

CORNELL UNIVERSITY OFFICIAL PUBLICATION

Volume XXVII

Number 16

Announcement of the
**Graduate School of
Education**
for 1936-37

Ithaca, New York
Published by the University
April 1, 1936

THE UNIVERSITY CALENDAR FOR 1936-37

1936

FIRST TERM

Sept. 21,	<i>Monday,</i>	Entrance examinations begin.	
Sept. 28,	<i>Monday,</i>	Registration and assignment of new students.	
Sept. 29,	<i>Tuesday,</i>	Registration and assignment of old students.	
Oct. 1,	<i>Thursday,</i>	Instruction begins at 8 A.M.	
Oct. 22,	<i>Thursday,</i>	Last day for payment of tuition for the first term.	
Nov. 25,	<i>Wednesday,</i>	Instruction ends at 6 P.M.	} Thanksgiving Recess
Nov. 30,	<i>Monday,</i>	Instruction resumed at 8 A.M.	
Dec. 19,	<i>Saturday,</i>	Instruction ends at 1 P.M.	

1937

Jan. 4,	<i>Monday,</i>	Instruction resumed at 8 A.M.	} Christmas Recess
Jan. 11,	<i>Monday,</i>	Founder's Day.	
Jan. 30,	<i>Saturday,</i>	Instruction ends.	
Feb. 1,	<i>Monday,</i>	Term examinations begin.	
Feb. 10,	<i>Wednesday,</i>	Term ends.	
Feb. 11,	<i>Thursday,</i>	A holiday.	

SECOND TERM

Feb. 12,	<i>Friday,</i>	Registration of all students.	
Feb. 15,	<i>Monday,</i>	Instruction begins at 8 A.M.	
Mar. 8,	<i>Monday,</i>	Last day for payment of tuition for the second term.	
April 3,	<i>Saturday,</i>	Instruction ends at 1 P.M.	} Spring Recess
April 12,	<i>Monday,</i>	Instruction resumed, 8 A.M.	
May —	<i>Saturday,</i>	Spring Day: a holiday.	
June 7,	<i>Monday,</i>	Term examinations begin.	
June 15,	<i>Tuesday,</i>	End of term examinations.	
June 21,	<i>Monday,</i>	COMMENCEMENT.	

GRADUATE SCHOOL OF EDUCATION

FACULTY

LIVINGSTON FARRAND, A.B., M.D., L.H.D., LL.D., President of the University.
ALBERT RUSSELL MANN, A.M., D.Sc., D.Agr., LL.D., Provost of the University.
FLOYD KARKER RICHTMYER, A.B., Ph.D., Dean of the Graduate School.
JULIAN EDWARD BUTTERWORTH, A.B., A.M., Ph.D., Director of the Graduate School of Education.

STAFF OF INSTRUCTION

THOMAS LEVINGSTON BAYNE, jr., Ph.D., Assistant Professor of Rural Education.
EMMA M. S. BESIG, Ph.D., Instructor in Education.
CORA E. BINZEL, M.S., Professor of Rural Education.
JULIAN EDWARD BUTTERWORTH, Ph.D., Professor of Rural Education.
ETHEL L. COWLES, A.B., Instructor in Rural Education.
THEODORE HILDRETH EATON, Ph.D., Professor of Rural Education.
EMERY N. FERRISS, Ph.D., Professor of Rural Education.
FRANK SAMUEL FREEMAN, Ed.D., Professor of Education.
LUELLA PEARL GARDNER, Ph.D., Instructor in Rural Education.
MABEL HASTIE, B.S., Instructor in Rural Education.
EDWIN RAY HOSKINS, Ph.D., Assistant Professor of Rural Education.
M. LOVELL HULSE, Ph.D., Assistant Professor of Education and Secretary of the Bureau of Educational Service.
PHILIP G. JOHNSON, Ph.D., Assistant Professor of Education.
RIVERDA HARDING JORDAN, Ph.D., Professor of Education.
PAUL J. KRUSE, Ph.D., Professor of Rural Education.
MAX LUDWIG WOLFRAM LAISTNER, M.A., Professor of History.
CLYDE B. MOORE, Ph.D., Professor of Rural Education.
ROBERT MORRIS OGDEN, Ph.D., Professor of Education.
LEON F. PACKER, B.S., Instructor in Rural Education.
E. LAURENCE PALMER, Ph.D., Professor of Rural Education.
PRESERVED SMITH, Ph.D., Litt.D., Professor of Medieval History.
WILLIAM ARTHUR SMITH, M.S., Instructor in Rural Education.
ROLLAND MACLAREN STEWART, Ph.D., Professor of Rural Education.
ANDREW LEON WINSOR, Ph.D., Assistant Professor of Rural Education.
GEORGE A. WHITE, B.S., Instructor in Education.

REPRESENTATIVES OF ACADEMIC GROUPS

WALTER BUCKINGHAM CARVER, Ph.D., Professor of Mathematics. (1938).
WALTER PETER CLAASSEN, Ph.D., Professor of Biology and Entomologist and Biologist in the Experiment Station. (1937)
ROBERT E. CUSHMAN, Ph.D., Goldwin Smith Professor of Government. (1938)
WILLIAM CLYDE DEVANE, Ph.D., Professor of English. (1936)
CHARLES LOVE DURHAM, Ph.D., Litt.D., Professor of Latin. (1936)
ROSSELL CLIFTON GIBBS, Ph.D., Professor of Physics. (1938)
MARY F. HENRY, M.A., Assistant Director of the College of Home Economics. (1937)
ELMER SETH SAVAGE, Ph.D., D.Sc., Professor of Animal Husbandry and Animal Husbandman in the Experiment Station. (1937)

ASSISTANTS, 1935-36

PERLEY F. AYER, B.S., Assistant in Rural Education.
JOHN F. DELANEY, B.S., Assistant in Rural Education.
MALCOLM C. GAAR, M.S., Assistant in Rural Education.
EVA L. GORDON, M.S., Assistant in Rural Education.
RAYMOND B. REDFIELD, M.A.Ed., Assistant in Education.

COOPERATING TEACHERS IN THE ITHACA HIGH SCHOOLS,

1935-36

CLARA S. APGAR, A.B.
ESTHER S. CASEY
SAMUEL J. CATALFANO, A.B.
MAYFRED CLAFLIN, B.S.
JOSEPHINE CONLON, A.B.
RICHARD C. CROSBY, B.S.
JANICE K. DERINGER, M.A.
MAXINE ELLINGSWORTH, B.S.
LELAND N. FREEMAN, M.A.
ALFRED H. GROMMON, A.B.
ELOISE T. HADLOCK
LA VERNE M. HAUGHT, B.S.
ROBERT H. HUBBELL
OSWALD LAUBENSTEIN, A.B.

HELEN S. LEWIS
BLANCHE S. MARCH
CAROL M. REINHARDT
ROBERT R. SCIDMORE, B.S.
ESTHER M. SEARS
KATHRYN STENSON
ARTHUR C. STEVENS, B.S.
MARIAN L. WARREN, M.A.
MILDRED P. WATKINS, A.B.
CATHERINE WELCH, M.A.
THERESA WEST, B.S.
MILDRED WILLIAMS, A.B.
FLORENCE WILLIAMSON, A.B.

GRADUATE SCHOOL OF EDUCATION

The Graduate School of Education is composed of The Department of Education in the College of Arts and Sciences and the Department of Rural Education in the College of Agriculture.

Although the organization is designated as a graduate school, and although the major part of the offerings are on the graduate level, it has responsibility, also, for professional courses in Education offered to undergraduates in the various colleges. The undergraduate courses include those that are ordinarily required for a state teacher's certificate (see pages 11-13), together with a few additional courses designed to be attractive, because of their general educational value, to students not planning to enter the teaching profession. There is no independent undergraduate college at Cornell for the training of teachers. Students on the undergraduate level who are preparing for teaching normally register in the College of Agriculture, in the College of Arts and Sciences or in the College of Home Economics and must meet the standards for graduation set by the College in which they are enrolled.

The Graduate School of Education is an integral part of the Graduate School of the University, and as such, is subject to its general regulations. The prospective student should, therefore, consult also the Announcement of the Graduate School.

CHANGING CONDITIONS IN SECONDARY SCHOOL TEACHING

Standards in the teaching profession have made considerable advance during the last several years. Although the possession of a Bachelor's degree has, in the past, usually been regarded as sufficient for secondary school teaching, those who have training beyond such a degree are likely, during the next few years, to find themselves in a preferred situation with regard to securing such positions. Although Cornell will not, for the present at least, discontinue its four-year program for training secondary school teachers, it is advisable that as many as possible plan to take five years for this purpose. Under the five-year program some of the professional courses in Education should be postponed to the fifth year, but the student should give particular attention early in his course to making certain that he shall have taken, by the end of this period, a combination of subjects that will enable him to fit into a secondary school situation. Under certain conditions those taking this fifth year of training may secure a Master's degree as described below. Whether the student receives his training in four years or five, it is important that he confer as early as possible with some member of the Education staff who is familiar with secondary school conditions.

GRADUATE WORK

1. The degrees of Master of Arts, Master of Science, and Doctor of Philosophy are administered directly by the Graduate School of Cornell University.

2. The degree of Master of Science in Education is administered directly by the Graduate School of Education, subject to the regulations of the Graduate School of Cornell University.

ADMISSION

Qualified students may be admitted to candidacy for the degrees of Master of Arts, Master of Science, or for the degree of Doctor of Philosophy with a major or minor or both in some phase of Education. A graduate of any college in which requirements for the first degree are substantially equivalent to those for the first degree at Cornell may be admitted to resident study in the Graduate School. It should be noted that these requirements include three years of study in foreign language. He may at once enter upon candidacy for an advanced degree if he can show that he is qualified to carry on study in the field in which he proposes to work.

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. Students who wish to work under the direction of a particular professor should communicate with him also.

Qualified students may be admitted to candidacy for the degree, Master of Science in Education, under the same conditions except that the requirement in foreign language is omitted.

In order to avoid delays at the beginning of the academic year, those who desire to enter the Graduate School of Education are advised to make application for admission, either in person or by letter, in the preceding spring or summer. They should address either the Dean of the Graduate School or the Director of the Graduate School of Education.

The following excerpts from the Announcement of the Graduate School will give the prospective graduate student useful information on the general subject of the degrees of Master of Arts and Master of Science, and the degree of Doctor of Philosophy. For details the Announcement itself should be consulted.

THE MASTER'S DEGREE

The Master's degree is conferred upon a candidate who, after completing at least one year of residence devoted to the study of a field comprising a Major Subject and one Minor Subject, presents a satisfactory thesis, or essay, as the chairman of the candidate's Special Committee may decide and passes an examination on his special field.

The thesis, or essay, must demonstrate the candidate's ability to do independent work, and must be acceptable in style and composition.

A statement of the general subject of the thesis, or essay, with the written approval of the chairman of the Special Committee in charge of the candidate's work, must be filed in the office of the Dean at least

six months before the candidate expects to present himself for examination.

After this thesis, or essay, has been duly presented and is accepted by the Special Committee, the candidate is required to present himself for examination on his Major and Minor Subjects and on the subject matter of his thesis.

Examinations for a Master's degree may be written or oral, or both, at the option of the examining committee, and are open to all members of the Faculty.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred upon a candidate who, after completing not less than three years of resident graduate work devoted to the study of a field of work comprising a Major Subject and two Minor Subjects, presents a satisfactory thesis, and passes an examination on his chosen field and on the subject matter of his thesis.

The Doctor's degree is intended to represent, not a specified amount of work covering a specified time, but the attainment, through long study, of independent and comprehensive scholarship in a special field.

A candidate for the Doctor's degree will ordinarily be expected to have a working knowledge of French and German before beginning graduate work. In all cases he must, before beginning his fourth term of residence, show to the satisfaction of his Special Committee that he possesses a reading knowledge of these languages.

Candidates for the degree of Doctor of Philosophy are required to pass a Qualifying Examination, to be held normally not later than the close of the second year of residence.

The thesis for the Doctor's degree must give evidence of the candidate's power to carry on independent investigation and must be satisfactory in style and composition. A statement of the general subject of the thesis, with the written approval of the chairman of the Special Committee in charge of the candidate's work, must be filed in the office of the Dean at least six months before the candidate expects to present himself for examination. The thesis of a candidate intending to take his degree at the June commencement should normally be completed by May 15, in order that ample time may be afforded for the inspection of the thesis by all members of the Special Committee. The completed thesis, approved by the Special Committee, is to be presented at the office of the Graduate School at least five days before the examination for the degree, and must remain on file until the day preceding the examination.

The final examinations for the Doctor's degree may be either oral or written, or both, at the option of the examining committee, and are open to all members of the Faculty. The Faculty has, however, expressed the opinion that a written examination should be required for the doctorate at some time during the student's candidacy. In

the event of failure in final examination, no re-examination may be held until three months after the completion of the minimum period of residence.

THE MASTER'S DEGREE IN EDUCATION

The degree of Master of Science in Education is conferred upon a candidate, who, after completing not less than one year of residence devoted to study in the field in which Education constitutes the major portion, has given satisfactory evidence of ability to carry graduate work, and has met such other requirements as his Special Committee with the approval of the Graduate School of Education may have established. Every candidate must have passed a final comprehensive examination.

This degree is designed for school executive officers and teachers who wish to enter upon a course of professional study involving neither close restrictions nor intensive research. This course of study is both comprehensive and critical. It has, however, a distinctly professional emphasis. The amount of prescribed work will be adjusted to the particular preparation and experience of the candidate. In general these candidates are expected to fall into one of three classes:

CLASS I. Men and women, graduates of standard colleges, of approved experience in educational positions, who are seeking professional preparation on the graduate level.

CLASS II. Men and women, graduates of standard colleges, who wish to qualify as school principals or as supervisors in special fields in accord with professional requirements of various states.

CLASS III. Men and women, graduates of standard colleges, qualified for graduate work, but who have not included in their undergraduate programs courses in the field of Education sufficient for certification as teachers.

1. With the approval of the Director of the Graduate School of Education the candidate shall choose three members of the graduate faculty to serve as a special committee to direct his work. At least two of these shall be from the staff in Education, one of the two being selected by the candidate to act as chairman. This committee is empowered to determine the special qualifications of the candidate to undertake a program proper to his particular professional interest. An approved program must have unity, in terms both of purpose and of sequential development. The candidate is not required to present a formal thesis; but, if he does not do so, he is expected to complete an expository or critical essay or a problem in research to the satisfaction of his committee. Within an approved program are included such courses, seminars, projects, investigations and examinations as the committee may require. These provisions may have the consequence of extending the residence requirements for students of Class III beyond the minimum of one year.

2. The office of the Director of the Graduate School of Education acts as an office of record, and the candidate for one of these degrees

shall, within ten days of his registration, file in writing a statement approved by his committee showing his plan of work and course of study.

3. Upon the satisfactory completion of the work outlined by the Special Committee and the passing of a final comprehensive examination, the Faculty of the Graduate School of Education will recommend to the Faculty of the Graduate School that the candidate be granted the appropriate degree. The maximal period allowed for the completion of all requirements conforms to the regulations of the Graduate School of Cornell University.

4. Prior to scheduling the final examination, all members of the staff under whom the candidate has carried his course work or who have acted in any advisory or similar capacity with him will be informed of his proposed examination and will be asked to express an opinion regarding his fitness for such examination, and invited to be present and take part in the examination.

The courses expected of the candidate will fall into three groups designated A, B, C. The determination of the particular groups into which particular courses will fall will depend upon the main professional purpose of the candidate in his graduate study and an integration of courses to such purpose.

GROUP A. This group includes courses of a special nature and of immediate interest, such as the technical courses in English, in the languages (or a language), history, sciences (or a science), agriculture (or a division thereof), etc., and the professional studies appropriate to the special field. It is expected that at least a third of the candidate's program will fall in this group.

GROUP B. This group includes courses in the theory and science of education which will furnish the several types of background that are warranted by the nature of courses in Group A. Courses to the extent of one-third of the total may be chosen in this group. Educational Psychology, including Measurement, History and Philosophy of Education and other courses necessary to integration, such as general studies appropriate to the organization and administration of schools at the several educational levels, are representative of this group.

GROUP C. This group includes courses intended to meet the particular needs of the candidate not adequately met in Groups A and B. In certain cases as much as a third of the candidate's program should be taken in this group.

For the selection of courses in all the above groups, the candidate should consult his special committee, whose approval is necessary.

For further information regarding the degree of Master of Science in Education address the Director of the Graduate School of Education.

TUITION FEES IN THE GRADUATE SCHOOL

A tuition fee of \$150 for the academic year is to be paid by all students registered in the Graduate School. It is payable in installments of \$75 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 certain appointments as University Fellows or Graduate Scholars, and holders of certain temporary fellowships and scholarships.

(2) Resident Doctors, i.e., students in the Graduate School who have the Doctor's degree and are not candidates for a degree.

(3) Certain members of the instructing staff. See the announcement of the Graduate School for 1936-37.

A matriculation and examination book fee of \$11, an administration fee of \$12.50 a term, a health and infirmary fee of \$6 each term, a Willard Straight Hall fee of \$5 each term, and a graduation fee of \$20 are also charged.

Any tuition or other fee may be changed by the Board of Trustees to take effect at any time without previous notice.

TUITION FEES IN THE UNDERGRADUATE COLLEGES

Facts regarding tuition fees in the several schools and colleges of the University can be found in the General Information Number.

SCHOLARSHIPS AND ASSISTANTSHIPS

Edward A. Sheldon Scholarship for Women Teachers. This scholarship is awarded by the faculty of the Graduate School of Education "to any woman of suitable qualifications who needs this assistance", preference being given candidates in this order: first, a woman graduate of the normal school at Oswego, N. Y.; second, a woman graduate of any other normal school of the state; third, a suitably qualified woman who is preparing to teach. The regulations of the Faculty of the Graduate School of Education require that the holder of this scholarship be pursuing work on the graduate level. The present annual income is about \$120.

Assistantships in Rural Education. The Department of Rural Education will award three assistantships to graduate students majoring in the Department. These assistantships pay \$350 each and allow the holder free tuition in the Graduate School. In return each student is expected to render eight hours of service each week.

Honorary Scholarships. Through the Department of Rural Education five free tuition scholarships in the Graduate School are offered to: (1) principals and teachers in the public schools of New York State located in places of less than 4,500 population; or (2) members of the staff of any New York State normal school or teachers college. These scholarships are available only to those who may be granted a leave of absence for a year of graduate study with a major in the Department of Rural Education.

Details regarding any of these scholarships and assistantships may be secured from the Director of the Graduate School of Education. Application for any of them should be made to the Director not later than March 1.

BUREAU OF EDUCATIONAL SERVICE

A Bureau of Educational Service is maintained by the Graduate School of Education. Its purpose is to assist men and women who have studied or are studying at Cornell University to secure positions in educational work. Such persons are invited to register with the Bureau. Address: Bureau of Educational Service, 251 Goldwin Smith Hall, Ithaca, N. Y.

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. A description of the courses offered in the 1936 Summer Session that are not offered during the regular year may be found on pages 23-24 of this announcement.

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

ADDITIONAL METHODS COURSES IN ACADEMIC
SUBJECTS

Aside from the special methods courses required for a New York State certificate, the following are available through the College of Arts and Sciences:

[TEACHERS' COURSE (English 98). Professor NORTHUP.] Not given in 1936-37.
TEACHERS' COURSE IN METHODS (German 40). Professor FAUST.

TEACHING OF PHYSICS IN SECONDARY SCHOOLS (Physics 91). Professor HOWE.

[PHONETICS AND SPEECH TRAINING (Public Speaking 31). Mr. THOMAS]. Not given in 1936-37.

[ADVANCED PROBLEMS AND METHODS (Public Speaking 51). Professor DRUMMOND.] Not given in 1936-37.

(Required special methods courses in Agriculture, English, French, Home Making, Mathematics, Latin, Nature Study, Science, and Social Studies are described or cited in this Announcement).

REQUIREMENTS FOR CERTIFICATION

CERTIFICATES FOR SECONDARY SCHOOL TEACHERS

To meet the requirements of the State of New York for teaching in the secondary schools, the candidate is required to complete 18 semester hours in Education. The following program, approved by the State Department of Education, gives information as to the specific courses through which these professional requirements may be met.

Educational Psychology	3 hours
Ed.* 1 or R. E. 111* or R. E. 112	
Principles of Education	3 hours
Ed. 2 or R. E. 181	
Methods, Observations, Teaching, and Extra-instructional Problems	9 hours
These are integrated units of work which may be met, for the various groups of teachers through the following courses:	
Teachers of Agriculture: R. E. 131, R. E. 132 and R. E. 133.	
Teachers of English, Science, and Social Studies: Ed. 4a or R. E. 121, Ed. 4b (including R. E. 126 for Science Teachers), and Ed. 4c.	
Teachers of Home Making: R. E. 135, R. E. 136, and R. E. 137.	
Teachers of Latin and French: Ed. 4a, Ed. 4c, Ed. 4d, and Ed. 4f or Ed. 4g.	
Teachers of other approved subjects: Ed. 4a, Ed. 4c, Ed. 4d, and Ed. 4e.	
Elective	3 hours
Teachers of Home Making are required to take R. E. 117 (Psychology of Childhood and Adolescence). Others may choose a three-hour course in Education or Psychology subject to the approval of their adviser in the Graduate School of Education.	

In addition, the prospective high school teacher must present a minimum number of semester hours of University credit in the subject matter field he plans to teach. If he is working in a special field, such as Agriculture or Home Making, he must have 36 hours of credit in approved professional-technical courses in his special subject. For teaching English, the minimum requirement is 18 hours; for any foreign language, it is 18 hours based upon 3 units of entrance credit; for History, 18 hours based upon 2 units of entrance credit; for Mathematics, 15 hours based upon 2 units of entrance credit; for Science, 30 hours; for Biological Science, 18 hours; for Physical Science, 18 hours; for Social Studies, 30 hours.

As early as possible in his course the student who is planning to prepare for teaching should consult that member of the staff of the Graduate School of Education most directly concerned with the teaching of his subject.

The courses suggested above are the ones that are normally expected to be used in meeting certification requirements. Substitutions should be made only with the approval of the appropriate adviser in the Graduate School of Education.

*"Ed." refers to courses offered in the Department of Education; "R.E.", to courses offered in the Department of Rural Education.

Requirements for certification vary from state to state. These variations are so marked that adequate information cannot be given in brief space. It is the intention of the School to offer such courses as 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 Graduate School of Education for information regarding their special needs.

PRINCIPALS' CERTIFICATES

The following program has been approved for the training, at Cornell, of persons seeking the several types of principals' certificates:

	12- grade School	High School	Elemen- tary School
General School Administration (R. E. 261)	2	2	2
Administration of the High School (Ed. 10)	2	2	
*Administration of the Elementary School			2
Procedures and Techniques in Educa- tional Supervision (R. E. 263)	2	2	2
Supervision of the Elementary School Subjects (R. E. 266)	2		2 ^a
*Educational Guidance (Ed. 28)	2	2	
Principles of Curriculum Building (R. E. 276)	2	2	2
*Curriculum Building in the Elemen- tary School	2		2
*Curriculum Building in the Secon- dary School		2	
Extra-class Activities (Ed. 11)	2	2	
Mental Measurement (Ed. 7)	2	2	2
Educational Measurement (R. E. 251)	2	2	2
*The Problem Child (Ed. 12b)	2		2
Seminar for Principals ^b (R. E. 265)	3	3	3
Required (as above)	25	21	21
Elective ^c	5	9	9

^aStudents who lack a knowledge of methods of teaching in the elementary school will be expected to make up such deficiency.

^bThis seminar is to have three major functions: (1) to develop in the student a functional point of view in attacking the problems of the principalship; (2) to fill in the gaps in the student's training; (3) to direct the practical work required of those who have not had experience as a principal.

^cCourses may be chosen from any field, subject to the approval of the student's special committee.

*For 1936-37, equivalent courses will be offered.

COURSES OF INSTRUCTION

In the **Department of Rural Education** courses are grouped by decades: General, 1-10; Psychology, 11-20; Method, 21-40; Preparation of Teachers for Normal Schools and Colleges, 41-50; Measurement and Statistics, 51-60; Administration and Supervision, 61-80; Theory of Education, 81-100. **All courses numbered under 100 are intended primarily for underclassmen; those from 101-200 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.

GENERAL COURSES

[R.E. 1. **Introduction to Problems of Public Education.** First term. Credit two hours. Not open to freshmen. Designed for students not preparing to teach. Not credited toward the professional requirements in Education. T Th 10. *Agricultural Economics* 125. Professor MOORE.] Not given in 1936-37.

Ed. 20. **Seminar in Education.** First term. Credit two hours. Primarily for graduate students; open to upperclassmen by permission. Professor FREEMAN. T 4-6. *Goldwin Smith* 248.

Topics relevant to educational theory.

[Ed. 21. **Seminar in Education.** Second term. Credit two hours. Admission by permission of the instructor. Professor JORDAN. M 4-6. *Goldwin Smith* 248.] Not given in 1936-37.

[R.E. 234. **Seminar.** First term. Credit two hours. M 2-3:30. *Stone* 309. Professor BUTTERWORTH.] Not given in 1936-37.

PSYCHOLOGY

Ed. 1. **Educational Psychology.** Either term. Credit three hours. Lectures and recitations. First term, M W F 11. *Goldwin Smith* 234. Professor FREEMAN. Second term, M W F 10, *Goldwin Smith* 234. Professor FREEMAN.

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

R.E. 110. **Psychology: An Introductory Course.** Either term. Credit three hours. Not open to freshmen. M W F 10. *Stone* 102. Assistant Professor WINSOR. Fee, \$1.

R.E. 111. **Psychology for Students of Education.** Either term. Credit three hours. Open to juniors and seniors. First term: M W F 11. Second term: M W F 11. *Stone* 203. Assistant Professor BAYNE and Dr. GARDNER.

R.E. 112. **Psychology for Students of Education.** Either term. Credit three hours. Prerequisite, course 110, Psychology 1, or the equivalent. Open to second term sophomores, juniors, and seniors. M W F 9. First term. *Agricultural Economics Building* 125; second term, *Caldwell* 143. Professor KRUSE and Assistant Professor BAYNE.

R.E. 114. **Psychology for Students of Hotel Administration.** First term. Credit three hours. Not open to freshmen. M W F 8. *Stone* 102. Assistant Professor WINSOR.

R.E. 117. **Psychology of Childhood and Adolescence.** Either term. Credit three hours. Open only to students who have had course 111 or 112 or equivalent. Lectures, M W F 10. *Roberts* 392. Professor KRUSE and Dr. GARDNER.

R.E. 119. **Personnel Administration.** Second term. Credit three hours. Prerequisite, course 114 or its equivalent. M W F 8. *Stone* 102. Assistant Professor WINSOR.

R.E. 211a. **Psychology for Students of Education.** First term. Credit three hours. For mature students with teaching experience. Lectures, M F 11-12:20. *Stone* 309. Professor KRUSE.

R.E. 212. **Psychology of Learning.** Second term. Credit two hours. Th 4:15-6. *Stone* 309. Professor KRUSE.

[R.E. 213. **Psychology of Learning in the School Subjects.** Second term. Credit two hours. Assistant Professor BAYNE.] Not given in 1936-37.

[R.E. 218. **Seminar in Educational Psychology.** Second term. Credit two hours. Professor KRUSE.] Not given in 1936-37.

R.E. 219. **Seminar in Personnel Administration.** Second term. Credit two hours. Open to qualified seniors and graduates. Th 4:15-6. *Stone* 203. Assistant Professor WINSOR.

Ed. 8. **Experimental Education.** Either term. Credit and hours to be arranged. Consent of the instructor is required. Education 7 should normally precede this course. Professor FREEMAN.

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

[Ed. 17. **Mental Development.** First term. Credit two hours. Prerequisite, Education 1 or its equivalent. T 4-6. Professor FREEMAN.] Not given in 1936-37.

Ed. 18. **Individual Differences.** Second term. Credit two hours. Prerequisite, Education 1 or its equivalent. It is desirable, though not required, that Education 7 precede this course. M 2-4. *Goldwin Smith* 248. Professor FREEMAN.

The nature, causes and implications of individual differences in abilities, interests and achievement. Graduate students desiring it will be given an opportunity to make a special study of problem cases.

METHOD

R.E. 121. **Method and Procedure in Secondary School Teaching.** First term. Credit three hours. Prerequisite, course 111 or its equivalent. Open to juniors and seniors. Lectures, M W F 11. *Stone* 102. Professor FERRISS.

The development of certain principles of teaching in secondary schools, and their applications to practical problems of the teacher, such as selecting and organizing teaching materials, making the assignment, directing study, and so forth.

Ed. 4. **Methods, Practice, and Extra-Instructional Problems.** Credit nine hours. For teachers of academic subjects. Assistant Professor HULSE in charge.

While the various phases of the work in this field will be closely integrated to function as a unit in the preparation of teachers, credit may be granted for any part successfully completed. The number of students permitted to register for the courses in this group is limited both by existing practice teaching facilities and by various selective factors. Among the factors that will be emphasized are: adequate preparation in the subject matter fields in which one expects to teach, academic ability as determined by college records, proficiency in educational courses, physical fitness, and those personal and social qualities requisite to successful teaching. In addition observation and practice facilities will be strictly limited to those students preparing to teach in those states and cities requiring observation and practice. Registration required for courses 4a, 4b, 4d and 4e at Room 251, *Goldwin Smith Hall*.

Ed. 4a. **Method and Procedure in High School Teaching.** Either term. Credit three hours. First term, for seniors only. M W F 11. *Goldwin Smith* 264. Second term, for juniors and B seniors. M W F 11. *Goldwin Smith* 256. Professor JORDAN and Assistant Professor HULSE.

Designed for students who expect to teach in secondary schools. Methods of class management, types of recitation, assignment and planning of lessons. Observation of actual high school classes required. Prerequisite to Education 4b and 4d.

Prospective teachers in all academic fields will be assigned to this course to maintain as far as possible two equal groups. One group will take this course in the second term of their junior year, the other group will take this course in the first term of their senior year.

Ed. 4b. **Supervised Teaching.** Either term. Credit four hours. For seniors majoring in English. Assistant Professor HULSE and Dr. BESIG.

Assignment will be made to the classes of the critic teacher. Practice and observation scheduled daily at a regular hour and the work will be closely integrated with instruction in special method.

Ed. 4c. **Extra-Instructional Problems.** Either term. Credit two hours. M 4. *Goldwin Smith* 256. Assistant Professor HULSE.

A course dealing mainly with problems of extra-instructional nature and designed to acquaint the teacher with the full responsibilities of his position. Taken by all seniors in the term of their practice teaching.

Ed. 4d. **Supervised Teaching.** Either term. Credit two hours. Assistant Professor HULSE, Assistant Professor JOHNSON, Mr. WHITE, and teachers of the Ithaca Senior and Junior High Schools.

Assignments will be made to the classes of the regular teachers in the schools. Each student teacher is required to attend one class each day, five days a week for a term. The work will involve participation and practice under the supervision of the regular teacher and the instructor of the course. The work will be coordinated with special methods.

Special Methods. The following courses are offered by the several departments to satisfy the two-hour requirement in special method:

Teacher's Training Course. See Latin 26.

Teacher's Course in Methods. See German 40.

Teacher's Course. See Mathematics 20.

Teaching of Science in the Secondary School. See Rural Education 126.

Ed. 4e. **Conference and Special Problems.** Either term. Credit two hours. Hours to be arranged. Assistant Professor HULSE and Mr. WHITE.

Conference with the instructor in charge and the study of special problems supplementing the practice of teaching. To be taken by prospective teachers of Social Studies and others in lieu of special methods.

R.E. 126. **The Teaching of Science in the Secondary School.** Either term. Credit two hours. Open to seniors on the approval of the instructor. Hours to be arranged. *Fernow* 8. Assistant Professor JOHNSON.

Special methods of teaching science and the organization of science materials in the secondary school. This course is correlated with practice teaching in science.

R.E. 131. **Introduction to the Teaching of Agriculture.** First term. Credit three hours. Open by permission only to upper class students preparing to teach agriculture whose experience is satisfactory, whose progress in the prescribed courses in technical agriculture is adequate and whose course grades are satisfactory. Class, T Th 11. *Stone* 102. Laboratory, M 1:40-4. *Stone* 203. Professor STEWART and Mr. SMITH.

A consideration of the organization of schools and departments of agriculture in high schools for regular part-time and adult classes; a study of the opportunities and responsibilities of teaching vocational agriculture; a checking of teacher qualities; the making of observations of teaching; and the general preparation of students for the advanced work of course 132. Laboratory fee, \$3.50.

R.E. 132. **The Teaching of Agriculture in the Secondary School.** Throughout the year. Credit three hours each term. Open to students who have completed courses 111 and 131 or their equivalents, whose farm practice experience is satisfactory and whose course grades are satisfactory. Class, T Th 9. *Stone* 203. One laboratory a week or equivalent in directed teaching is required. Assistant Professor HOSKINS and Mr. PACKER.

A study of the problems of teaching based upon participation in teaching and planning for teaching. A consideration of the agricultural part of the curriculum, courses of study, appropriate methods of teaching, text and bulletin materials, equipment, and the community relationships involved. Laboratory fee, \$5 each term.

R.E. 133. **Apprentice Teaching in Agriculture.** Either term. Credit to be arranged. Registration subject to conference. Certain students whose directed-teaching experience is well toward completion may be permitted to accept regular teaching responsibilities in the schools, under the direction of the Rural Educa-

tion staff, where opportunities arise. Professor STEWART, Assistant Professor HOSKINS and Mr. SMITH.

R.E. 134. Adult Education. First term. Credit three hours. M W F 11. *Agricultural Economics Building 125.* Professor MOORE.

A consideration of the developments, trends, opportunities and problems of adult education. Designed for vocational students.

[R.E. 134a. **Adult Education.** Second term. Credit two hours. Designed for vocational students. T Th 11. *Stone 309.* Assistant Professor HOSKINS.] Not given in 1936-37.

R.E. 135. The Teaching of Home Economics in the Secondary School. Either term. Credit three hours. Prerequisite, course 111 or its equivalent. Lecture, Th 1:40-4. *Stone 203.* Miss HUTCHINS.

One period daily for observation and participation in the Ithaca Junior High School throughout the semester. Schedules must be approved by the Department of Rural Education.

This course purposes to interpret present-day educational theories and practices as applied to home economics; to study the activities in which the home-economics teacher engages, and the factors which make for successful performance; to induct students into teaching through graded participation in the home-arts department of the Ithaca Junior High School. Laboratory fee, \$2.

R.E. 136. Directed Teaching of Home Economics in the Secondary School. Either term. Credit four hours. Prerequisite, course 135. Open to seniors who have successfully completed prerequisites in Education and have been approved by a committee composed of members of the faculties of Home Economics and Education. General conferences, S 8-10. *Stone 203.* Professor BINZEL and Misses HASTIE and COWLES.

Schedules must provide three entire days a week, or the equivalent, over a period of five weeks for directed teaching. Visits to schools for the purpose of studying furnishings and equipment are a part of the course. Laboratory fee, \$10.

R.E. 137. Extra-Instructional Problems. Either term. Credit two hours. First term for Home Economics students only. Hours to be arranged. Second term, T Th 9. *Stone 102.* Professor FERRISS.

Primarily for prospective teachers of science and home economics. This course is designed to deal with problems confronting the teacher in the performance of those duties and the meeting of those responsibilities in the school that extend beyond the classroom and class instruction.

[R.E. 222. **Principles of Method.** Second term. Credit three hours. Prerequisite, course 211a or its equivalent and teaching or comparable experience in agriculture, home making, or science. Given in alternate years. Professor STEWART.] Not given in 1936-37.

R.E. 226. Research in Science Teaching. Either term. Credit one or two hours each term. Time to be arranged. *Fernow 8.* Professor PALMER and Assistant Professor JOHNSON.

Special problems in science teaching.

R.E. 227. Seminar in Elementary Education. First term. Credit two hours. M 4-6. *Stone 309.* Professor MOORE.

Topic to be determined by the interests of the members.

R.E. 228. Seminar in Behavior and Guidance. Second term. Credit two hours. For graduate students who have had some work in child guidance. F 4-6. Nursery School. Professor WARING.

The seminary discusses the sources in the psychologies, past and present, for studying principles of learning and teaching that can be relied upon in homes, in schools, and in all family and social living, and attempts to apply these principles to the homely everyday problems of behavior and guidance.

R.E. 232. Research Problems in Program Planning for the Teaching of Agriculture. Second term. Credit two hours. T Th 11. *Stone 205.* Open to undergraduates by permission only. Assistant Professor HOSKINS.

An advanced study of a community program for agricultural education, based upon appropriate aims, objectives and standards.

[R.E. 240. **Cooperative Extension Work.** First term. Credit three hours. Open to graduate students qualified in agriculture or home economics. Professor EATON.] Not given in 1936-37.

PREPARATION OF TEACHERS FOR NORMAL SCHOOLS AND COLLEGES

[R.E. 241. **The Preparation of Teachers for Normal Schools and Colleges.** Second term. Credit three hours. Professor BUTTERWORTH.] Not given in 1936-37.

R.E. 243. **Problems of College Teaching.** Throughout the year. Credit one hour each term. Open to graduate students intending to teach in higher institutions. Time of meeting once a week will be arranged after a preliminary conference with students at a session to be announced at opening of first term. Professor EATON.

A study of aims, organizations, and methods of teaching in courses for undergraduate students.

[R.E. 245. **The College Preparation of Teachers of Agriculture for the Secondary School.** Second term. Credit three hours. Given in alternate years. Professor STEWART.] Not given in 1936-37.

R.E. 248. **The Preparation of Teachers of Home Economics.** Second term. Credit three hours. Given in alternate years. Open to graduate students of approved qualifications. Hours to be arranged. Professor BINZEL.

[R.E. 249. **Seminar in Home Economics Education.** First term. Credit two hours. Hours to be arranged. Professor BINZEL.] Not given in 1936-37.

R.E. 250. **Seminar in Agricultural Education.** First term. Credit two hours. Open only to graduate students whose progress in graduate study is satisfactory. T 4-5:30. Stone 309. Professor STEWART.

A consideration of the policies and plans for teaching and research in agricultural education for the secondary school.

MEASUREMENTS AND STATISTICS

Ed. 7. **Mental Measurements.** First term. Credit three hours. By permission of the instructor, candidates for the principal's certificate may enroll for two hours credit. Prerequisite, Education 1 or equivalent. T Th S 9. *Goldwin Smith* 225. Professor FREEMAN.

The nature of intelligence. History of the development of individual and group tests of intelligence; principles underlying their construction and application; the use of tests of intelligence in school problems with atypical children, and in fields outside the school. Theory, construction and use of educational tests. Demonstrations in administering tests.

R.E. 251. **Educational Measurement.** First term. Credit three hours. Candidates for the principal's certificate may register for two hours. Prerequisite, a course in educational psychology. Open to graduates and upperclassmen. T Th 8 and an hour to be arranged. Stone 309. Assistant Professor BAYNE.

Mental and educational measurement in relation to the classification of pupils, determination of the progress of pupils, and other problems of the teacher, supervisor, and administrator.

R.E. 253. **Statistics for Students of Education.** Second term. Credit three hours. Primarily for graduate students in education. Open to a limited number of other students upon the approval of the instructor. T Th 10 and an hour to be arranged. Stone 309. Assistant Professor BAYNE.

A study of common statistical procedures in relation to critical reading of technical studies, research, and writing reports of studies. As far as possible the work is related to the problems of the individual student.

ADMINISTRATION AND SUPERVISION

[Ed. 10. **High School Administration.** Second term. Credit two hours. For seniors, graduates, and other qualified students. W F 3. *Goldwin Smith* 236. Professor JORDAN.] Not given in 1936-37.

Ed. 11. **Extra-classroom Activities.** First term. Credit two hours. For seniors and graduates. M 4-6. *Goldwin Smith* 236. Professor JORDAN.

A study of the place extra-classroom activities should assume in the school program. General principles involved, with special attention given to athletics, dramatics, publications, school finance, music, debate, and school clubs.

Ed. 12. **The Junior High School.** First term. Credit two hours. For seniors, graduates and other qualified students. M W 9. *Goldwin Smith* 248. Professor JORDAN.

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

R.E. 261. **The Administration of Rural Schools.** First term. Credit three hours. Candidates for a principal's certificate may register for two hours credit. T Th 11 and an additional hour to be arranged. *Stone* 203. Professor BUTTERWORTH.

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

[R.E. 262A. **School Finance.** Second term. Credit two hours. T Th 9. *East Roberts* 223. Professor BUTTERWORTH.] Not given in 1936-37.

R.E. 262C. **The School Plant.** Second term. Credit two hours. M 4-6. *Stone* 309. Professor BUTTERWORTH.

Standards for school buildings; measurement of school building facilities; planning the school program to meet the needs of the community; the financing of school buildings; modern equipment for the school plant; and similar problems. This course deals with the building problems of both elementary and secondary schools.

R.E. 263. **Procedures and Techniques in Supervision.** First term. Credit three hours. Candidates for a principal's certificate may register for two hours credit. M W F 10. *Stone* 203. Professor MOORE.

Designed for superintendents, supervisors, and principals. Students who have not had experience in these fields will be admitted only upon permission of the instructor. Students taking this course must be prepared to spend four full days or more in observing supervisory procedures in various school systems.

R.E. 264. **Seminar in Rural School Administration.** Second term. Credit two hours. S 10. *Stone* 309. Professor BUTTERWORTH.

Designed for those desiring to make an intensive study of administrative problems in rural elementary and secondary schools. Topic to be announced.

R.E. 265. **Seminar for Principals.** Second term. Credit three hours. Required of all graduate students who are candidates for a principal's certificate. W 4-6 and additional time for field work. *Stone* 309. Professor MOORE.

R.E. 266. **The Supervision of the Elementary School Subjects.** Second term. Credit three hours. Candidates for a principal's certificate may register for two hours credit. M W F 9. *Stone* 309. Professor MOORE.

A course designed for supervisors, elementary-school principals, and superintendents. It includes a consideration of important research studies which have a direct bearing upon the teaching and supervision of the elementary-school subjects.

R.E. 267. **The Organization and Administration of Agricultural Education.** Second term. Credit three hours. Should follow course 261 or its equivalent. T Th 11-12:20. *Stone* 203. Professor STEWART.

Designed primarily for persons preparing to organize, administer, and supervise agricultural education. Participation in field experience, field study, and supervision make up a part of the program of study.

[R.E. 269. **The Administration and Supervision of Home Economics Education.** First term. Credit three hours. Given in alternate years. Open to students of approved qualifications. Professor BINZEL.] Not given in 1936-37.

R.E. 276. **Principles of Curriculum Building.** Second term. Credit three or four hours. Primarily for graduate students. T Th 2-3.20, and an additional hour to be arranged for those wishing to carry further the study of special curriculum problems. Stone 309. Professor FERRISS.

A consideration of the major problems, principles, and technics in determining educational objectives and curriculum content and organization.

[R.E. 278. **Seminary in Rural Secondary Education.** Second term. Credit two hours. Given in alternate years. M 4-6. Stone 203. Professor FERRISS.] Not given in 1936-37.

HISTORY OF EDUCATION

Ed. 3. **History of Education.** (a) (Greek, Roman, and Early Mediaeval). First term. Credit two hours. Open to upperclassmen and graduates only. T Th 10. Professor LAISTNER. (See History 7) (b) (Late Mediaeval and Modern). Second term. Credit two hours. Open to upperclassmen and graduates only. T Th 10. Professor SMITH. (See History 36.)

Ed. 13. **History of American Education.** First term. Credit three hours. Prerequisite, Education 1, or its equivalent. Assistant Professor HULSE. T Th S 10. *Goldwin Smith* 236.

A survey of educational change in the United States from the beginning of the seventeenth century to the present, with special emphasis on public schools, and consideration of the religious, economic, political, and social factors affecting education. European influences throughout the period will also be considered briefly.

EDUCATIONAL THEORY

Ed. 2. **Principles of Secondary Education.** Either term. Credit three hours. Prerequisite, Education 1. First term, M W F 2. *Goldwin Smith* 234. Professor FREEMAN. Second term, T Th S 9. *Goldwin Smith* 234. Professor FREEMAN.

The nature and significance of education; biological and psychological foundations; the secondary school as a social institution; educational ideas and values; the curriculum.

Ed. 5. **Theory of Behavior.** Second term. Credit two hours. Primarily for graduate students; open to upperclassmen by permission. T 4-6. *Goldwin Smith* 248. Professor OGDEN.

The nature of behavior; learning, insight, personality and character; educational applications.

R.E. 181. **Principles of Education.** Either term. Credit three hours. Prerequisite, Rural Education 111 or its equivalent. Open to juniors and seniors. Students preparing to teach Home Economics should take this course. First term, M W F 9. *Agricultural Economics Building* 125. Second term, Section 1, M W F 9. *Agricultural Economics Building* 125. Section 2, M W F 11. *Agricultural Economics Building* 125. Professors MOORE and EATON.

A consideration of the fundamental principles of education with special attention to the needs of prospective teachers in the high school.

R.E. 194. **Education and Vocations.** First term. Credit three hours. Open to seniors and graduate students qualified in educational psychology, and economics or sociology. T Th S 10. Stone 309. Professor EATON.

A study of the theory of vocational education in the large.

R.E. 281. **Rural Secondary Education.** First term. Credit three hours. Primarily for graduate students. M W F 9. Stone 309. 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 and conditions.

R.E. 294. **Philosophy of Education.** Second term. Credit three hours. Open to graduate students whose studies in education are well advanced. M W F 11. *Stone* 309. Professor EATON.

An examination of the concepts of education, and of the bearing of several major theories of life upon education.

[R.E. 295. **Comparative Education.** First term. Credit two hours. S 11-12:30. Professors BUTTERWORTH, FERRISS, and MOORE.] Not given in 1936-37.

NATURE STUDY

R.E. 107. **The Teaching of Nature Study and Elementary-School Science.** Second term. Credit three hours. Open to those who have taken or are completing thirty hours in science and have had at least one term of suitable professional work. Lecture, M 12. *Fernow* 8. Practical exercises, T Th 1:40-4. Professor PALMER and Miss GORDON.

A study of the content and methods of nature-study and elementary-school science programs, with consideration of their significance to agriculture and to secondary-school science. Recommended for those preparing to teach or supervise science.

R.E. 108. **Field Natural History.** First term. Credit two hours. Not open to freshmen. Lectures, Th 1:40-2:30. *Fernow* 8. Field work, Th 2:30-5. Professor PALMER and Miss GORDON.

Field trips and lectures devoted to a study of the natural history of five ecological units under different seasonal conditions with special emphasis on their contributions to the teaching of science.

R.E. 202. **Nature Literature.** First term. Credit two hours. M W 10. *Fernow* 8. Open to students who will have completed their preparation for certification as science teachers by the end of the current year. Professor PALMER and Miss GORDON.

Acquaintance with prose, poetry, and fiction useful in enriching science courses in elementary and in secondary schools with critical examination of nature and science books for these grade levels.

[R.E. 209. **The Nature Movement and Its Makers.** First term. Credit two hours. M W 10. *Fernow* 8. Professor PALMER and Miss GORDON.] Not given in 1936-37.

RESEARCH

300. **Special Studies.** Credit as arranged. Members of the staff.

Students working on theses or other research projects may register for this course. The staff members concerned must be consulted before registration.

SPECIAL COURSES OFFERED IN THE 1936 SUMMER SESSION

(The courses listed below are not offered in the year 1936-37, but are available during the Summer Session of 1936.)

PSYCHOLOGY AND MEASUREMENT

Ed. A 12. **The Exceptional Child.** Credit two hours. Daily except Sat., 11. *Goldwin Smith* 134. Professor FREEMAN.

R.E. A 116. **Child Psychology.** Credit two hours. Daily except Sat., 10. *Stone* 102. Professor KRUSE.

R. E. A 215. **Psychology of Adolescence.** Credit two hours. Daily except Sat., 10. *Agricultural Economics Building* 125. Assistant Professor WINSOR.

METHOD

Ed. S 30. **Teaching the Social Studies in the Senior High School.** Daily except Sat., 12. *Goldwin Smith* 225. Mr. KIDGER.

R.E. A 122. **Education Through Child Activity.** Credit two hours. Daily except Sat., 8. *Comstock* 17. Miss HICKS.

R.E. A 122a. **Observation of Child Activity Education.** No credit. Daily except Sat., 9-12. Conference hours to be arranged. *Comstock* 17. Miss HICKS.

R.E. A 128. **The Teaching of Natural History in the Field.** Credit three hours. Lectures, M 12, *Fernow* 8. Field work F, 1:40 to S, 8 p.m. Professor PALMER and others.

R.E. A 134a. **Adult Education.** Credit two hours. Daily except Sat., 11. *Agricultural Economics Building* 240. Assistant Professor HOSKINS.

R.E. A 142a. **Organization and Method of Teaching Industrial Arts.** Credit two hours. Daily except Sat., 8. *Agricultural Economics Building* 240. Mr. WILLMOTT.

R.E. A 143. **The Organization and Teaching of Technical Subjects.** Credit two hours for each part.

a. **Curriculum Construction.** Daily except Sat., 9. *Agricultural Economics Building* 240. Mr. FENNINGER.

c. **Special Methods.** Daily except Sat., 8. *Rockefeller* 106. Mr. GRAY.

R.E. A 235. **The Teaching of Family and Social Relationships in the Secondary School.** Credit two hours. Daily except Sat., 2. *Stone* 203. Professor ROCKWOOD.

R.E. A 236. **Creative Procedures in the Teaching of Home Economics in the Junior High School.** Credit two hours. Daily except Sat., 11. *Stone* 203. Miss HUTCHINS.

R.E. A 242. **Industrial Arts Education.** Credit two hours. Daily except Sat., 10. *East Roberts* 223. Mr. WILLMOTT.

R.E. A 242a. **Seminar in Industrial Arts Education.** Credit two hours. Daily except Sat., 9. *Agricultural Economics Building* 340. Mr. FALES.

ADMINISTRATION, SUPERVISION, AND CURRICULUM

Ed. S 5. **High School Administration.** Credit two hours. Daily except Sat., 3. *Goldwin Smith* 225. Dr. JAGGERS.

R.E. A 169a. **Administrative Problems of Homemaking Teachers.** Credit two hours. Daily except Sat., 9. *Stone* 309. Miss HUTCHINS.

R.E. A 243. **Administration of Vocational Education.** Credit two hours. Daily except Sat., 8. *Stone* 309. Dr. MACDONALD.

R.E. A 243a. **Supervision of Technical Education.** Credit two hours. Daily except Sat., 10. *Stone* 309. Mr. DRY.

R.E. A 243b. **Seminar in Vocational Industrial Education.** Credit two hours. Daily except Sat., 11. *Stone* 309. Dr. MACDONALD.

R.E. A 249. **Seminar in Home Economics Education.** Credit two hours. Daily except Sat., 12. *Stone* 203. Professor BLAZIER.

R.E. A 262g. **Special Problems in Rural School Finance.** Credit two hours. Twice daily except Sat., Aug. 3-14. First meeting, M 9. *Agricultural Economics Building* 101. Dr. SIMPSON.

R.E. A 267c. **Vocational Education in the Public Schools.** Credit two hours. Daily except Sat., 11. *East Roberts* 232. Professor STEWART and representatives of the State Department of Education.

R.E. S 269. **The Supervision of Home Economics.** Credit two hours. Daily except Sat., 10. *Agricultural Economics Building* 240. Professor BLAZIER.

R.E. A 276a. **Practicum in the Elementary School Curriculum.** Credit two hours. Daily except Sat., 10. *Comstock* 17. Miss HICKS.

GUIDANCE

Ed. A 28. **Educational and Vocational Guidance.** Credit two hours. Daily except Sat., 10. *Stone* 203. Dr. EMERSON.

Ed. A 28a. **Educational and Vocational Guidance.** Credit two hours. Daily except Sat., 11. *Stone* 102. Dr. EMERSON.

Ed. A 29. **Analysis of the Individual and Counseling.** Credit two hours. Daily except Sat., 2. *Stone* 309. Dr. EMERSON.

R.E. A 217. **Psychological Tests in Guidance.** Credit two hours. Daily except Sat., 2. *East Roberts* 232. Assistant Professor WINSOR.

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The prospective student should have a copy of the
General Information Number

and a copy of one or more of the following Announcements:

Announcement of the Graduate School.

Announcement of the Medical College.

Announcement of the Law School.

Announcement of the College of Arts and Sciences.

Announcement of the College of Architecture.

Announcement of the College of Engineering.

Announcement of the New York State College of Agriculture.

Announcement of the Two-Year Courses in Agriculture.

Announcement of the Winter Courses in the College of Agriculture.

Announcement of the Courses in Wild-Life Conservation and Management.

Announcement of the Farm Study Courses.

Program of the Annual Farm and Home Week.

Announcement of the New York State College of Home Economics.

Announcement of the Course in Hotel Administration.

Announcement of the New York State Veterinary College.

Announcement of the Graduate School of Education.

Announcement of the Department of Chemistry.

Announcement of the Summer Session.

Annual Report of the President.

Special departmental announcements, a list of prizes, etc.

Other periodicals are these:

Guide to the Campus. A book of 132 pages, including 55 illustrations and a map in three colors. Price, postpaid, 50 cents.

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Correspondence regarding the Cornell University Official Publication should be addressed to

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ITHACA, NEW YORK.