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Announcement Graduate Study- The School Year 1937-39

Prairie View State Normal and Industrial College

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**BULLETIN OF
PRAIRIE VIEW STATE NORMAL AND
INDUSTRIAL COLLEGE**

Vol. 29

February, 1938

No. 2

ANNOUNCEMENT OF GRADUATE STUDY

FOR

1937-38 and 1938-39



Published quarterly by the Prairie View State Normal and Industrial
College, Prairie View, Texas

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COLLEGE CALENDER

Second Semester

1937-1938

March 21	Formal beginning of Graduate Study at Prairie View State College—half semester of work offered.
April 21	San Jacinto Day
May 18, 19, 20, 21,	Second Semester Examinations
May 22	Baccalaureate Sermon
May 23	Commencement Day
May 24	Second Semester Ends

Summer Session

June 6	Summer Session Begins
August 15	Summer Session Ends

First Semester

1938-1939

September 1	Registration of Nurses
September 13, 14,	Entrance Examinations
September 15	First Semester begins, Payment of Fees and Registration
September 19	Classroom Work Begins
November 11	(Armistice Day) Holiday
November 24	(Thanksgiving Day) Holiday
December 25	(Christmas Day) Holiday
January 1	(New Year's Day) Holiday
January 26, 27, 28, 29, 30, and 31	First Semester Examinations
January 31	First Semester Ends

Second Semester

February 1	Second Semester Begins
February 22	(Washington's Birthday) Holiday
April 21	(San Jacinto Day)
May 16, 17, 18, 19	Second Semester Examinations
May 21	Baccalaureate Sermon
May 22	Commencement Day
May 23	Second Semester Ends

Summer Session

June 5	Summer Session Begins
August 15	Summer Session Ends

ADMINISTRATION

W. R. Banks, A. M., Principal
 J. B. Cade, A. M., Registrar
 E. B. Evans, D. V. M., Director of Summer School
 E. M. Norris, Ph. D., Chairman of Graduate Study
 O. J. Baker, M. L. S., College Librarian
 C. W. Lewis, Local Treasurer

CO-ORDINATING OFFICERS

J. J. Abernethy, M. S., Director, Division of Mechanic Arts
 J. B. Cade, A. M., Director, Division of Arts and Sciences
 J. M. Franklin, M. D., Director, Division of Nursing Education
 E. C. May, M. S., Director, Division of Home Economics
 L. A. Potts, M. S. A., Director, Division of Agriculture
 E. L. Dabney, Dean of Men
 M. E. Suarez, Dean of Women

COMMITTEE AND CONSULTANTS ON GRADUATE
INSTRUCTION

- CORUTHERS, J. M., Agricultural Economics, B. S., Hampton Institute, 1925; M. S., University of Wisconsin, 1928; Ph. D., Cornell University, 1934.
- EVANS, E. B., Veterinary Medicine, 1918; D. V. M., Iowa State College, 1918; Graduate work at Iowa State College, Summers 1924-34.
- HARRISON, G. Lamar, Education, Head of Education Department; 1932. A. B., Howard, 1926; B. E., University of Cincinnati, 1927; M. A., 1929; Ph. D., Ohio State, 1936.
- NORRIS, E. M., Rural Education, B. S., Prairie View State College, 1927; M. S., Cornell University, 1931; Ph. D., Cornell University, 1934.
- SASSER, Earl Leslie, English, Head of English Department; 1928. B. S. Shaw, 1926; M. A., Cornell University, 1928; Ph. D., Cornell, 1936.
- SPAULDING, M. F., Agricultural Plant Science. B. S. A., Agricultural and Technical College, Greensboro, North Carolina, 1925; B. S., Cornell University, 1927; M. S., Cornell University, 1928; Ph. D., Massachusetts State College, 1935.
- BULLOCK, Henry Allen, Sociology, 1930. A. B., Virginia Union, 1928; A. M., University of Michigan, 1929; University of Michigan, 1934-35. Has fulfilled residence and partial language requirements for Ph. D.
- CADE, John B., Education, Director of Arts and Sciences Division, Registrar; 1931. A. B., Atlanta University, 1921; A. M., University of Chicago, Summers, 1928, 1933-34.

- DOOLEY, Thomas Price, Biology; 1934. A. B. Morehouse, 1927; M. S., University of Iowa, 1931; Graduate Work, University of Detroit, Summer 1928; Candidate for Ph. D., University of Iowa with two years of work completed.
- HARRISON, W. R., Agricultural Economics and Rural Sociology, 1931. B. S., Howard University, 1930; M. S., Cornell University, 1931; Cornell University, 1936-37.
- JACKSON, F. A., Economics, 1930. A. B., Atlanta University, 1924; M. B. A., New York University, 1930; New York University, 1934-35. Has fulfilled residence requirements for Ph. D.
- PERRY, R. Patterson, Chemistry, Chairman of Natural Science Department; 1927. A. B., Johnson C. Smith, 1925; M. S., Iowa University, 1927; Graduate work at Iowa University, 1931-32 and summer 1932.
- WARREN, S. E., History, Chairman of Social Sciences Department; 1932. A. B., Allegheny College, 1925; A. M., University of Wisconsin, 1929; University of Wisconsin, 1933-35. Has fulfilled residence and language requirements for Ph. D.
- ABERNETHY, J. J., Director of Mechanic Arts Division, 1916. B. S., Kansas State College, 1916; M. S., 1934.
- BAKER, O. J., Librarian, A. B., Morehouse College, 1930; B. L. S., Hampton Institute, 1931; M. L. S., Columbia University, 1936.
- CARPENTER, Charles E., French, Head of Language Department; 1925. B. L., University of California, 1901; M. L., University of California, 1908; Advanced work, University of Kansas, Summer 1932.
- MAY, E. C., Home Economics Education, Director of Home Economics Division, 1923. B. S., Kansas State College, 1919; M. S., 1933.
- POTTS, L. A., Director of Agriculture Division, 1929, B. S., Iowa State College, 1925; M. S. A., Cornell University, 1932.
- POWELL, M. L., Clothing; 1932. B. S., Hampton, 1929; M. S., Cornell, 1931; Columbia University, Summer 1935.
- PRESTON, Anne C., Education; 1933. B. S., Virginia State College, 1931; M. A., Columbia, 1932.
- WILSON, C. L., Mechanical Engineering, Superintendent of Buildings and College Utilities; 1932. B. S. in Mechanical Arts, Kansas State College, 1925; M. E., Kansas State College, 1929; M. S., Kansas State College, 1933.

COMMITTEE ON PLANS FOR GRADUATE STUDY

- E. M. NORRIS, B. S., M. S., Ph. D., Chairman; Professor of Rural Education
- J. J. ABBERNETHY, B. S., M. S., Director of Mechanic Arts.
- O. J. BAKER, A. B., B. L. S., M. L. S., Librarian
- J. B. CADE, A. B., A. M., Director of Arts and Science Division, Registrar, Co-ordinator of Instruction.

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- G. L. HARRISON, A. B., B. E., M. A., Ph. D., Head of Education Department.
- E. C. MAY, B. S., M. S., Director of Home Economics.
- R. P. PERRY, A. B., M. S., Chairman of Natural Science Department.
- L. A. POTTS, B. S., M. S. A., Director of Agriculture.
- E. L. SASSER, B. S., M. A., Ph. D., Head of English Department.
- S. E. WARREN, A. B., A. M., Chairman of Social Science Department.

GENERAL STATEMENT

The principal aim of graduate work at Prairie View State College is two-fold: (1) to provide the student with a comprehensive view of a major field of interest, (2) to train the student for individual or independent investigation in that field of major interest. It is expected that the graduate student seek to develop the power of independent work, to become intensely interested in the true spirit of research and to develop a scientific approach to all problems. It is also expected that the student become widely read in those fields which have direct bearing upon his major work and become familiar with the workers actively engaged in productive research in said fields. A high grade of scholarly work should distinguish the work of the graduate department from the fulfillment of routine requirements. The graduate student should supplement and correlate his understanding of his field, study its background and its relationship to other fields and thereby gain a broader and more practical understanding of its significance. He should be able to cast new light on specific phases of the field and in some way enlarge the scope. The graduate student should acquire technique of analyzing a body of data or observation and the power to express an independent and unprejudiced judgment.

Unhampered by the restrictions that necessarily obtain in undergraduate school the graduate student is expected to assume initiative and responsibility in carrying studies on the graduate level. All facilities for study and investigation afforded by the College are open to the graduate student in so far as he is qualified to make use of such facilities. Various opportunities for study, advice and assistance of teachers are regarded simply as aids to the student in acquiring for himself the discipline and method of independent scholarship.

ADMISSION

For admission to the Graduate Division an applicant must have received his baccalaureate degree from a senior college of recognized standing. In addition, his previous record must indicate fitness and ability to pursue advanced study and to do scholarly research. Furthermore, every student admitted must pass through a probationary period. After three months of residence a student's status in the Graduate Department, upon action taken by the Graduate Faculty, becomes either that of (1) candidate for a degree, or (2) non-candidate.

If after one semester a student fails to show progress, the Graduate Faculty may advise such student to withdraw. Persons seeking admission to the Graduate Division must have the Registrars of their undergraduate institutions file with the Graduate Office complete transcripts of their undergraduate record.

When details of admission have been completed, the prospective student will be given a **permit to enter**. This permit must be presented at the Graduate Office when the student reports for registration.

An application form, which is furnished free by the Graduate Office upon request, should be filled in and filed with the Chairman of the Graduate Division at least two weeks in advance of intended registration.

REGISTRATION

Each graduate student must register on or before the days set aside for registration at the beginning of each semester. A student may register at any time during the two weeks immediately preceding the formal registration days. Registration is not complete until fees are paid.

FEEES AND EXPENSES

Since all fees are payable as a part of the student's registration no person should come for registration without sufficient money to cover all of his fees and deposits.

1. Matriculation for a semester \$25.00 payable each semester the student is in attendance.

Matriculation for summer term \$12.50, payable each summer term the student is in attendance.

2. Activity fee \$5.00 for full regular session, \$2.50 for second semester enrollees. No fee for summer term. (This fee is optional for graduate students.)

3. Diploma fee \$10.00.

4. Room and board—graduate students may room on or off the campus. Good quiet rooms are furnished graduate students on the campus at the rate of \$10.00. Rooms in private homes range from \$6.00 to \$8.00 per month.

Graduate students may board on or off the campus. Board on the campus during the regular term may be secured in the faculty cafeteria by graduate students. During the summer a graduate students' section is reserved in the regular students' dining hall. Board in private homes ranges from \$14.00 to \$18.00 for two meals.

5. Transcript-of-record fee—one transcript of graduate work without charge is issued to or for a graduate student.

A charge of \$1.00 payable in advance will be made for each subsequent transcript issued to or for a graduate student.

6. Materials and laboratory fees for courses are listed with the courses requiring such fees.

SELECTION OF MAJOR AND MINOR FIELDS

Each student registered in the Graduate Department must select a **Major Field** to which he intends to devote the larger portion of his time. In addition to a **Major Field** a student must select a **Minor Field** properly related to his **Major**. Students may receive graduate credit for graduate courses and certain advanced undergraduate courses. Certain undergraduate courses may be required without credit allowance toward an advanced degree.

STUDENT'S ADVISORY COMMITTEE

Each student must select as his advisors a committee composed of not less than two teachers of graduate courses. This committee will be recommended by the Director of Graduate Work in consultation with the student. The personnel of the Committee must represent the fields in which the student is taking his major and minor work. A representative of the major field must be chairman of the student's Advisory Committee. This person shall be the chief adviser for the student and the director of the student's research.

A student must file with the Graduate Office, not later than two weeks after registration, a statement showing the consent of his Committee members to serve, together with a statement of major and minor fields selected.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

The requirements for the degree of Master of Science include (1) satisfactory completion of the minimum residence period, (2) satisfactory completion of certain graduate courses and certain supporting undergraduate courses, (3) presentation of a satisfactory thesis, and (4) the passing of a comprehensive examination.

1. **Residence**—At least a full academic year or the equivalent must be spent in resident graduate study and a minimum of thirty semester hours must be earned at Prairie View. A student shall not present himself for graduation until he has six months' residence to his credit after the date on which the Graduate Faculty approved his candidacy for an advanced degree.

2. **Course credits**—At least thirty semester hours of graduate work, including the thesis, must be completed satisfactorily. Ordinarily, twenty hours of graduate work in the major field and ten hours of graduate work in the minor field will be required.

3. **Thesis**—The thesis must have the approval of each member of the student's Reading Committee. This work must be acceptable with respect to both scholarship and literary quality. A candidate for an advanced degree must have his thesis subject approved by his Chairman at least seven months before the date he expects to present himself for graduation. A statement of this approval must be filed with the Graduate Office. A candidate should complete his thesis not later than one month before the date of his intended graduation in order that it may be examined by each member of the Advisory Committee for the student. The following directions should be rigidly followed in the writing of the thesis.

The thesis should be typewritten, double spaced, on a durable rag bond, 8½x11 inches, leaving the left hand margin at least an inch and a quarter wide, the right hand margin at least three-quarters of an inch, and the top and bottom margins at least three-quarters of an inch. Set up the title page according to the following form:

TITLE OF THESIS

A Thesis

Presented to the Graduate Division

of Prairie View State College

In partial Fulfillment of the

Requirements for the

Degree of

Master of Science

By

(Author's Name in Full)

(Date on which degree is to be conferred)

Following the title page there must be a biographical sketch of the author, not exceeding 200 words. An outline is furnished by the Graduate Office for this purpose. Further directions for thesis preparation will be placed in the hands of student at time needed.

Two copies of the thesis must be bound at the expense of the student and filed in the Graduate Office. One copy becomes the property of the College Library; the other becomes the property of the Graduate Office.

4. **Final Examination**—After the thesis has been completed and filed with the Graduate Office, the candidate must present himself for

the "final" examination. This examination may be written or oral or both. In scope it may include examination on subject matter of the major and minor fields, and the thesis. The examination will be conducted by the candidate's Advisory Committee and such other persons as the Advisory Committee may select with the professor in the major field, who has acted as chief adviser to the student, serving as the chairman of the examining committee. Any member of the Graduate Faculty may attend.

GRADING SYSTEM FOR GRADUATE STUDENTS

Course work of graduate students is reported as "A" (95-100) excellent; "B" (85-94) good; "C" (75-84) average; "D" (65-74) poor; "E" (below 65) failed.

No graduate credit is given for courses in which a grade lower than a "C" is received. In order to show satisfactory progress toward an advanced degree a student must receive a grade of A or B in not less than two-thirds of his work.

The work of a graduate student performed in connection with his thesis problem is reported as "satisfactory" or "unsatisfactory."

A graduate student may receive a grade of "I"—incomplete, in a course with the privilege of finishing the work later on. Such "incomplete" must be made up within twelve months after the close of the term in which the grade was earned, or no credit will be allowed for the course.

Graduate students registered in courses that are opened to advanced undergraduates must do a certain amount of work in addition to that required of undergraduates. The nature of this additional work may be the reading of additional books on the subject and presenting a review of same, the making of reports, or such other work as the teacher in charge of the course may deem wise.

COURSES OF INSTRUCTION

COURSE NUMBERS

Courses numbered 500-699 are, subject to the approval of the instructor, open to advanced undergraduate students as well as graduate students. Courses numbered 700 and above are open only to graduate students who have fulfilled prerequisites.

ADDENDA

FIRST AND SECOND SEMESTER COURSES

Regular Session

For first semester courses the middle figure of the Course Number is odd, (Example 713, 733, 753). For second semester courses the middle figure of the Course Number is even, (Example 723, 743, 763).

Summer Session

During the summer, first semester courses will be offered during odd years, (Example 1939, 1941) and second semester courses during even years, (Example 1938, 1940).

MAJOR AND MINOR FIELDS

A major may be selected in one of the following fields:

1. Agricultural Economics
2. Agricultural Education
3. Educational Administration and supervision
(During summer session)
4. Rural Education

A minor may be selected in one of the following fields:

1. Agricultural Economics
2. Agricultural Education
3. Educational Administration and Supervision
(During summer session)
4. Rural Education
5. Rural Sociology

products. A definite study is made of the various middlemen through which farm products pass from the producer to the consumer. Trips will be arranged for the class to visit and study markets. Prerequisite: Principles of Agricultural Economics.

503 THE AGRICULTURAL INDUSTRY. Three hours credit. A comparison of Agriculture with other industries. The economic development of Agriculture in the United States. Types of farming and their geographical locations. Trips will be arranged to study types of farming in different localities.

502, 522 AGRICULTURAL ECONOMICS. Seminar. Two hours credit. Current problems in Agricultural Economics will be discussed. Topics will be reported by students.

513 AGRICULTURAL FINANCE. Three hours credit. Financial requirements of individual farmers; emphasis will be placed also on credit institutions serving the farmers. Prerequisite: Principles of Agricultural Economics.

533 AGRICULTURAL ACCOUNTING. Three hours credit. Principles of accounting applied to the farm business.

543 ECONOMIC PROBLEMS OF THE CONSUMER. Three hours credit. The National and family income; the family budget and stretching the consumers' dollar; consumers' goods and services; substitutes; adulteration; legislation in behalf of consumers; consumers' cooperatives and other organizations; the economics of consumption; educational and consumer problems.

563 LABOR PROBLEMS. Three hours credit. Comparison of psychologies of business and labor groups. Evolution of industrial society and industrial problems. Development of trade unions; industrial disputes; bargaining; trade agreements; wages and workmen's compensation. Labor and the courts. Welfare and labor organizations.

583 CONTEMPORARY ECONOMIC PROBLEMS. Three hours credit. A course dealing with such current problems of our economic system as: economic instability and insecurity; wages, hours and organizations of workers; social waste; finance; and international relations. Prerequisite: a course in Economics, or graduate standing.

573 THE NEGRO IN AMERICAN LABOR MOVEMENTS. Three hours credit. A research and discussion in American labor history, emphasizing the status and role of Negroes from indentured service and slavery to their recent participation in farm and labor movements. For social science majors and graduate students.

602 SOCIAL LEGISLATION. Two hours credit. Compilation, analysis and application of state and federal laws affecting business, industry, agriculture, education, professional service, labor and consumers. Prerequisite: basic courses in economics, government, sociology and education, or consent of instructor.

AGRICULTURAL EDUCATION**Courses for Graduates**

713 PROBLEMS IN AGRICULTURAL EDUCATION. Three hours credit. Study of the community-program approach to agricultural problems. Procedure includes the scientific approximation of aims, objectives and standards. The course includes participation in field experience and field research.

723 PRINCIPLES OF TEACHING METHODS IN AGRICULTURAL EDUCATION. Three hours credit. The logical and psychological bases for selection methods of teaching agriculture.

733 PRINCIPLES OF AGRICULTURAL EXTENSION METHODS. Credit three hours. A study of principles underlying successful practices in agricultural extension as carried on under the Smith-Lever Act. Other courses to be selected from Rural Education list.

Courses for Graduates and Advanced Undergraduates

502, 522 AGRICULTURAL EDUCATION SEMINAR. Two hours credit. Designed for all graduate students having majors in Agricultural Education. Only candidates for an advanced degree are eligible to take this course.

Other courses to be selected from Rural Education list.

AGRICULTURAL SCIENCE

(Courses to supplement major work in Agricultural Education or Agricultural Economics)

Courses for Graduates

713 SOILS ADVANCED. Three hours credit. (3-0) Open to graduate students qualified in the basic sciences. The basic principles of soil formation and the different soils formed under these conditions will be discussed. Important soil types of Texas, soil profiles, soil fertility maintenance, depletion and the use of the soil survey. Prerequisite: Agronomy 323.

722 ADVANCED SOIL PHYSICS LABORATORY. Two hours credit. (0-4) Open to graduate students who have had the course in advance soils or the two may be taken simultaneously. Laboratory work in the mechanical analysis, the properties of soil constituents, clays, sands, loams, organic matter, lime, soil, color and conductivity.

743 ADVANCED SOIL BACTERIOLOGY. Three hours credit. (2-2) Open to graduate students who have had General and Soil Bacteriology. Studies of the occurrence and activities of bacteria molds, protozoa and algae of the soil and their functions in soil processes.

703, 723 RESEARCH IN SOILS AND CROPS. Three hours credit. Soil Bacteriology, Soil Fertility, Soil Physics (Nature and Properties),

Soil Management (crops, water and fertilizer relationships), and Soil Erosion (conservation).

Courses for Graduates and Advanced Undergraduates

503 SOILS. Open to graduates and advanced undergraduates. The general principles of soil formation, soil fertility, including the physical, chemical and biological factors affecting crop production and plant nutrients; depletion, maintenance and methods of maintaining a permanent agriculture. Prerequisites: Chemistry 114, 124, Agronomy 313.

513 AGRONOMY. Three hours credit. (2-2) Open to advanced undergraduates and graduate students. The course will consist of lectures and laboratory practice on commercial fertilizers, complete and incomplete fertilizers and their influence on the soil as indicated by colorimetric determination of plant nutrients. Soil from the home farm may be used. Prerequisites: Chemistry 114, 124, Agronomy 323.

533 AGRONOMY—BACTERIOLOGY. Three hours credit. (2-2) Open to advanced undergraduate and graduate students. Laboratory practice and lectures on the occurrence and the activities of soil bacteria and their influence on the decomposition of organic matter and soil fertility. Prerequisite: Biology 134.

523 AGRONOMY—SEED ANALYSIS. Three hours credit. (1-2) Open to advanced undergraduate and graduate students. Studies of the different families of seeds, seed adulterants and adulteration with some seed identification. Prerequisites: Agronomy 313 or 412.

522 ECONOMIC ENTOMOLOGY. Two hours credit. (1-2) Open to graduates and advanced undergraduates. Field and laboratory studies of beneficial and harmful insects. Life histories and recommended controls. Prerequisite: Science 412.

553 GENERAL FORESTRY. Three hours credit. Open to students with advanced training in Agriculture and Biology. Three field trips of a day's length each will be made to forests to study trees and commercial woods, forest planting, seed collection, wood lot management, tree scaling and timber estimating. Prerequisite: Botany 134.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Courses for Graduates

713 FUNDAMENTALS OF SCHOOL ADMINISTRATION. Three hours credit. Open to graduate students who hold or appointed to positions as principals or supervisors, or who have consent of Director. A brief survey of the history, principles, and practices in school administration followed by a more intensive study of problems (general and specific) involved in school administration. (Offered during summer term only).

733 ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION. Three hours credit. Open to all graduate students. A study of agencies for the education of adults. Aside from such topics as extension correspondence, special forums and parental education, attention is given to organization and administration of the special federal program of adult education.

722 FEDERAL RELATIONS TO EDUCATION. Two hours credit. The history of the development and analyses of the intricate problems of federal aid to public education.

723 SPECIAL PROBLEMS OF RURAL SCHOOL ADMINISTRATION. Three hours credit. Open to graduate students holding administrative and supervisory positions in rural areas. A study of the principles, practices, and problems of school administration with emphasis upon problems of schools location in rural areas. Reports required of all.

753 PRINCIPLES AND PRACTICES OF SUPERVISION. Three hours credit. Open to graduate students who hold or appointed to supervisory or administrative positions, or who have consent Director. Some practice in application of principles required of all. Deals with the principles, practices and problems of supervision. Special attention is given to organizations for supervision, supervisory programs, research in supervision, cooperation of special agencies, and qualifications for supervisors. (Offered during summer term only).

743 PRINCIPLES OF CURRICULUM BUILDING. Three hours credit. Open to graduate students who hold positions as principles and supervisors or who have consent of Director. Deals with the principles of curriculum construction in elementary and secondary education; investigates the sources of curriculum materials and methods of evaluating curricula. A study or investigation of some aspect of the curriculum is required of all students desiring credit.

Courses for Graduates and Advanced Undergraduates

523 or 543 ADMINISTRATION OF STUDENT PERSONNEL. Three hours credit. Open to students of senior and graduate standing. Deals with the common personnel problems of administrators and supervisors such as extra-curricula activities, guidance, student-faculty relationship; health; admissions; discipline; records and reports; etc.

533 or 553 HIGH SCHOOL ADMINISTRATION AND SUPERVISION. Three hours credit. For fuller description see current undergraduate catalog.

502 or 513 VOCATIONAL GUIDANCE. Two or three hours credit. Open to all graduate students. Surveys required of all students. A study of Vocational Guidance as a means of contributing to the major objectives of secondary education. Typical centers, movements, and programs as now carried on. Readings and reports.

573 or 583 SOCIAL AND ECONOMIC FACTORS AFFECTING INDUSTRIAL EDUCATION. Two or three hours credit. Open to graduate students qualified in Industrial Education. Surveys required of all students. A study of social and economic factors affecting industry, including the theories of labor and management, with special emphasis on the economic result of efficient Industrial Education.

593 ORGANIZATION AND PRESENTATION OF INDUSTRIAL ARTS SUBJECTS. Two or three hours credit. Open to graduate students qualified in Industrial Education. Research problems required of all students. Individual research problems of organization, presentation and administration of Industrial Arts subjects. The nature of the problem will depend upon the student's major interest. The data obtained may be used as the basis for the master's thesis.

522 or 532 ORGANIZATION AND PRESENTATION IN HOME ECONOMICS. Two semester hours credit for a term. Special requirements: persons who have graduated, or advanced Seniors. Special prerequisites: teaching experience; recent Home Economics methods course.

RESEARCH AND STATISTICS

Courses for Graduates

713 PRINCIPLES AND PRACTICES OF RESEARCH AND THESIS WRITING. Three hours credit. Required of all graduate students. Deals with the selection and evaluation of evidence, the organization and presentation of evidence and data, and published and unpublished aids in research. Each student will be expected to select his thesis problem before the end of the course.

733 PRINCIPLES OF STATISTICS. Three hours credit. A study of the collection and tabulation of data, form of statistical reports, graphical presentation, frequency distributions, averages, dispersion, variation, simple correlation, and index numbers. Required of all students pursuing work in Rural Sociology, Agricultural Economics and Agricultural Education.

RURAL EDUCATION

Courses for Graduates

713 RURAL SCHOOL AND COMMUNITY RELATIONS. Three hours credit. A course devoted to relationships in the field of rural education as they relate to the rural school, community, farm and home life. A study of the State Department of Education surveys, General Education Board and Julius Rosenwald Fund materials for rural schools is required.

723 RURAL SCHOOL SUPERVISION. Three hours credit. This course consists of lectures, readings and discussions with weekly observations of teaching in the Demonstration Schools. It deals with those special problems of supervision and necessary adaptation of general supervisory means which result from present conditions in rural areas. Topic from which selection is made on the basis of expressed needs of students enrolled in course are emphasized. The improvement of instruction through the coordination of cooperative agencies, curriculum revision, etc., is given consideration. This course is restricted to graduate students unless the applicant is engaged or has been engaged in supervisory work.

733 RURAL SCHOOL PROBLEMS. Three hours credit. This course affords an opportunity for study of a special problem in the teaching, supervision, or administration of rural schools or in rural sociology and economics. It may be undertaken only in connection with another rural education course and with the permission of instructors; and must be completed in residence. Laboratory practice is required of all students.

Courses for Graduates and Advanced Undergraduates

502 RESEARCH IN RURAL EDUCATION. Two hours credit. Adaptation of research technique to problems in Rural Education.

503 or 523 RURAL EDUCATION SEMINAR. One to three hours credit. This course deals with current problems in the field of rural education. The amount of work accomplished by the student determines the credit given for the course.

513 RURAL COMMUNITY RECREATION. Three hours credit. A course designed for rural community leaders dealing with leisure time activities for the promotion of the recreational and cultural side of rural life. Special emphasis is placed upon home and school play, picnics, family and social recreation, contest and old time games, art-craft, community fair, drama and music. Opportunity is provided for laboratory practice. A limited number of students may enroll in this course with permission from the instructor.

533 PROBLEMS OF RURAL HEALTH. Four hours credit. (4-0) Open to graduates qualified in Agriculture, Home Economics and Science majors from the Arts and Sciences Division. Laboratory and field practice is required of all students enrolled in this course. A course for rural teachers and leaders which includes a study of advance Bacteriology, Epidemiology, sanitation and hygiene and health problems. Prerequisite: Biology 334, Bacteriology.

553 LIBRARY SCIENCE. Functions and use of the library. Two semester hours credit. Open to graduate and advanced undergraduate students. An introduction to the use of books and libraries and to bib-

liography making. A study of the place of the library in the school and in the community, library extension agencies and their services, and the relation of the library to adult education. Lectures, reading, and reports.

522 SPECIAL PROBLEMS OF GUIDANCE AS APPLIED TO RURAL EDUCATION. Two hours credit. A consideration of the major problems, principles and techniques of guidance as applied to rural situations.

573 PSYCHOLOGY FOR STUDENTS OF EDUCATION. Three hours credit. See Education 283, of current catalog. General principles of human psychology as they relate to the learning process.

RURAL SOCIOLOGY

Courses for Graduates

713 RURAL COMMUNITY ORGANIZATION. Three hours credit. A study of practical problems of rural community organization. The course is designed to study methods of developing organizations through rural leadership, analyzing needs of the community, building and coordinating community programs. Prerequisite: Courses in general sociology, rural sociology and economics.

702 or 722 RURAL SOCIOLOGY SEMINAR. Two hours credit. Rural community problems will be discussed by students, faculty members, and visiting lecturers.

Courses for Graduates and Advanced Undergraduates

502 RURAL PLANNING. Two hours credit. Survey of existing and proposed types of planning for Rural Social Organization. The course is open to all students who have taken Rural Sociology. Term problems and periodic reports are required of all students registered.

513 RURAL SOCIOLOGY. Three hours credit. A study dealing with origin, nature and development of forms of associations in the rural community. A course intended as a basis for special courses. Term paper and periodic reports are required of all students.

523 RACE AND MIGRATION. Three hours credit. A study of the origin, distribution, and contacts of races. The process of race contact and conflict will be studied with special emphasis upon southern areas. Prerequisites are two courses in Sociology and one course in European History. Lectures, class discussion and term paper.

533 RURAL COMMUNITY PROBLEMS. Two hours credit. This is a study of social problems found in rural communities. Such community problems as health, standard of living, religion and recreation will be considered. The class will be broken into small groups for the purpose of class reports. Prerequisite is Rural Sociology and Introduction to Sociology.

553 or 573 RURAL SOCIAL RESEARCH. Three hours credit. This course involves a study of the various methods involved in social research and investigation. Historical, case study, psychological, and other methods will be used. Prerequisite: All students seeking major or minor in Sociology.