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Announcement of the
University Division of
Education
1926-27

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THE UNIVERSITY CALENDAR FOR 1926-27

Observed by all the departments of the University at Ithaca.

1926		FIRST TERM
Sept.	13, <i>Monday,</i>	Entrance examinations begin.
Sept.	22, <i>Wednesday,</i>	Registration and assignment of new students.
Sept.	23, <i>Thursday,</i>	
Sept.	24, <i>Friday,</i>	Registration and assignment of old students.
Sept.	25, <i>Saturday,</i>	Assignments concluded.
Sept.	27, <i>Monday,</i>	Instruction begins at 8 A. M.
Oct.	15, <i>Friday,</i>	Last day for payment of tuition for the first term.
Nov.	25, <i>Thursday,</i>	Thanksgiving Day: a holiday.
Dec.	22, <i>Wednesday,</i>	Instruction ends at 1 P. M.
1927		} Christmas Recess
Jan.	5, <i>Wednesday,</i>	
Jan.	11, <i>Tuesday,</i>	Instruction resumed, 1 P. M.
Jan.	22, <i>Saturday,</i>	Founder's Day.
Jan.	24, <i>Monday,</i>	Instruction ends.
Feb.	2, <i>Wednesday,</i>	Term examinations begin.
Feb.	3, <i>Thursday,</i>	Term ends.
		A holiday.
		SECOND TERM
Feb.	4, <i>Friday,</i>	Registration of all students.
Feb.	5, <i>Saturday,</i>	
Feb.	7, <i>Monday,</i>	Instruction begins at 8 A. M.
Feb.	28, <i>Monday,</i>	Last day for payment of tuition for the second term.
April	2, <i>Saturday,</i>	Instruction ends at 1 P. M.
April	11, <i>Monday,</i>	Instruction resumed, 8 A. M.
May	21, <i>Saturday,</i>	Spring Day: a holiday.
May	30, <i>Monday,</i>	Term examinations begin.
June	7, <i>Tuesday,</i>	End of term examinations.
June	13, <i>Monday,</i>	COMMENCEMENT.
		} Spring Recess

UNIVERSITY DIVISION OF EDUCATION

FACULTY

LIVINGSTON FARRAND, A.B., M.D., L.H.D., LL.D., President of the University.

ADMINISTRATIVE COMMITTEE

GEORGE ALAN WORKS, Ed.D., Chairman of the Division.

THEODORE HILDRETH EATON, Ph.D.

RIVERDA HARDING JORDAN, Ph.D.

PAUL J. KRUSE, Ph.D.

ROBERT MORRIS OGDEN, Ph.D.

STAFF OF INSTRUCTION

THOMAS LEVINGSTON BAYNE, Jr., M.S., Instructor in Rural Education.

CORA ELLA BINZEL, B.S., Professor of Rural Education.

ISABEL BULL, B.S., Instructor in Rural Education.

JULIAN EDWARD BUTTERWORTH, Ph.D., Professor of Rural Education.

EMMA CONLEY, B.A., Acting Professor of Rural Education.

THEODORE HILDRETH EATON, Ph.D., Professor of Rural Education.

EMERY N. FERRISS, Ph.D., Professor of Rural Education.

FRANK S. FREEMAN, Ed.M., Instructor in Education.

ARTHUR WARD GILBERT, B.S., Instructor in Education.

EDWIN RAYMOND HOSKINS, M.S.A., Instructor in Rural Education.

RIVERDA HARDING JORDAN, Ph.D., Professor of Education.

PAUL J. KRUSE, Ph.D., Professor of Rural Education.

MAY MARGARET MATTSON, B.S., Instructor in Rural Education.

CLYDE B. MOORE, Ph.D., Professor of Rural Education.

ROBERT MORRIS OGDEN, Ph.D., Professor of Education.

E. LAURENCE PALMER, Ph.D., Professor of Rural Education.

C. WILSON SMITH, LL.B., Ed.M., Assistant Professor of Education.

ROLLAND MACLAREN STEWART, Ph.D., Professor of Rural Education.

ADELIN WHITE, M.A., Acting Assistant Professor of Rural Education.

GEORGE ALAN WORKS, Ed.D., Professor of Rural Education.

ASSISTANTS

ROLLIN H. BARRETT, B.S., Assistant in Rural Education.

WILLIAM D. WARREN, B.S., Assistant in Rural Education.

UNIVERSITY DIVISION OF EDUCATION

The formation of a University Division of Education at Cornell University was authorized by action of the Trustees on February 6, 1926. The Division has been formed by the affiliation of the Department of Education in the College of Arts and Sciences and the Department of Rural Education in the New York State College of Agriculture. This action did not discontinue the two departments but was designed to provide for a fuller coordination of their efforts than had previously existed. Each department maintains its autonomy and continues to perform such functions as are of primary concern to its college.

The offices of the division are in Sage College. The chairman of the division and the professor in charge of the appointment service will maintain regular hours in the Division offices. The appointment service is directed from this office. The activities of the University Committee on Mental Ability Testing are also conducted from it. The Department of Education in the College of Arts and Sciences and the Department of Rural Education in the College of Agriculture have their offices, laboratories, and class rooms in Goldwin Smith Hall and in Caldwell Hall, respectively.

PURPOSES OF THE DIVISION

The University Division of Education provides, through the cooperation of the existing departments, a means for meeting the needs of the University for work in Education.

The purposes of the Division are:

1. To offer undergraduates in Cornell University opportunity to obtain the professional preparation commonly required of those desiring to teach in the public schools. To this end a group of introductory courses designed for those who have had no teaching experience is offered.
2. To provide opportunity for advanced study for those who have had teaching experience. Persons engaged in teaching who desire to increase their professional equipment or to prepare themselves for more specialized positions than they are now holding will find courses designed to meet their needs.
3. To furnish opportunity for research and experimentation in educational theory and practice.
4. To satisfy the demand for extension courses on the part of teachers in service.
5. To maintain an adequate placement service for workers in Education.

All undergraduate resident students in the Division must be enrolled in some college of the University. This means that they must

meet the admission requirements of the college in which they are registered. Registration will admit them to such courses in the Division as they are qualified to pursue. In any extension courses that may be offered the students must meet such requirements as may be provided in connection with the courses.

The completion of a course in the University Division of Education does not necessarily mean that the course will be credited toward the degree of a particular college in the University. Those courses which appear in the announcements of the College of Arts and Sciences and the College of Agriculture are credited by the respective colleges. Students making elections from courses not included in the offerings of their college should make certain that they are acceptable to that college.

TUITION FEES IN THE UNDERGRADUATE COLLEGES

Facts regarding tuition fees in the various colleges of the University may be found in the General Circular of Information.

GRADUATE WORK

Qualified students may be admitted to candidacy for the Master's degree or for the degree of Doctor of Philosophy with a major or a minor in some phase of Education.

A graduate of any college in which requirements for a first degree are substantially equivalent to those for the first degree at Cornell may be admitted to resident study in the Graduate School. He may at once enter upon candidacy for an advanced degree if he can show that he is qualified to pursue the subjects in which he proposes to work. The requirements for the degree are based upon actual achievement in scholarship and research in the fields indicated by the major and minor subjects, and do not depend primarily on the completion of any prescribed number of courses or of a fixed term of residence. Graduate work at Cornell is not expressed in terms of courses or of hours. The writing of a thesis and the passing of a special examination are also required. The minimum period of residence for the Master's degree is one academic year or its equivalent, and for the Doctor's degree three years.

The residence requirements for advanced degrees may be fulfilled in whole or in part by attendance during the Summer Session of the University. For this purpose, two Summer Sessions will be regarded as the equivalent of one term, and four Summer Sessions as the equivalent of one year. Candidates for a Master's degree who are in residence during Summer Sessions only are required to continue their studies during the year under the direction of the chairman of the special committee in charge of their work.

Under certain conditions candidates for advanced degrees may work under the personal direction of some member of the faculty

during the summer and have this work counted as residence credit.

In order to avoid delays at the beginning of the academic year, those who desire to enter the Graduate School are advised to make application for admission, either in person or by letter, in the preceding spring or summer. They should address the Dean of the Graduate School, Cornell University, Ithaca, N. Y., and also communicate with the professor under whose direction they desire to study.

A *Tuition Fee* of \$75 for the academic year is to be paid by all students registered in the Graduate School. It is payable in installments of \$37.50 at the beginning of each term.

Certain classes of students are exempt from the payment of the tuition fee. They are:

(1) Graduate students holding appointments as University Fellows or Graduate Scholars.

(2) Graduate students holding appointments as assistants and instructors and having their major studies in the college or line of work in which they are instructing are exempt from the payment of tuition fees and laboratory and shop fees in the department in which they are employed to give instruction; members of the instructing staff who take work for which they must pay tuition are required to pay in proportion to the amount of work for which they are registered.

(3) Graduate students who at the beginning of the college year are, and for at least twelve months prior thereto have been, *bona fide* residents of the State of New York and whose major work is taken in departments connected with the New York State College of Agriculture, the New York State Veterinary College, or the New York State College of Home Economics.

For complete information regarding graduate work, the Announcement of the Graduate School should be consulted.

APPOINTMENT SERVICE FOR TEACHERS

An appointment service is maintained by the Division. Its purpose is to assist men and women who have studied or who are studying at Cornell University to secure positions in educational work. Such persons are invited to use this service, which is performed without charge. Those desiring assistance should communicate with the Office of the Division.

OBSERVATION AND DIRECTED TEACHING

Special arrangements have been made with the local school authorities for the observation of teaching. To facilitate further the training of teachers in certain phases of the work provision has been made for directed teaching in the nearby villages of Trumansburg and Groton.

PHYSICAL EDUCATION

The University Department of Physical Education offers a four-year undergraduate course designed to meet the requirements for the New York State Teacher's Certificate in Physical Education.

The undergraduate desiring to prepare for the teaching of physical education should select the necessary courses in Education from those offered by the Division of Education.

METHODS COURSES IN ACADEMIC SUBJECTS

A group of courses for prospective teachers is offered in the College of Arts and Sciences to prepare for teaching various subjects of the secondary school curriculum. A description of each course will be found in the announcement of the College of Arts and Sciences.

TEACHERS' COURSE IN ENGLISH (English 69). Professor NORTHUP.

TEACHING OF FRENCH (French 30). Professor MASON.

TEACHERS' COURSE IN GERMAN COMPOSITION (German 39). Professor BOESCHE.

TEACHERS' COURSE IN METHODS (German 40). Professor FAUST.

TEACHING OF HISTORY (History 101). Professor BRETZ.

TEACHERS' TRAINING COURSE IN LATIN (Latin 26). Professors ELMER and DURHAM.

TEACHERS' COURSE IN MATHEMATICS (Mathematics 20). Assistant Professor CRAIG.

TEACHING OF PHYSICS IN SECONDARY SCHOOLS (Physics 91). Mr. FISHER.

TEACHERS' COURSE IN SPEECH TRAINING (Public Speaking 68). Assistant Professor MUCHMORE.

COURSES FOR CERTIFICATION

The officers of the Division are prepared to advise with students regarding the certificate requirements for various grades of professional service in the several States. These requirements vary so greatly that no general information can be given in a brief space. It is the intention of the Division to offer courses which will insure qualification for teaching certificates generally, but in many cases this will involve the working out of special programs for individual students. Accordingly, students are advised to communicate with the Office of the Division for information regarding their special needs.

THE SUMMER SESSION

The term of the Cornell University Summer Session covers a period of six weeks from early July to the middle of August. A wide range of courses is offered for those in educational work. Prospective students should apply to the Secretary of the Summer Session for a copy of the official announcement.

COURSES OF INSTRUCTION

In the statement of courses given below the term "Education 1," "Education 2," etc., given in parenthesis following the name of the course, indicates that the course is offered by the Department of Education. "Rural Education 1," "Rural Education 101," etc., means that the course is offered by the Department of Rural Education.

All courses offered by the Department of Education require Psychology 1, 1a, or 1b, as a prerequisite. In the Department of Rural Education courses numbered under 100 are intended primarily for underclassmen; those from 101 to 200

are primarily for upperclassmen and graduate students; while those numbered 201 and over are primarily for graduate students. It should be noted that courses carrying the same name are not necessarily equivalents.

Introduction to Problems of Public Education (Rural Education 1). Second term. Credit two hours. Open to freshmen and sophomores only. T Th 9. *Caldwell 143*. Professor WORKS.

The purpose of this course is to introduce students to some of the more important problems of education.

Introduction to Problems of Public Education (Rural Education 101). First term. Credit two hours. Open to juniors and seniors only. T Th 9. Professor WORKS.

EDUCATIONAL PSYCHOLOGY

Educational Psychology (Education 1). Either term. Credit three hours. Lectures and recitations. First term: Professor OGDEN and Mr. GILBERT. M W F 11. Second term: Mr. FREEMAN and Mr. GILBERT. M W F 10. *Goldwin Smith 142*.

A study of functional psychology with special reference to the learning process and its application to educational theory and practice.

Psychology for students of Education (Rural Education 111). Either term. Credit four hours. Open to juniors and seniors. Professor KRUSE, Mr. BAYNE, and _____.

First term: Section 1, lectures, M W F 11, *Caldwell 143*; laboratory, T 2-4:30, *Caldwell 282*. Section 2, lectures, T Th S 8, *Home Economics Building 100*; laboratory, W 2-4:30, *Caldwell 282*. Section 3, lectures, M W F 9, *Caldwell 143*; laboratory, Th 2-4:30, *Caldwell 282*.

Second term: Section 1, lectures, M W F 11, *Caldwell 143*; laboratory, T 2-4:30, *Caldwell 282*. Section 2, lectures, T Th S 8, *Caldwell 143*; laboratory, Th 2-4:30, *Caldwell 282*.

Experimental Education (Education 6). Second term. Credit two hours. Prerequisite, Education 1 or the equivalent and Psychology 3; Mr. GILBERT. T Th 2. *Goldwin Smith 248*.

The chief problems of experimental education; the application of psychological and statistical methods to problems in educational psychology; chief results and practical bearings.

Psychology for students of Child Training (Rural Education 115). First term. Credit four hours. Open to juniors and seniors. Lectures, M W F 9, *Caldwell 143*. Laboratory, M 2-4:30, *Caldwell 282*. Professor KRUSE.

Psychology for students of Child Training (Rural Education 116). Second term. Credit two hours. Open only to students who have had Rural Education 111 or its equivalent. Lectures, T Th 11, *Caldwell 143*. Professor KRUSE.

Mental Development (Education 17). First term. Credit two hours. Prerequisite, Education 1 or the equivalent. Professor OGDEN. T 2-4. *Goldwin Smith 248*.

A course in child psychology, dealing with the facts of mental growth and their interpretation.

Psychology for students of Education (Rural Education 211a). First term. Credit four hours. For mature students with teaching experience. Lectures, M W F 11-12:30, *Caldwell 282*. Mr. BAYNE.

Psychology for students of Education (Rural Education 211b). Second term. Credit four hours. For members of the teaching staff. Lectures, M W F 11-12:30, *Caldwell 282*. Professor KRUSE.

Experimental Investigation (Education 8). Repeated in second term. Credit and hours to be arranged. Prerequisite, Education 6 or 7. Professor OGDEN and Mr. FREEMAN. *Goldwin Smith 251*.

Experimental study of a special problem in educational psychology or in mental measurements.

Reading of German Educational Psychology (Education 9). First term. Credit two hours. Prerequisite, Education 1 or the equivalent. Professor OGDEN. W 4-6. *Goldwin Smith* 248.

The aim of the course is to aid in facility of translation and to familiarize the student with certain monographic literature.

Seminary in Educational Psychology (Rural Education 218). Second term. Credit two hours. Th 4-6. *Caldwell* 282. Professor KRUSE.

EDUCATIONAL METHOD

Method and Procedure in Teaching in Secondary Schools (Rural Education 121). Either term. Credit three hours. Open to juniors and seniors who have completed Rural Education 111 or its equivalent.

Lectures: first term, M W F 11, *Home Economics* 100; second term, section 1 M W F 11, *Caldwell* 100; section 2, M W F 8, *Roberts* 292. Professors FERRISS and MOORE.

The development of certain principles of teaching in secondary schools, and their application to practical questions arising from the problems of selecting and organizing teaching materials, planning class work, making the assignment, determining classroom and laboratory methods, directing study, managing the class, measuring the results of teaching, and so forth, considered in the light of the principles developed.

Method and Procedure in High School Teaching (Education 4). First term. Credit three hours. For seniors only. Professor JORDAN. M W F 11; M W F 3. *Goldwin Smith* 242.

Designed for students who expect to teach in secondary schools. The relation and duties of high school teachers to their students, to the community, and to the state; methods of class management and types of recitation. Observation of actual high school classes required.

Observation and Practice in High School Method (Education 4a). First term. Credit one hour. For seniors only. Professor JORDAN and Mr. ————. M 4. *Goldwin Smith* 256.

Planned to be taken coincidentally with Course 4.

Principles of Method (Rural Education 222). Second term. Credit three hours. Prerequisite, Rural Education 211, or its equivalent. Alternates with Rural Education 292. Lectures, M W F 9. *Caldwell* 282. Professor STEWART.

Deals with typical teaching situations to discover the fundamental principles involved; special forms of teaching, such as the project, the survey, individual instruction, directed study, and other classroom methods.

Teaching the Elementary School Subjects (Rural Education 223). First term. Credit three hours. M W F 8. *Caldwell* 282. Professor MOORE.

A course designed for experienced elementary school teachers, supervisors, and others who are concerned with recent developments in this field. A critical consideration of important research studies which have a direct bearing upon the teaching of the elementary school subjects.

The Teaching of Citizenship (Rural Education 124). First term. Credit two hours. Lectures, W 4-6. *Caldwell* 143. Professor MOORE.

A course designed for teachers and prospective teachers in the elementary schools and junior high schools. It will include a consideration of the nature and functions of citizens before reaching the high school, incidental versus systematic training, civic objectives, citizenship in relation to history and geography, the school as a social institution, and current methods of teaching citizenship, such as the recitation, the project, discussion and debate, dramatization, biography and story, and civic participation.

Seminary in Elementary Education (Rural Education 227). Second term. Credit two hours. T 4-6. Professor MOORE.

Open to graduate students who are specially interested in elementary school problems. The topics considered will vary from year to year depending upon the interests of those participating.

Teaching Agriculture in the High School (Rural Education 131). First and second terms. Credit three hours a term. Open to students who have completed Rural Education 111, who have met the farm-practice requirements, and whose progress in the prescribed courses in agriculture is adequate. Lectures, T Th 8, *Caldwell* 282. Laboratory, not less than a one-half day teaching period a week in the practice school. Conferences by appointment. Professor STEWART and Mr. HOSKINS.

[**The Teaching of Agriculture in the High School** (Rural Education 132). Second term. Credit three hours. Professor STEWART. Not given in 1926-27.]

A consideration of the problems confronting the teacher of agriculture: the purpose of the instruction; the determination of courses of study and the making of curricula for departments of agriculture; the forms of teaching used, including a consideration of the use of the project and the survey; the selection and utilization of textbooks, supplementary materials, and other facilities for teaching; the relation of the teacher to the community, to the school, and to the Division of Vocational and Extension Education of the State Department.

Directed Teaching in Agriculture (Rural Education 133). First or second term. Credit from two to five hours, amount to be determined by work done. There is opportunity for a limited number of apprentice teachers. Students planning to take this course should arrange with the department during their junior year. Professor STEWART and Mr. HOSKINS.

This course is designed to give students opportunity for observation and teaching under the guidance of the department.

Methods of Extension Teaching in Agriculture (Rural Education 137). Second term. Credit two hours. Open to seniors and graduate students. Prerequisite, Rural Education 111 or the equivalent. W F 9. *Roberts* 92. Professors EATON and D. J. CROSBY.

A study of methods of group and individual teaching appropriate to the work of county agricultural agents and junior project leaders.

Methods of Extension Teaching in Home Economics (Rural Education 138). Second term. Credit two hours. Open to seniors and graduate students. Prerequisite, Rural Education 111 or the equivalent. W 12, F 2-4:30. *Home Economics* 100. Professor EATON and Assistant Professor MORTON. (See Extension 100, Home Economics.)

A study, with practice, of methods of teaching appropriate to the work of home demonstration agents and junior club agents.

The Teaching of Home Economics in the High School (Rural Education 135). Second term. Credit three hours. Should be taken by juniors. Lectures, T Th 8, *Home Economics* 100. Laboratory, T or Th 2-4:30, *Caldwell* 143. Assistant Professor CONLEY.

This course is concerned with modern methods of teaching as related to the field of home economics. Problems treated: types and purposes of homemaking courses; the needs and native interests of the high-school girl, and the project as one means of meeting these needs; the socialized curriculum; the socialized class hour and assignment; supervised study; the plant and equipment; textbooks; the school lunch; the relation of the home economics department to the school and to the community. A one-day excursion is a part of the course.

Directed Teaching in Home Economics (Rural Education 136). Either term. Credit two to five hours, amount to be determined by work done. Open to students preparing to teach home economics. Students planning to take this course should arrange with the department during the junior year. General conferences, S 8-10, *Caldwell* 282. Assistant Professor CONLEY, Miss MATTSON, and Miss BULL.

This course is designed to give students opportunity for observation and teaching under the guidance of the department. A week-end trip for the purpose of studying equipment is a part of the course.

The Teaching of Science in the Rural Secondary Schools (Rural Education 125). Second term. Credit two or three hours. Prerequisite, Rural Education 111 and 121 or equivalents. Lectures, T Th 10, *Fernow* 16. —————.

This course is designed to help high-school science teachers in the organization of their material, to aid them in introducing scientific ideas to high-school students, and to point out, particularly to teachers of biology, useful sources of information and supply. Opportunity is provided for observation of high-school science teaching for the third hour of credit.

Problems of Extension Teaching (Rural Education 239). Second term. Credit three or four hours. Open to graduate students who have completed Rural Education 211 or the equivalent, and who have had teaching or extension experience in agriculture. Open to seniors who have completed Rural Education 111 or the equivalent and Extension 100 or Extension Teaching 103. Experience in extension work may be accepted as the equivalent of these latter courses. From four to six field trips will be a required part of the course. Those who seek the four hour credit must undertake special problems calling for field studies. T Th 11-12:30. *Caldwell* 282. Professor EATON.

A study of aims and methods of extension work in their broader aspects.

Seminary in Problems of Extension Work (Rural Education 240). Second term. Credit two hours. Th 4:30. *Caldwell* 282. Professor EATON and members of the Extension Staff.

Seminary in Agricultural Education (Rural Education 250). Second term. Credit two hours. Required of graduate students in agricultural education, W 4:30. *Caldwell* 282. Professors EATON, STEWART, and WORKS.

EDUCATIONAL MEASUREMENT

Mental and Educational Measurement (Education 7). First term. Credit three hours. Prerequisite, Education 1 or Rural Education 111. Mr. FREEMAN. Lectures, T Th 9, *Goldwin Smith* 236. Laboratory: Section A, T 2-4:30; Section B, Th 2-4:30. *Goldwin Smith* 248.

The single tests and test systems; the bearing of tests upon problems of psychological theory (nature and distribution of intelligence, the correlation of abilities, etc.). The laboratory work will afford some practice in administering individual and group tests.

Mental and Educational Measurement (Rural Education 251). Second term. Credit three hours. Prerequisite, permission to register. Primarily for graduate students. Lectures, M W 4:30-5:45, *Caldwell* 282. Mr. BAYNE.

Mental and educational measurement in relation to the classification of pupils, determination of the progress of pupils and individual difficulties. The determination of final marks will be treated. Typical tests and scales, and common statistical terms and methods will be studied in relation to the above problems.

Conferences on Statistical Methods (Rural Education 252). Credit may be arranged. By appointment. *Caldwell* 225. Mr. BAYNE.

PREPARATION OF TEACHERS FOR NORMAL SCHOOLS AND COLLEGES

[Problems of College Teaching (Rural Education 243). First term. Credit three hours. Prerequisite, Rural Education 211 or its equivalent. M W 11-12:30. *Caldwell* 282. Professor WORKS. Not given in 1926-27.]

The purpose of this course is to introduce students to the problems involved in college teaching and to assist in their solution; to consider aims, functions, and present practices in college instruction; and to analyze the work of the college teacher. An effort will be made to relate the lectures, reports, and discussions to the instructional work of the College of Agriculture.

Seminary in Problems of College Teaching (Rural Education 244). Second term. Credit two hours. Open to students who have had Rural Education 211 and 243 or the equivalent. Th 4:30. *Caldwell* 143. Professor WORKS.

[**The Preparation of Teachers for Rural Schools** (Rural Education 241). Credit three hours. M W F 10. *Caldwell* 282. Professor BUTTERWORTH. Not given in 1926-27.]

To meet the needs of those now responsible for the training of teachers in rural elementary and secondary schools or who are preparing for such duties in normal schools and universities.

College Preparation of Teachers of Agriculture (Rural Education 245). First term. Credit three hours. Open to graduate students of approved qualifications only. Hours to be arranged. *Caldwell* 492. Professor EATON.

A study of the organization of departments and systems in the Land-Grant colleges for the preparation of teachers of agriculture of vocational purpose in secondary schools.

The Preparation of Teachers of Home Economics (Rural Education 248). First term. Credit three hours. Open to graduate students only. Lectures. T Th S 10. *Caldwell* 143. Assistant Professor CONLEY.

This course is designed to meet the needs of persons who have had both technical preparation in home economics and teaching experience, and who desire to prepare for the social problems involved in the professional work of preparing teachers of home economics subjects on a vocational basis. It treats of collegiate and secondary curricula in home economics with reference to the technical preparation of teachers, their professional needs, supervised teaching experience, and the organization and content of special-methods courses in home economics.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Principles of School Administration and Supervision (Rural Education 161). Second term. Credit three hours. M W F 9. *Caldwell* 282. Professor BUTTERWORTH.

An introductory course covering the general problems of the field: types of school units; state and county organization; functions of boards of education; selection, promotion and tenure of teachers; training teachers in service; pupil accounting; the school building; curriculum reconstruction; financing the school system; and the like. Open to advanced undergraduates and to graduate students without administrative experience.

[**City School Administration and Supervision** (Education 10). Throughout the year. Credit two hours a term. Prerequisite, Education 1 or its equivalent. M W 9. *Goldwin Smith* 248. Professor JORDAN. Not given in 1926-27.]

Principles of administration and supervision of state and city school systems, involving problems of evaluation and improvement of teaching, and of the subject matter in the public schools. The course will be adapted to the particular needs of the class.

The Administration of Rural Schools (Rural Education 261). Second term. Credit three hours. T Th 11-12:30. *Caldwell* 282. Professor BUTTERWORTH.

A course for students of experience dealing with the problems of organizing and administering education in country and village districts.

Special Problems in School Administration (Rural Education 262). This course is divided into units in such a manner as to include the major problems of the school administrator.

[**A. School Finance**. Second term. Credit two hours. Professor BUTTERWORTH. Not given in 1926-27.]

[**B. The School Population**. Second term. Credit two hours. Professor BUTTERWORTH. Not given in 1926-27.]

C. The School Plant. Second term. Credit two hours. T Th 9. *Caldwell* 282. Professor BUTTERWORTH.

Standards for school buildings; measurement of school building facilities; planning the building program to meet the school needs of the community; the financing of school buildings; modern equipment for the school plant; and similar problems.

Procedures and Technique in Supervision (Rural Education 263). First term. Credit three hours. Lectures, M W F 10, *Caldwell* 282. Professor MOORE.

The purpose of this course is to assist graduate students of experience to improve their supervisory procedures and techniques. The course will include a survey of the literature related to supervisory problems and an evaluation of the theories and practice involved. Schools will be visited and procedures observed from the viewpoint of the supervisor.

Seminary in Rural School Administration (Rural Education 264). Credit two hours. Designed for those desiring an intensive study of certain problems of rural school administration. Professor BUTTERWORTH. Not given in 1926-27.]

Administration and Supervision of Vocational Agriculture (Rural Education 267). Second term. Credit three hours. Open to graduate students only. Lectures, M W 11-12:30, *Caldwell* 282. Professor WORKS.

A course designed for persons fitting themselves for state supervision of agricultural education. It treats of: administration and supervision of agricultural education under the Federal Vocational Education Act; state legislation relating to agricultural education; curriculum and course-of-study problems; supervision and comparative study of types of schools. Visits to schools in New York and adjacent States are required as a part of the course.

The Administration and Supervision of Home Economics (Rural Education 269). Second term. Credit three hours. Open to graduate students only. Lectures, T Th 10. Laboratory to be arranged. *Caldwell* 282. Assistant Professor CONLEY.

This course is intended for supervisors and for teachers who are preparing for supervisory positions in the field of home economics. The course is concerned with the analysis of the supervisor's work and with methods of supervision. Among the problems presented for study and investigation will be the organization and the administration of homemaking departments; principles underlying the present-day changes in home economics education; principles underlying the organization of courses; evaluation of teaching; improvement of teachers in service; teachers' conferences and study classes.

Principles of Curriculum Building (Rural Education 276). First term. Credit two hours. For graduate students only. Lectures, T Th 10, *Stone* 192. Professor FERRISS.

A discussion of the major problems of curriculum content and organization in elementary and secondary schools with particular reference to rural conditions.

Vocational Courses of Study in Agriculture and Supervised Farm Studies in Secondary Schools (Rural Education 277). First term. Credit three hours. Open to graduate students in Agricultural Education. T Th 11-12:30. *Caldwell* 282. Professor EATON.

A study of the making of vocational courses in agriculture for secondary schools and their correlation with supervised farm studies.

HISTORY OF EDUCATION

History of Education (Education 3). First term. Credit three hours. Prerequisite, Education 1 or its equivalent. Section A, T Th S 10. Assistant Professor SMITH. Section B, T Th S 12. Mr. GILBERT. *Goldwin Smith* 234.

A general historical account of the development of educational aims, contents, and methods in relation to ethnological, psychological, and sociological factors. Students who elect this course must apply at Goldwin Smith 248 for assignment to sections.

Readings in the History of Education (Education 16). Second term. Credit three hours. Prerequisite, Education 1 and 3, or the permission of the instructor. Assistant Professor ————. T Th S 9. *Goldwin Smith* 248.

SECONDARY EDUCATION

Principles of Secondary Education (Education 2). Second term. Credit three hours. Prerequisite, Education 1 or its equivalent. Section I, M W F 2. Professor JORDAN. *Goldwin Smith* 234. Section II, T Th S 12. Mr. FREEMAN. *Goldwin Smith* 234.

The nature and significance of education; biological and psychological foundations; the school as a social institution; educational ideals and values; the curriculum; administration and general methods. Students who elect this course must apply at *Goldwin Smith* 248 for assignment to sections.

Rural Secondary Education (Rural Education 281). First term. Credit four hours. Designed primarily for graduate students. Lectures, M W F 9, and a period to be arranged. *Caldwell* 282. Professor FERRISS.

A course to consider some of the more basic problems in the nature, organization, curriculum, and extension of secondary education in its adaptation to rural needs. Among the topics treated are: the functions of rural secondary education; present demands upon the rural secondary school; the problems of curriculum building and subject matter; a comparative study of existing types of curricula and courses of study; prevocational and vocational work; pupil guidance; the rural Secondary school and the adult.

[The Rural and Village Principalship (Rural Education 285). Second term. Credit two hours. Given in alternate years. Open to undergraduates by special permission. Lectures, T Th 11, *Stone* 192. Professor FERRISS. Not given in 1926-27.]

A course designed primarily for those preparing to be principals of schools containing both the high school and the elementary grades. Attention is given to the needs of those combining the work of principal and teacher of agriculture.

The Junior High School (Education 12). Throughout the year. Credit two hours. For seniors, graduates, and other qualified students. Professor JORDAN. W 4-6. *Goldwin Smith* 234.

Psychological, biological, and pedagogical bases for the Junior High School; fundamental principles; organization and administration; curricular content in detail; methods of instruction.

[Seminary in Rural Secondary Education (Rural Education 288). Second term. Credit two hours. Hours to be arranged. Professor FERRISS. Not given in 1926-27.]

PHILOSOPHY OF EDUCATION

[Introduction to Philosophy of Education (Rural Education 292). Second term. Registration by special permission. Alternates with course 222. Professor STEWART. Not given in 1926-27.]

A critical treatment of educational problems which grow out of the demands made upon the school. An interpretation of means and methods which the solution of these problems requires.

Philosophy of Education (Education 5). Second term. Credit two hours. Prerequisite, Education 1 or its equivalent and at least one course in Philosophy. Professor OGDEN. W 2-4. *Goldwin Smith* 248.

A study of education as interpreted by the more important philosophical conceptions and theories, with special application to the spirit and demands of modern society.

Education and Vocations (Rural Education 294). First term. Credit three hours. Open to seniors who have completed Rural Education 111 or the equivalent and a course in Economics, and to graduate students. T Th S 9. *Caldwell* 282. Professor EATON.

A study of the character of vocations and the organization of economic society in their bearings upon the aims and functions of education in a democracy.

NATURE STUDY

[**Field Nature Study** (Rural Education 6). First term. Credit one hour. Field trip Monday afternoon. *Fernow* 16. Professor PALMER. Not given in 1926-27.]

This course is designed to meet the needs of rural and other elementary school teachers, high-school teachers of science, camp councilors and directors, leaders in scout organizations, and junior project workers who wish instruction based on field work.

Nature Study (Rural Education 7). Second term. Credit three hours. Prerequisite, one-half year of botany, biology, or zoology. Lecture, M 12, *Fernow* 16. Practical exercises, M W 2-4:30, and T Th 2-4:30. Professor ———.

Laboratory and field practice with those subjects in plant and animal life that are most suitable for nature study in the elementary schools. Special attention is given to the methods of study, manner of presentation, and relation of the topics to agriculture. A study of the history of the nature study movement and of present-day practices in nature study is made. The New York State Nature Study Syllabus and the correlation of nature study with other subjects are given consideration.

[**The Nature Study Movement and Its Makers** (Rural Education 109). First term. Credit two hours. Prerequisite, Rural Education 111, 121, and 7. Professor PALMER. Will alternate with Course 6, beginning in 1927. Not given in 1926-27.]

Discussions of the history of the nature movement, with consideration of the contributions made to it and to elementary school methods by administrators, educators, scientists, dramatists, and writers of prose, poetry, and fiction. The graded courses in nature study outlined for various States are considered, as a means of assisting in the perfection of similar work in the public schools in New York State.

[**Research in Science Teaching** (Rural Education 226). Either term. Credit two hours. Professor PALMER. Special problems in science teaching. Not given in 1926-27.]

GENERAL SEMINARIES

Seminary in Education (Education 20). First term. Credit two hours. Prerequisite, Education 1. Professor OGDEN. M 4-6. *Goldwin Smith* 248.

Topics relevant to the fundamental assumptions of educational theory will be chosen. Primarily for graduate students.

Seminary in Education (Education 21). Second term. Credit two hours. Admission by permission of the instructor. Professor JORDAN. M 4-6. *Goldwin Smith* 248.

Topics developing from historical and current problems of educational practice, especially as related to administration and conduct of the public school system and of the university. Primarily for graduate students.

General Seminary in Rural Education (Rural Education 299). First term. Credit one hour. Required of all graduate students in rural education. Th 4:30. *Caldwell* 282. Professor WORKS.

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