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM

Course 611—Research and Thesis. Credit 1 or more.		
1	Hours to be arranged.	

LANDSCAPE ARCHITECTURE (Land.)

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

GENETICS (Gen.)

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

FIRST TERM

Course 301—Genetics. (9-6) 4		
1	Daily 9-10:30	TTh2-5
2	Daily 9-10:30	MW2-5

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

Course 201—Principles of Geography. (9-9) 3		
1	Daily 9-10:30	_____

SECOND TERM

No courses are to be offered.

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 9-10	MTWTh1-5F1-3

Section	Theory	Practice
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 609—Field Geology. Credit 2 to 6.		
1	Hours to be arranged.	
Course 623—Research. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM

Course 210—Historical Geology. (9-9) 4		
1	Daily 7-8:30	MWF2-5
Course 300—Field Geology. Credit 6.		
1	Junction, Texas, Field Camp	
	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 610—Field Geology. Credit 2 to 6.		
1	Hours to be arranged.	
Course 623—Research. Credit 1 or more.		
1	Hours to be arranged.	

INTERSESSION

Course 209—Introduction to Field Work. Credit 1.		
1	September 8-12	
Course 299—Field Geology. Credit 3.		
1	August 25-September 12	

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 7-8:30	_____
Course 306—American National Government. (9-0) 3		
1	Daily 7-8:30	_____
2	Daily 9-10:30	_____
3	Daily 11-12:30	_____
4	Daily 9-10:30	_____
Course 307—State and Local Government. (9-0) 3		
1	Daily 11-12:30	_____
Course 316—The Institutional Background of Texas, 1519-1845. (9-0) 3		
1	Daily 9-10:30	_____

SECOND TERM

Course 106—History of the United States. (9-0) 3		
1	Daily 7-8:30	_____
Course 306—American National Government. (9-0) 3		
1	Daily 7-8:30	_____
2	Daily 9-10:30	_____
3	Daily 11-12:30	_____
Course 307—State and Local Government. (9-0) 3		
1	Daily 7-8:30	_____
2	Daily 9-10:30	_____
3	Daily 11-12:30	_____
Course 315—The United States, 1901 to the Present. (9-0) 3		
1	Daily 9-10:30	_____

Section	Theory	Practice
HORTICULTURE (Hort.)		
G. W. ADRIANCE, Head of Dept. Office: Room 307, Agr. Bldg.		

FIRST TERM

Course 607—Research Methods. Credit 1 to 4.		
1	Hours to be arranged.	
Course 611—Fruit Production Principles. (9-9) 4		
1	Daily 7-8:30	MWF2-5
Course 613—Vegetable Production. (9-6) 4		
1	Daily 9-10:30	TTh2-5
Course 671—Research in Horticulture. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM

Course 608—Research Methods. Credit 1 to 4.		
1	Hours to be arranged.	
Course 671—Research in Horticulture. Credit 1 or more.		
1	Hours to be arranged.	

INDUSTRIAL EDUCATION (I.Ed.)

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

FIRST TERM

Course 304—Applied Industrial Electricity. (6-12) 3		
1	Daily 11-12	MWF1-5
Course 326—General Metalwork. (3-15) 3		
1	MWF7-8	MWF8-9TTh7-9TTh1-5
Course 404—Visual Aids for Industrial Subjects. (3-6) 2		
1	MWF2-3	TTh2-5
Course 602—Industrial Arts Administration and Supervision. Credit 2. (4 weeks: June 9-July 4)		
1	Daily 9-10:30	_____
Course 604—Industrial Programs for Junior Colleges and Technical Schools. Credit 2. (4 weeks: June 9-July 4)		
1	Daily 11-12:30	_____
Course 611—Industrial Education Problems. (12-0) 4		
1	Daily 7-9	_____

SECOND TERM

Course 105—Wood Craft. (3-15) 3		
1	MWF7-8	MWF8-11TTh7-10
Course 106—Sheet Metal. (3-15) 3		
1	MWF1-2	MWF2-5TTh1-4
Course 423—Analysis Procedure. (3-6) 2		
1	MWF7-8	Daily 8-9
Course 424—Organization of Instructional Material. (3-6) 2		
1	MWF9-10	MW10-11TTh9-11
Course 623—Vocational Guidance Procedures. (9-0) 3		
1	Daily 11-12:30	_____
Course 625—Seminar in Vocational Industrial Education. (3-0) 1		
1	MWF1-2	_____
Course 632—Cabinet Making. (3-12) 2		
1	MWF1-2	MWF2-4TTh1-4

Section Theory Practice
INDUSTRIAL ENGINEERING (I.En.)
 A. R. BURGESS, Head of Dept.
 Office: Austin Hall

FIRST TERM
 No courses are to be offered.

SECOND TERM
Course 401—Survey of Industrial Engineering. (9-0) 3
 1 Daily 9-10:30

JOURNALISM (Jour.)
 D. D. BURCHARD, Head of Dept.
 Office: Kelly House

FIRST TERM
Course 415—Agricultural Journalism. (6-6) 3
 1 Daily 11-12
 Lab. hours to be arranged.
Course 462—School Publications. (9-0) 3
 1 Daily 9-10:30

SECOND TERM
Course 406—Publicity and Public Relations. (9-0) 3
 1 Daily 9-10:30
Course 415—Agricultural Journalism. (6-6) 3
 1 Daily 11-12
 Lab. hours to be arranged.

LANDSCAPE ARCHITECTURE
 (See FLORICULTURE AND LANDSCAPE ARCHITECTURE)

MATHEMATICS (Math.)
 W. L. PORTER, Head of Dept.
 Office: Room 221 Academic Bldg.

FIRST TERM
Course 101—Algebra. (9-0) 3
 1 Daily 7-8:30
Course 102—Algebra. (9-0) 3
 1 Daily 9-10:30
Course 103—Plane Trigonometry. (9-0) 3
 1 Daily 7-8:30
 2 Daily 9-10:30
 3 Daily 11-12:30
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 11-12:30
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 9-11
Course 305—Differential Equations. (6-0) 2
 1 Daily 11-12

Section Theory Practice
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 11-1
Course 602—Higher Mathematics for Engineers and Physicists. (12-0) 4
 1 Daily 7-9

SECOND TERM
Course 101—Algebra. (9-0) 3
 1 Daily 11-12:30
Course 102—Algebra. (9-0) 3
 1 Daily 7-8:30
Course 103—Plane Trigonometry. (9-0) 3
 1 Daily 9-10:30
 2 Daily 11-12:30
Course 104—Analytics. (12-0) 4
 1 Daily 7-9
 2 Daily 11-1
Course 203—Calculus. (12-0) 4
 1 Daily 11-1
Course 204—Calculus. (12-0) 4
 1 Daily 7-9
 2 Daily 9-11
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 7-9
Course 603—Seminar Course in Mathematics for Engineers and Physicists. (12-0) 4
 1 Daily 9-11

MECHANICAL ENGINEERING (M.E.)
 C. W. CRAWFORD, Head of Dept.
 Office: Room 103, Fernier Hall

FIRST TERM
Course 101—Engineering Problems. (3-6) 2
 1 TTh7-8:30 MWF7-8:30
 2 TTh9-10:30 MWF9-10:30
Course 102—Engineering Problems. (3-6) 2
 1 TTh9-10:30 MWF9-10:30
 2 TTh11-12:30 MWF11-12:30
Course 105—Carpentry and Mill Work. (3-18) 3
 1 MWF7-8 MWF8-11TTh7-11
Course 212—Engineering Mechanics. (9-0) 3
 1 Daily 9-10:30
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 11-12:30
Course 323—Thermodynamics. (12-0) 4
 1 Daily 7-9
Course 329—Advanced Cabinet Making. (3-18) 3
 1 MWF1-2 MWF2-5TTh1-5
Course 403—Engineering Laboratory. (3-9) 2
 1 MWF8-9 MW1-5:30

Section	Theory	Practice
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 445—Machine Design. (6-9) 3		
1	Daily 7-8	TTh1-5:30
Course 450—Seminar. (0-6) 1		
1	Daily 11-12	
Course 605a—Engineering Analysis. (6-0) 2		
1	Daily 9-10	
Course 607—Experimental Engineering Research. Credit 1 or more.		
1	Hours to be arranged.	
Course 616—Heat Transmission. (12-0) 4		
1	Daily 7-9	

SECOND TERM

Course 101—Engineering Problems. (3-6) 2		
1	TTh11-12:30	MWF11-12:30
Course 102—Engineering Problems. (3-6) 2		
1	TTh9-10:30	MWF9-10:30
Course 106—Cabinet Making. (3-18) 3		
1	MWF1-2	MWF2-5TTh1-5
Course 212—Engineering Mechanics. (9-0) 3		
1	Daily 7-8:30	
Course 323—Thermodynamics. (12-0) 4		
1	Daily 7-9	
Course 328—Thermodynamics. (9-0) 3		
1	Daily 9-10:30	
Course 338—Kinematics and Machine Design. (9-9) 4		
1	Daily 7-8:30	MW1-5:30
Course 404—Engineering Laboratory. (3-9) 2		
1	MWF1-2	TTh1-5:30
Course 410—Internal Combustion Engines. (9-0) 3		
1	Daily 7-8:30	
Course 446—Machine Design. (6-9) 3		
1	Daily 11-12	TTh1-5:30
Course 605b—Engineering Analysis. (6-0) 2		
1	Daily 11-12	
Course 607—Experimental Engineering Research. Credit 1 or more.		
1	Hours to be arranged.	
Course 615—Advanced Engineering Thermodynamics. (12-0) 4		
1	Daily 7-9	
Course 619—Theoretical Methods of Machine Design. (12-0) 4		
1	Daily 9-11	

MILITARY SCIENCE (M.S.)

COL. S. P. MYERS, Head of Dept.
Office: Rooms 2 and 3, Ross Hall

FIRST TERM

No courses are to be offered.

SECOND TERM

No courses are to be offered.

MODERN LANGUAGES (Lang.)

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

FIRST TERM

No courses are to be offered.

Section	Theory	Practice
SECOND TERM		
Course 104—Beginning German. (Continued) (9-0) 3		
1	Daily 7-8:30	
Course 106—Beginning Spanish. (Continued) (9-0) 3		
1	Daily 9-10:30	
Course 206—Intermediate Spanish. (Continued) (9-0) 3		
1	Daily 11-12:30	

OCEANOGRAPHY (Ocn.)

D. F. LEIPPER, Head of Dept.
Office: Room 26, Science Hall

FIRST TERM

No courses are to be offered.

SECOND TERM

Course 401—Introduction to Oceanography. (9-0) 3		
1	Daily 7-8:30	
Course 431—Geological Oceanography. (9-0) 3		
1	Daily 11-12:30	
Course 610—Physical Oceanography. (9-0) 3		
1	Daily 9-10:30	

PETROLEUM ENGINEERING (Pet.E.)

HAROLD VANCE, Head of Dept.
Office: Room 106, Pet.E. Bldg.

FIRST TERM

Course 327—Petroleum Engineering Problems. (6-6) 3		
1	Hours to be arranged.	
Course 601—Petroleum Engineering Problems. (9-9) 4		
1	Daily 7-8:30	MWF2-5
Course 619—Petroleum Research. Credit 1 or more.		
1	Hours to be arranged.	

SECOND TERM

Course 619—Petroleum Research. Credit 1 or more.		
1	Hours to be arranged.	

PHYSICAL EDUCATION, (P.E.)

C. E. TISHLER, Head of Dept.
Office: Gymnasium

FIRST TERM

Course 216—First Aid. (0-9) 1		
1		MWF2-5
Course 315—Elementary School Methods. (6-9) 3		
1	Daily 9-10	MWF2-5
Course 317—Coaching of Football. (3-9) 2		
1	MWF11-12	MTTh2-5
Course 415—Secondary School Health Education. (9-0) 3		
1	Daily 7-8:30	
Course 419—Coaching of Basketball. (3-9) 2		
1	MWF1-2	MWF2-5

Section	Theory	Practice
Course 421—Elementary School Health Education. (9-0)	3	—
1	Daily 11-12:30	—
Course 423—Administration of Health and Physical Education. (9-0)	3	—
1	Daily 9-10:30	—
Course 425—Tests and Measurements. (9-0)	3	—
1	Daily 9-10:30	—

SECOND TERM

Course 216—First Aid. (0-9)	1	TTh1-5:30
1	—	—
Course 218—Athletic Injuries. (3-9)	2	—
1	MWF1-2	MWF2-5
Course 226—Introduction to Recreation. (6-0)	2	—
1	Daily 9-10	—
Course 316—Secondary School Methods. (6-9)	3	—
1	Daily 11-12	MTTh2-5
Course 318—Coaching of Track. (3-9)	2	—
1	MWF1-2	MWF2-5
Course 350—Community Recreation. (9-0)	3	—
1	Daily 7-8:30	—
Course 410—Coaching of Baseball. (3-9)	2	—
1	MWF11-12	MWF2-5

PHYSICS (Phys.)

J. G. POTTER, Head of Dept.
Office: Room 22, Physics Bldg.

FIRST TERM

Course 201—College Physics. (9-9)	4	—
1	Daily 7-8:30	MWF2-5
Course 203—General Physics. (12-9)	5	—
1	Daily 9-11	MWF2-5
Course 204—General Physics. (12-9)	5	—
1	Daily 7-9	MWF2-5
Course 605a—Theory of Thermodynamics and Thermal Radiation. (6-0)	2	—
1	Daily 11-12	—

SECOND TERM

Course 202—College Physics. (9-9)	4	—
1	Daily 7-8:30	MWF2-5
Course 204—General Physics. (12-9)	5	—
1	Daily 9-11	MWF2-5
Course 603—Electromagnetic Theory. (12-0)	4	—
1	Daily 9-11	—
Course 605b—Theory of Thermodynamics and Thermal Radiation. (6-0)	2	—
1	Daily 11-12	—

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

G. M. WATKINS, Head of Dept.
Office: Room 105, Old Exp. Sta. Bldg.

FIRST TERM

Course 313—Introduction to Plant Physiology. (6-9)	3	—
1	Daily 9-10	TTh1-5:30
Course 615—Special Problems. Credit 1 to 4.	—	—
1	Hours to be arranged.	—
Course 673—Research for Thesis or Dissertation. Credit 1 or more.	—	—
1	Hours to be arranged.	—

Section	Theory	Practice
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SECOND TERM

Course 615—Special Problems. Credit 1 to 4.	—	—
1	Hours to be arranged.	—
Course 673—Research for Thesis or Dissertation. Credit 1 or more.	—	—
1	Hours to be arranged.	—

POULTRY HUSBANDRY (P.H.)

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

FIRST TERM

Course 201—Poultry Production. (6-6)	3	—
1	Daily 11-12	TTh2-5
Course 303—Turkey Production. (6-0)	2	—
1	Daily 9-10	—
Course 673—Research Problems. Credit 1 to 4.	—	—
1	Hours to be arranged.	—

SECOND TERM

Course 673—Research Problems. Credit 1 to 4.	—	—
1	Hours to be arranged.	—

PSYCHOLOGY

(See EDUCATION AND PSYCHOLOGY)

RANGE AND FORESTRY (R.F.)

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

FIRST TERM

Course 601—Range Research. Credit 1 or more.	—	—
1	Hours to be arranged.	—
Course 608—Range Studies. Credit 1 to 4.	—	—
1	Hours to be arranged.	—

SECOND TERM

Course 407—Range Practice. Credit 3.	—	—
1	Hours to be arranged.	—
Course 408—Range Problems. Credit 1 to 3.	—	—
1	Hours to be arranged.	—
Course 601—Range Research. Credit 1 or more.	—	—
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	MWF11-12	—
Course 313—Survey of New Testament. (6-0)	2	—
1	Daily 9-10	—
Course 323—The Life of Jesus. (9-0)	3	—
1	Daily 7-8:30	—

Section	Theory	Practice
SECOND TERM		
Course 313—Survey of New Testament.	(6-0) 2	_____
1	Daily 9-10	_____
Course 323—The Life of Jesus. (9-0) 3		_____
1	Daily 7-8:30	_____

RURAL SOCIOLOGY
(See **AGRICULTURAL ECONOMICS**
AND SOCIOLOGY)

VETERINARY ANATOMY (V.A.)
J. H. MILLIFF, Head of Dept.
Office: Room 103, Anatomy Bldg.

FIRST TERM		
Course 611—Problems in Veterinary Anatomy. (6-12) 3		_____
1	Hours to be arranged.	_____

SECOND TERM		
Course 612—Problems in Veterinary Anatomy. (6-12) 3		_____
1	Hours to be arranged.	_____

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

J. P. DELAPLANE, Head of Dept.
Office: Veterinary Hospital

FIRST TERM		
Course 491—Animal Hygiene. (6-6) 3		_____
1	Daily 9-10	TTh2-5
Course 646—Avian Virus Diseases. Credit 1 to 4.		_____
1	Hours to be arranged.	_____
Course 647—Veterinary Virology. Credit 1 to 4.		_____
1	Hours to be arranged.	_____

SECOND TERM
No courses are to be offered.

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

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

FIRST TERM		
Course 465—Small Animal Practice. (9-0) 3		_____
1	Daily 9-10:30	_____
Course 473—Veterinary Clinics. (0-18) 2		_____
1	MTWTh1-4F1-5S10-12	_____

SECOND TERM		
Course 405—Methods of Veterinary Practice. (9-0) 3		_____
1	Daily 7-8:30	_____
Course 473—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.

Section	Theory	Practice
SECOND TERM		
Course 382—Parasites of Domestic Animals. (6-6) 3		_____
1	Daily 11-12	TTh2-5
Course 601—Veterinary Parasitology. Credit 1 to 4.		_____
1	Hours to be arranged.	_____

VETERINARY PATHOLOGY (V.Pat.)
H. A. SMITH, Head of Dept.
Office: Veterinary Hospital

FIRST TERM		
Course 243a—Veterinary General Pathology. (7-5) 3		_____
1	Daily 9-10:10	T2-5Th2-4
Course 245—Special Problems in Pathology. Credit 2.		_____
1	Hours to be arranged.	_____
Courses 643, 644, 645, 646, 647, 648, 650, 658, 660 are to be offered at hours to be arranged.		_____

SECOND TERM		
Course 243b—Veterinary General Pathology. (5-4) 2		_____
1	Daily 9-10	TTh3-5
Course 246—Special Problems in Pathology. Credit 2.		_____
1	Hours to be arranged.	_____
Courses 643, 644, 645, 646, 647, 648, 650, 658, 660 are to be offered at hours to be arranged.		_____

VETERINARY PHYSIOLOGY AND PHARMACOLOGY (V.P.P.)

P. W. BURNS, Head of Dept.
Office: Veterinary Hospital

FIRST TERM		
Course 321—Physiology of Farm Animals. (6-6) 3		_____
1	Daily 9-10	MWF1-3
Course 333—Veterinary Pharmacology. (9-0) 3		_____
1	Daily 7-8:30	_____

SECOND TERM
No courses are to be offered.

WILDLIFE MANAGEMENT (W.M.)

W. B. DAVIS, Head of Dept.
Office: Third Floor, Ag.En. Bldg.

FIRST TERM		
Course 300—Field Studies. Credit 4.		_____
1	Hours to be arranged.	_____
Course 670—Thesis. Credit 1 or more.		_____
1	Hours to be arranged.	_____
Course 673—Research on Wildlife Problems. Credit 2 to 6.		_____
1	Hours to be arranged.	_____

SECOND TERM		
Course 400—Fisheries Survey. Credit 4.		_____
1	Hours to be arranged.	_____
Course 413—Limnological Techniques. Credit 2.		_____
1	Hours to be arranged.	_____
Course 670—Thesis. Credit 1 or more.		_____
1	Hours to be arranged.	_____
Course 673—Research on Wildlife Problems. Credit 2 to 6.		_____
1	Hours to be arranged.	_____

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