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College Catalog, 1931-1932, Extension

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State Teachers College
at Buffalo



Extension Courses
1931-1932

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State Teachers College
at Buffalo



Extension Courses
1931-1932

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Printed in
STATE TEACHERS COLLEGE
PRINT SHOP
At Buffalo, N. Y.

THE FACULTY, 1931-1932

Harry W. Rockwell, M. A., Pd. D. President
Stephen C. Clement, M. A.
..... Director of Extension, and Professor of Education
David Adie Executive Secretary, Buffalo Council of Social Agencies
Harris C. Allen, M. A. Director of Vocational Guidance,
Niagara Falls
Joseph E. Barber, M. A. Assistant Principal,
East Aurora High School
H. Arnold Bennett, M. A. Instructor in History
Charles B. Bradley, B. S. Professor of Fine Arts
Homer A. Bruce, M. A. Instructor in Education
Helen Cumpson, B. A. Instructor in Kindergarten-Primary Music
Stanley A. Czurles, B. F. A. Instructor in Art
Marion P. Dana, B. S. Instructor in Kindergarten-Primary Methods
Robert DeMond, M. A. Professor of History
Helen G. Englebreck, M. A. Instructor in History
Raymond Fretz, M. A. Professor of Science
Frances G. Hepinstall, B. S. Librarian
Oscar O. E. Hertzberg, Ph. D. Professor in Psychology
Carolyn W. Heyman, B. S. Instructor in Art
David R. Hodgin, M. A. Instructor in English
Eugene Hofmeister, M. A. Director of Physical Education,
Bennett High School
Charles A. Messner, Ph. D. Professor of Latin
George E. Neumann, Ph. D. Professor of Sociology
Ruby Peek, M. A. Instructor in Art
Joseph F. Phillippi, M. A. Professor of Mathematics
Chester A. Pugsley, M. A. Professor of Elementary
School Administration
Gertrude E. Roach, R. N. Instructor in Health
Charles C. Root, M. A. Professor of Education
Alma M. Shugrue, B. A. Instructor in Kindergarten-Primary Methods
Harry J. Steel, M. A. Director of Training, and Professor of Education
John M. Thurber, Ph. D. Professor of English
Charles A. Vail, M. A. Instructor in Science
Marian A. Clark, B. A. Financial Secretary
Isabel Houck Kideney, B. A. Registrar
Chester G. Schoenborn Assistant to the Director

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CALENDAR—1931-1932

1931

Saturday, September 12—First Semester Registration.
 Saturday, September 19—Classes begin.
 Saturday, September 26—No changes in registration after this date.
 Saturday, October 10—Refund period ends.
 Saturday, November 7—Zone Meeting, New York State Teachers Association (Holiday).
 Saturday, November 28—Thanksgiving Recess.
 Saturday, December 19-January 2—Christmas Recess.

1932

Saturday, January 30—First Semester ends.
 Saturday, February 6—Second Semester Registration.
 Saturday, February 13—Second Semester Classes begin.
 Saturday, February 20—No changes in registration after this date.
 Saturday, March 5—Refund period ends.
 Saturday, March 26-April 2—Easter Recess.
 Saturday, June 4—Second Semester Classes end.

SATURDAY COURSES

FIRST SEMESTER

First Period—9:00-10:40 A. M.

Biology for Teachers.....	Mr. Fretz	Room 206-V
Educational Measurements.....	Mr. Root	Room 222
Elementary Crafts.....	Mrs. Heyman	Room 209
Elementary School Curriculum.....	Mr. Pugsley	Room 107
Beginning French.....	Dr. Messner	Room 203
Labor Problems.....	Mr. Adie	Room 114
Mediaeval History.....	Miss Englebreck	Room 117
New Type Examinations.....	Dr. Hertzberg	Room 220
Shakespeare.....	Dr. Thurber	Room 217
The Library as a Factor in Education.....	Miss Hepinstall	Room 106

Second Period—10:50 A. M.-12:30 P. M.

Adapting Instruction to Individual Differences.....	Mr. Steel	Room 103
Adolescent Psychology.....	Mr. Bruce	Room 221
American History, 1783 to 1865.....	Mr. DeMond	Room 118
College Algebra.....	Mr. Phillippi	Room 116
Diagnostic and Remedial Measures in Reading.....	Dr. Hertzberg	Room 220
History of European Art.....	Mr. Bradley	Room 204
Contemporary Continental Literature.....	Mr. Hodgins	Room 218
Study of Occupations.....	Mr. Barber	Room 107
Tests and Measurements for Kindergarten-Primary.....	Mrs. Shugrue	Room 106

SECOND SEMESTER

First Period—9:00-10:40 A. M.

Advanced Vocational Guidance.....	Mr. Allen	Room 103
Elementary School Curriculum.....	Mr. Pugsley	Room 107
Europe Since 1914.....	Miss Englebreck	Room 117
Beginning French.....	Dr. Messner	Room 203
Interior Decoration.....	Miss Peek	Room 211
Junior High School Organization.....	Mr. Steel	Room 113
Music for Young Children.....	Miss Cumpson	Room 105
Principles of Economics.....	Mr. Bennett	Room 118
Principles of Education.....	Mr. Bruce	Room 221
Shakespeare.....	Dr. Thurber	Room 217

SECOND SEMESTER—Continued

Second Period—10:50 A. M.-12:30 P. M.

American History, Since 1866.....	Mr. DeMond	Room 118
Figure Drawing	Mr. Czurles	Room 209
History of Education.....	Mr. Root	Room 222
Industrial Arts.....	Miss Dana	Room 205
Contemporary Continental Literature.....	Mr. Hodgins	Room 218
Physical Science	Mr. Vail	Room 208-V
Principles and Practices of Progressive Teaching	Mr. Pugsley	Room 107
Psychology of Personality.....	Dr. Hertzberg	Room 220
Social Psychology	Dr. Neumann	Room 223

COURSES GIVEN DURING THE WEEK

FIRST SEMESTER

Swimming	Miss Roach
Seminar for Attendance Officers.....	Mr. Clement
Principles of Physical Education.....	Mr. Hofmeister
Family Clinic	Mr. Adie

SECOND SEMESTER

Seminar for Attendance Officers.....	Mr. Clement
Organization and Administration of Adult Education.....	Mr. Clement
Archery	Miss Roach

EXTENSION COURSES, 1931-1932

PURPOSE

The State Teachers College at Buffalo offers a three-year course leading to a diploma in Elementary Education, and a four-year course leading to the degree of Bachelor of Science (in Education). In addition there are offered one and three-year courses for the training of Vocational Industrial teachers. There is also a four-year course in Home Economics.

The Extension Program is organized primarily to facilitate the completion of desired programs by teachers in service or by undergraduates. It also attempts to offer opportunity of extended training for increased efficiency, for personal satisfaction, or for promotion to supervisory, administrative or critic positions in Elementary and Junior High School fields.

Normal School graduates who have completed the former two-year course or the present three-year course may meet the requirements for the degree of Bachelor of Science (in Education) by pursuing Summer Session and Extension Courses. Reasonable credit for successful teaching experience which is certified to by competent supervising officials, will be granted where possible.

For information regarding the entire curriculum of the College, and the requirements for the degree, students are referred to the general catalog of the College, obtainable in the General Office. Students who wish the evaluation of credentials should consult the Registrar.

REGULATIONS

Teachers in service and properly qualified undergraduates will be admitted to extension courses, subject to such restrictions as are hereafter noted.

The first semester begins September 12, 1931, and closes January 30, 1932. The second semester begins February 6, 1932, and closes June 4, 1932. All classes will be held on Saturdays at the State Teachers College unless otherwise indicated. Saturday class periods are from 9:00 to 10:40 A. M. and from 10:50 A. M. to 12:30 P. M.

Registration for the first semester will take place on Saturday, September 12, 1931, at 9:00 A. M. Changes in schedule will not be permitted after September 26. Registration for credit will not be permitted after September 26. For registration after September 12, a special late registration fee of \$1.00 will be charged.

Registration for the second semester will take place on Saturday, February 7, 1932, at 9:00 A. M. Changes in schedule will not be

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permitted after February 20. Registration for credit will not be permitted after February 20. For registration after February 6, a special late registration fee of \$1.00 will be charged.

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The right is reserved to limit the registration in each course to thirty-five students. Classes with a registration of less than fifteen students will be automatically withdrawn.

16.

The following regulations have been adopted to govern the administration of extension courses:

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1. All extension courses shall be organized on a fifteen session or a twenty-three session basis, each session being one hour and forty minutes in length. Satisfactory completion of a course shall entitle the student to either two or three semester hours credit, unless the course is organized on a non-credit basis. Courses shall be maintained on an academic basis equivalent to courses given in regular session. Textbooks and final examinations are required.
2. While credit is granted for the completion of all credit courses, the application of such credit to the specific program of any student is subject to the approval of the Registrar. Extension credit is transferable to other academic institutions, in accordance with the regulations of such institutions.
3. No student shall be allowed more than two absences in a fifteen session course, or more than three absences in a twenty-three session course. Late registration shall count as an absence.
4. Regular registration will take place before the first session of any course. Course transfers and late registration must be made before the third session of any course. Students who wish to take courses without credit may do so, but are subject to regular fees.
5. All fees are payable upon registration. A late registration fee will be charged all late registrants. Upon written application to the Director of Extension, fees, with the exception of the late registration fee, will, for sickness or other adequate reasons, be refunded in full before the fifth session of the course. No fees will be refunded after the fifth session of any course. Application for refund must be made within the period herein specified.
6. No student may register for more than six semester hours extension credit in any semester without permission.
7. Students who are taking a regular program in residence may register for extension courses but must secure permission blank from the registrar.

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All courses in the Extension Department are expected to require the same standard of serious effort as similar courses given during the regular session. To this end, courses carrying two semester hours of credit assume a minimum preparation of two clock hours devoted to reading and preparation for each meeting of the class, and some courses may require considerably more than the minimum preparation and outside study.

FEES

Beginning with the school year 1931-1932, the general financial administration of the Extension Department is placed under the control of the New York State Department of Education. The State Department provides that a uniform fee of \$5.00 should be charged for each point of credit in all state normal schools and teachers colleges. Therefore, in accordance with this regulation, a fee of \$5.00 will be charged for each credit point.

Non-credit courses will be charged the same fee for each semester hour.

Fees are payable at registration. No student will be admitted to class until all charges have been met. Fees are returnable for reasonable cause at the discretion of the Director of Extension if application is made before the fifth week of any semester.

14.

EXTRA-MURAL CENTERS

The State Teachers College holds itself ready to offer extension work in any community or center within traveling distance. The selection of courses and instructors will be determined by joint conference between the Director of Extension and the prospective students. Courses will be given on week-day afternoons or evenings, or Saturday mornings. The required registration is dependent on the course and on the necessary traveling expenses.

During the year 1930-1931, the following courses were offered in extra-mural centers:

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Batavia: Adolescent Psychology, Dr. Hertzberg
New Type Examinations, Dr. Hertzberg
Psychology of Elementary School Subjects,
Dr. Hertzberg

Hamburg: Shakespeare, Dr. Lappin
Victorian Novel, Dr. Lappin

Kenmore: Advanced Rhythm in the Kindergarten-Primary
Grades, Miss Cumpson
Principles and Practices of Progressive Teaching,
Mr. Pugsley

17.

Lockport: Elementary Educational Sociology, Mr. Clement
Introduction to Mental Hygiene, Mr. Clement
Shakespeare, Dr. Lappin

North Tonawanda: Principles and Practices of Progressive
Teaching, Mr. Pugsley

Tonawanda: Contemporary English Literature, Dr. Lappin
Schenectady: Junior High School, Mr. Linton

18.

Organization of Unit Curricula for Kindergarten-Primary Grades, Miss Brown

Organization of Unit Curricula for Intermediate Grades, Miss Buker

19.

Buffalo: Activities in Kindergarten-Primary Grades,
Miss Butler

Advanced Methods in Arithmetic, Grades Five and Six, Miss Davis

Primary Methods, Miss Butler

Tests and Measurements in Physical Education,
Mr. Hofmeister

DESCRIPTION OF COURSES

ART

Art 171-E. Elementary Crafts

Creative Crafts for Elementary Schools. Work in various materials suitable for manipulation by pupils of primary and intermediate grades. Freedom of expression, rather than technical accomplishment will be stressed. As this course usually requires four hours class work for two credits on a studio basis, outside reading and prepared work will be required. This course might be credited as Industrial Arts for intermediate students, or as Elementary Crafts for Special Art Students.

First semester, 9:00 - 10:40 A. M. Room 209. Two points credit.

Mrs. Heyman.

Art 251-E. Figure Drawing

Drawing from the posed model, both nude and costumed. Study of human anatomy. Charcoal and crayon. Elective for Special Art Students.

Second semester, 10:50 - 12:30 P. M. Room 209. Two points credit.

Mr. Czurlles.

Art 302-E. History of European Art

The historic development of art as illustrated in architecture, sculpture, painting and the minor arts. As the development is traced from prehistoric to modern times, the relation of art to the civilization which produced it is stressed. Art principles are studied, discussed, and used in the comparative study of works of art. Lantern slides, prints, and museum study are used as a means to develop a background for the appreciation of art. Required of all General Juniors and Special Art students, elective for Home Economics students.

First semester, 10:50 A. M. - 12:30 P. M. Room 204. Two points credit.

Mr. Bradley.

Art 361-E. Interior Decoration

Art principles applied in home decoration. Period furnishings and modern problems in home furnishings. Elective for Special Arts students.

Second semester, 9:00 - 10:40 A. M. Room 211. Two points credit.

Miss Peek.

14.

EDUCATION

Ed. 430-E. Adapting Instruction to Individual Differences

Review of the common plans used in American schools, methods of classification and instruction based upon the class organization and its modifications. Careful consideration of problems brought to the course by teachers. Prerequisite—Technique of Teaching. Elective for Third and Fourth Year students.

First semester, 10:50 A. M. - 12:30 P. M. Room 103. Two points credit.

Mr. Steel.

15.

Ed. 431-E. Advanced Vocational Guidance

This course will deal with the functions of guidance in its relation to general education in the Elementary school, Junior High school, Senior High school, vocational education; practical aids in the analysis of school problems pertaining to guidance; essentials of a guidance program; counseling and the duties of the counselor; placement and follow-up; relation of psychological tests and educational measurements to guidance and counseling; cumulative records, etc.

The requirements of the course will be met through discussions, readings, abstracts, and reports. This course is primarily intended for students in the Vocational-Industrial Department and is open to General College students only by consent of the Student Program Committee.

Second semester, 9:00 - 10:40 A. M. Room 103. Two points credit.

Mr. Allen.

16.

Ed. 303-E. Educational Measurements

Aims to give Elementary teachers sufficient acquaintance with standard tests and scales to enable them to use such instruments for the improvement of classroom instruction. Topics treated: nature of measurement, historical development; fundamental considerations to be observed in using tests; bases for selection of tests; classification of measuring materials; a testing program; faults of traditional measures; improvements in school examinations; diagnosis and remedial treatment. Differentiated for Primary and upper grades. Required of Third Year students.

First semester, 9:00 - 10:40 A. M. Room 222. Two points credit.

Mr. Root.

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Ed. 420-E. Elementary School Curriculum, A and B

It is the purpose of this course to acquaint teachers with the nature, composition, and use of the well constructed curriculum, and develop skill in determining acceptable subject aims, content, and method. Topics to be treated: the curriculum reflects the nature of society; functions the public elementary school should perform; setting up general and specific aims consistent with these functions; selection of curriculum content for the major school subjects; the place of method and outcomes in the curriculum. For Fourth Year and properly qualified Third Year students.

First semester, 9:00 - 10:40 A. M. Room 107. Two points credit.

Second semester, 9:00 - 10:40 A. M. Room 107. Two points credit.

Mr. Pugsley.

Ed. 304-E. History of Education

A brief study of the evolution of our American State school system including the European background, transplanting of European ideas, their adaptation to American conditions, the establishment of our State system and the recent rapid expansion and extension of that system to meet the needs of our modern life. Required course for Third Year students.

Second semester, 10:50 A. M. - 12:30 P. M. Room 222. Two points credit.

Mr. Root.

Ed. 401-E. Junior High School Organization

The special purposes of the institution and the characteristics of the school designed to achieve these purposes are the main features of the course. Subject of study: the guidance program; extra curricular activities; provisions for the exploratory function for adolescent children; provision for individual differences by homogeneous grouping; the staff; the Junior High school plant, the history of the movement and tendencies toward standardization. Required of Fourth Year and properly qualified Third Year students.

Second semester, 9:00 - 10:40 A. M. Room 113. Two points credit.

Mr. Steel.

Ed. 305-E. Principles of Education

Aims to integrate for teachers the details of educational theory and practice represented by the preliminary courses in education, psychology, and biology, thus furnishing them with a unified body of educational doctrine. This is accomplished by viewing the educational process as the "life process." From the natural laws of this

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process are developed the fundamental principles and goals for education. Required of Third Year students.

Second semester, 9:00 - 10:40 A. M. Room 221. Two points credit.

Mr. Bruce.

15.

Ed. 433-E. Principles and Practices of Progressive Teaching

This course will deal with the following: the appearance of the new school; who are its advocates; what is its basic philosophy; the educational significance of activity; the integration of personality; the child's approach vs. the adult's approach to learning and knowing; the nature and use of the integrated curriculum; criteria for selecting the curriculum units; preparation of the large unit of work; initiating the activity program; the teacher's daily program in terms of function; adapting the new program to the public school; setting up and measuring the outcomes. Third or Fourth Year elective.

Second semester, 10:50 A. M. - 12:30 P. M. Room 107. Two points credit.

Mr. Pugsley.

16.

Ed. 432-E. Study of Occupations

This course affords an opportunity to discuss many vocations and to answer questions which are common to many. It will discuss subject matter for life-career classes, various methods of presenting the subject matter, and the nine heads under which the United States Census Bureau has tabulated the world's work. A method of making an analysis and the preparation for a vocation will be given. Real case problems will be used throughout the entire course. Third or Fourth Year elective.

First semester, 10:50 A. M. - 12:30 P. M. Room 107. Two points credit.

Mr. Barber.

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N. C. 1-E. Organization and Administration of Adult Education

This course begins with a survey of types of formal and informal adult education in this and other countries, considering the following agencies: the public schools, library, museum, press, radio, and local and national adult education organizations. Attention will be given to parental education, alumni education, and to the development of community programs. Methods, philosophy and selection and training of leaders will also be considered. It is hoped that various community leaders in the field will participate.

Second semester, 4:20 - 6:00 P. M., Thursdays. Room 107. No credit.

Mr. Clement, and others.

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N. C. 2-E. Problems of the Attendance Officer

This course is a continuation of the seminar for attendance officers offered during 1930-1931. The course will include consideration of psychiatric, medical, psychological and legal backgrounds, case studies drawn from the experience of the group, and an analysis of record and report forms. This is a non-credit course.

Second semester, 4:20 - 6:00 P. M., Wednesdays. Room 107.

No credit.

Mr. Clement, Mr. Pugsley, and others.

ENGLISH

Eng. 410-E. Contemporary Continental Literature, A and B

A study of the principal plays, novels, and short stories of the leading European authors, including Ibsen, Hauptman, Chekhov, Lagerlof, Maeterlinck and many others. Through lectures, readings, and reports the students should gain a comprehensive understanding of recent European literature. Third and Fourth Year elective.

First and second semester, 10:50 A. M. - 12:30 P. M. Room 218. Two points credit each semester.

Mr. Hodgkin.

Eng. 408-E. Shakespeare, A and B

A study of Shakespeare, poet, dramatist, and interpreter of the Elizabethan Age. Reading and discussion of the important works, with intensive analysis of ten or more major plays. A two-semester course, either half of which may be taken separately. Third or Fourth Year elective.

First and second semester, 9:00 - 10:50 A. M. Room 217.

Two points credit each semester.

Dr. Thurber.

FOREIGN LANGUAGE

Fr. 101-102. Beginning French

A year course for students who have not had French in high school. Minimum essentials of French grammar, French phonetics, as a basis for accurate pronunciation, easy oral and written composition, and copious reading of French prose and verse of graded difficulty. Elective.

First and second semester, 9:00 - 10:40 A. M. Room 203.

Two points credit each semester.

Dr. Messner.

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HISTORY AND SOCIOLOGY

Hist. 401-E. American History from 1783 to 1865

The second of a series of three courses giving a survey of the history of the United States, with special emphasis on the development of nationality and the causes leading to division and secession. Persons taking this course should have some knowledge of colonial history. Each member of the class will be expected to prepare a bibliography and to write an essay on a particular subject to be arranged with the instructor. Third or Fourth Year elective.

First semester, 10:50 A. M. - 12:30 P. M. Room 118. Two points credit.

Mr. DeMond.

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Hist. 402-E. American History since 1866

The last of a series of three courses giving a survey of the history of the United States. This course treats of reconstruction in the South, the development and the age of big business, the rise of the United States to a world power, the establishment of a Colonial empire, and the participation in the World War. Third or Fourth Year elective.

Second semester, 10:50 A. M. - 12:30 P. M. Room 118. Two points credit.

Mr. DeMond.

17.

Hist. 408-E. Europe since 1914

The causes, events, and results of the World War; the treaty settlements; post-war developments and problems; present areas of friction; the League of Nations, World Court, and other efforts at international cooperation and peace. Third and Fourth Year elective.

Second semester, 9:00 - 10:40 A. M. Room 117. Two points credit.

Miss Englebreck.

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Soc. 405-E. Labor Problems

This course covers the history and nature of industrial change; the history and development of industrial and labor organizations, the nature of labor problems, communal relationships, and the study of present day plans of personnel and shop relationships.

First semester, 9:00 - 10:40 A. M. Room 114. Two points credit.

Mr. Adie.

19.

Hist. 403-E. Mediaeval History

A study of the Roman world at the beginning of the Germanic invasions and of the type of people that resulted from the fusion of

the two races, with emphasis upon the growth and organization of the Christian church and its relation to the intellectual movements and culture of the times, the crusades, cathedrals, the growth of towns, trade, the revival of learning, and the beginning of the modern state system. Third or Fourth Year elective.

First semester, 9:00 - 10:40 A. M. Room 117. Two points credit.

Miss Englebreck.

Soc. 301-E. Principles of Economics

The essential purpose of this course is the acquirement of a working knowledge of sound economic theory in order that the phenomena of the industrial and commercial world may be understood. The customary division of the science is followed: production, exchange, distribution, consumption. Attention is given to labor and reform movements. Required of all Juniors in the General College department.

Second semester, 9:00 - 10:40 A. M. Room 118. Two points credit.

Mr. Bennett.

Soc. 404-E. Social Psychology

Beginning with a consideration of the inherited and acquired equipment of human beings as a basis of their behavior in social life, there will be a special study of development, integration and adjustment of personalities to their social environment; the part which attitudes play in group life; various types of abnormal group action through leadership and public opinion. Prerequisites: an introductory course in sociology or consent of the instructor. Third or Fourth Year elective.

Second semester, 10:50 A. M. - 12:30 P. M. Room 223. Two points credit.

Dr. Neumann.

KINDERGARTEN-PRIMARY

K-P 303-E. Tests and Measurements for Kindergarten-Primary Grades

Designed to give Elementary teachers sufficient acquaintance with standard tests and scales to enable them to use such instruments for the improvement of classroom instruction. Special attention to Kindergarten-Primary grades. Required of Third Year students.

First semester, 9:00 - 10:40 A. M. Room 106. Two points credit.

Mrs. Shugrue.

14.

K.-P. 202-E. Industrial Arts

Students gain knowledge of experimental methods and the technic of working with materials adapted to this age level. Work with textiles, paper, painting, crayons, wood, clay and toy making, will be demonstrated. An application through these materials will show the integration of the art with the various school subjects. Both method and practice are given. Reports on investigations will be included with discussion and criticism. Required of Second Year Kindergarten-Primary students.

Second semester, 10:50 A. M. - 12:30 P. M. Room 205. Two points credit.

Miss Dana.

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K.-P. 402-E. Music for Young Children

Rhythm. Note-stepping and phrasing. The interpretation of the character of songs through dramatization. Material. Children's songs. A study of first songs and devices, folk-songs, and songs that are being written today. Music for use in note-stepping and music for the percussion band. Methods of presenting music to children, of giving experience in singing, stepping and in the playing of percussion instruments. Not open for credit to upper grade teachers. Elective for Third and Fourth Year Kindergarten-Primary students. Can be substituted for Kindergarten-Methods in old curriculum.

Second semester, 9:00 - 10:40 A. M. Room 105. Two points credit.

Miss Cumpson.

17.

LIBRARY**Lib. 301-E. The Library as a Factor in Education**

This course attempts to answer the question, "What resources has the library, and their importance to the teacher?" The course will include a study of the fundamental and special reference books; the use of materials from the public libraries, state libraries and the Library of Congress; buying and owning of books with special emphasis on book selection; compiling bibliographies; brief study of children's books. The course also attempts to summarize for the teacher books and materials for special groups: Boy Scout groups, Girl Scout groups, maladjusted and crippled children and so on. Third or Fourth Year elective.

First semester, 9:00 - 10:40 A. M. Room 106. Two points credit.

Miss Hepinstall.

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MATHEMATICS**Math. 402-E. College Algebra**

A rapid review of High school algebra is followed by studying mathematical induction, graphical interpretation of formulae, theory of equations, the formation and use of logarithms and such other topics as are necessary for the study of trigonometry, analytics and calculus. Prerequisite, intermediate algebra. Third or Fourth Year elective.

First semester, 10:50 - 12:30 P. M. Room 116. Two points credit.

Mr. Phillippi.

PHYSICAL EDUCATION**Ph. Ed. 100-E. Organization and Administration of Physical Education**

The organization of the department of physical and health education; its relation to other departments, to the city school system, and to the state. Aims and purposes in administration and supervision; duties of the physical and health education staff and its relation to the nurse, school physician, principal and superintendent of schools; preparation of courses of study, teacher conferences, teaching load, teacher improvement and rating; principles in the construction and equipment of the physical plant and the administration of its use; economical office organization and administration. Lectures, assigned readings, observation, reports and discussions.

Thursdays, Hutchinson High School, Room 140. 4:15 - 6:05 P. M. Three semester hours credit.

Mr. Hofmeister.

N. C. 3-E. Archery

If a sufficient number of students are interested, a class in archery will be organized. Hour of course to be arranged. No credit.

Second semester.

Miss Roach.

N. C. 4-E. Swimming

If a sufficient number of students are interested, a class in swimming for both elementary and advanced students will be organized. Hour of course to be arranged. No credit.

First semester.

Miss Roach.

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PSYCHOLOGY

Psy. 303-E. Adolescent Psychology

Treats of the nature of adolescence; the problem of saltatory versus continuous development; the physical, intellectual and emotional characteristics of native behavior and mental development; development of the child's attention, perception, memory, imagination, thinking and interest during this stage; nature and significance of play; moral and religious life of the child; observation and interpretation of child behavior. Required of Juniors majoring in the Intermediate grades.

First semester, 10:50 A. M. - 12:30 P. M. Room 221. Two points credit.

Mr. Bruce.

15.

Psy. 405-E. Diagnostic and Remedial Measures in Reading

Aims to present a system of measuring achievement, diagnosing difficulties, indicating remedial measures in reading; new methods of teaching reading as they apply to bright, average and dull normal children, to children suffering from acquired reading difficulties and to children deficient in vision, hearing, motor control and speech. Elective for Juniors and Seniors.

First semester, 10:50 A. M. - 12:30 P. M. Room 220. Two points credit.

Dr. Hertzberg.

16.

Psy. 403-E. New Type Examinations

Aims to familiarize the student with the nature and the use of new-type objective examinations; consideration is given to types of subjective tests, their deficiencies and advantages; types of objective tests, their limitations and advantages. Practice is given in the construction, administration, scoring, and interpretation of different types of objective tests. Elective for Juniors and Seniors.

First semester, 9:00 - 10:40 A. M. Room 220. Two points credit.

Dr. Hertzberg.

17.

Psy. 408-E. Psychology of Personality

The purpose of the course is to analyze the various factors which contribute to the development of personality. The following topics will be treated: the nature of personality; habit, the key to personality; instincts, emotions, and endocrine glands as related to personality; pseudo-scientific methods of analyzing and determining personality, magic, clairvoyance, astrology, phrenology, physiognomy, the ability and character; diagnosis of character and temperament.

18.

19.

objective methods of analyzing and measuring personality; the relationship between intelligence and personality; the relationship between scholarship and personality and the importance of personality in teaching; personality adjustments of school children. Elective for Third or Fourth Year.

Second semester, 10:50 A. M. - 12:30 P. M. Room 220. Two points credit.

Dr. Hertzberg.

SCIENCE

Sc. 401-E. Biology for Teachers

A survey of the fundamental facts of biology as they bear specifically upon the teaching of biology in the grades. Observation of current forms of organic life are made from the point of view of ecology, or the relation of the organism to its environment, and behavior. Taxonomy, or the science of naming and classifying specimens, with the necessary studies of structure and physiology, is given some attention. Fourth Year elective.

First semester, 9:00 - 10:40 A. M. Room 206-V. Two points credit.

Mr. Fretz.

Sc. 303-E. Physical Science

Man's environment and his increasing control over it, the basic consideration. Emphasis placed on those laws, theories and principles which are essential in understanding the appliances and mechanisms used in modern life. Discussions, demonstrations, projects, experiments. Third or Fourth Year elective.

Second semester, 10:50 A. M. - 12:30 P. M. Room 208-V. Two points credit.

Mr. Vail.

FAMILY CLINIC

As an experimental adventure in the field of Parental Education, a family clinic will be established during the fall of 1931. The clinic will serve as an open conference where parents and others interested in practical problems of child development will have an opportunity for mutual discussion under the leadership of experts in the various fields which will come under consideration. It is probable that such topics as child health, food habits, play life, religion, and general environmental adaptation will be considered. Mr. Adie, Mr. Clement,

14.

Dr. Neumann, Mr. Fretz, and others will be invited to lead discussions. The group will meet every second Monday in Social Center A. Parents who are interested in affiliating with this group should consult with Mr. Clement. Registration will be limited. No college credit will be granted.

15.

COURSES GIVEN UNDER THE AUSPICES OF THE BUFFALO MUSEUM OF SCIENCE AT THE MUSEUM

16.

Especial attention is called to the following courses given under the auspices of the Buffalo Museum of Science. Students may, with permission from the Registrar of the State Teachers College, enroll in the following courses and receive two points credit from each course.

INTRODUCTION TO ENTOMOLOGY

17.

This course is planned to cover the features of the subject essential as an introduction to the advanced work to be offered in the Second semester. Here the place of the insect in nature, together with a consideration of its near relatives, is taken up. The external and internal anatomy of insects and other arthropods will be carefully studied in both immature and adult stages. Special stress will be laid on important adaptive modifications of organs as found in the several orders of the class. Insect physiology is to be taken up and typical life histories will be studied in treating metamorphosis. Some attention will also be given to the important matter of coloration, mimicry, and protective resemblance in insects.

18.

The first meeting of the class will be held Wednesday, October 7, in the Humboldt Room.
William P. Alexander, instructor.

INTRODUCTION TO BOTANY

19.

This course is planned to meet the needs of the student desiring a first course in Botany. It also leads to the advanced course to be offered in the Second semester. The four great divisions of the plant kingdom will be considered. A detailed study of the structure of representative types is to be made. Special emphasis will be

laid on structural modifications leading to a clear understanding of the evolution of the flowering plants. Scientific terms necessary to the ready use of a manual for plant identifications will be studied.

The first meeting of the class will be held Monday, October 5, at 7:45 P. M., in the Agassiz Room.
Florence A. Huck, instructor.

INTRODUCTION TO ASTRONOMY

This is a non-mathematical course dealing with the solar system. In it will be considered the physical characteristics and the motions of the sun, the planets and their satellites, the comets, and the meteors, together with theories of the origin of the solar system. As the weather permits, the visible constellations will be studied, and telescopic observations of the more interesting objects will be undertaken with the eight-inch refracting telescope in the Kellogg Observatory.

The first meeting of the class will be held Thursday, October 8, at 7:45 P. M., in the Auditorium.
Harold F. Balmer, instructor.

Attention is also called to the non-credit courses given at the Museum. Those courses should be of great interest and should provide much material of practical value to students. Description of the courses may be found in Bulletin 16, Museum Pamphlet Series.

Beginnings with the Microscope.....	Imogene C. Robertson
Principles of Radio and Electronics.....	Lowell C. Kitchin
Science in Literature.....	Raymond M. Fretz
Glacial Geology of Western New York.....	Irving C. Reimann
Recognition of Minerals and Their Uses.....	Richard F. Morgan
Aquarium Maintenance.....	John A. Wanless
Physics of Everyday Life.....	Charles A. Vail