

State University of New York College at Buffalo - Buffalo State University

## Digital Commons at Buffalo State

---

Academic Catalogs, 1871-2018

Buffalo State Archives: History of the Institution

---

1934

### College Catalog, 1934-1935, Extension

Buffalo State College

Follow this and additional works at: <https://digitalcommons.buffalostate.edu/buffstatecatalogs>



Part of the [History Commons](#)

---

#### Recommended Citation

"College Catalog, 1934-1935, Extension." Academic Catalogs, 1871-2018. Archives & Special Collections Department, E. H. Butler Library, SUNY Buffalo State.

<https://digitalcommons.buffalostate.edu/buffstatecatalogs/60>

This Book is brought to you for free and open access by the Buffalo State Archives: History of the Institution at Digital Commons at Buffalo State. It has been accepted for inclusion in Academic Catalogs, 1871-2018 by an authorized administrator of Digital Commons at Buffalo State. For more information, please contact [digitalcommons@buffalostate.edu](mailto:digitalcommons@buffalostate.edu).



14.

15.

16.

17.

18.

19.

# State Teachers College Bulletin

BUFFALO, NEW YORK

VOL. II. No. 5

---

---



## EXTENSION COURSES

1934—1935

AUGUST - 1934

---

---

One of Five Publications Issued by State Teachers College at  
Buffalo, N. Y.: In March, April, May, August, and November

Entered as Second Class Mail Matter November 3, 1932, at the Post  
Office at Buffalo, N. Y., Under the Act of Congress  
of August 24, 1924



14.

15.

16.

17.

18.

19.

THE FACULTY, 1934-1935

Administrative Staff

Harry W. Rockwell, M.A.; Pd.D. .... President  
 Stephen C. Clement, M.A. ....  
 ..... Director of Extension and Professor of Education  
 Marion A. Clark, A.B. .... Financial Secretary  
 Frances G. Hepinstall, B.S. .... Librarian  
 Isabel Houck Kideney, A.B. .... Registrar  
 Chester G. Schoenborn, B.S. .... Assistant Director of Extension

Teaching Staff

Grace A. Allen, M.A. .... Assistant Director of Training  
 W. Leslie Barnette, B.A. .... Instructor in Psychology  
 Charles B. Bradley, B.S. .... Professor of Fine Arts  
 Homer A. Bruce, M.A. .... Instructor in Education  
 Luella Chapman .... Instructor in Penmanship  
 Stephen C. Clement, M.A. .... Professor of Education  
 Hubert E. Coyer, M.A. .... Instructor in Health Education  
 Helen Cumpson, B. A. ....  
 ..... Instructor in Kindergarten-Primary Music, Franklin School  
 Stanley A. Czurles, B.F.A. .... Instructor in Art  
 Marion P. Dana, M.A. .... Instructor in Kindergarten-Primary Method  
 Margaret Dupre, B.S. .... Instructor in Science  
 Helen G. Englebreck, M.A. .... Instructor in History  
 Raymond M. Fretz, M.A. .... Assistant Professor of Science  
 Anna M. Gemmill, M.A. .... Assistant Professor of Science  
 Andrew W. Grabau, M.A. .... Instructor in English  
 Oscar E. Hertzberg, Ph.D. .... Professor of Psychology  
 Carolyn W. Heyman, B.S. .... Instructor in Art  
 Irene Hirsch, M.A. .... Instructor in Kindergarten-Primary Method  
 David R. Hodgkin, M.A. .... Instructor in English  
 Ruth E. Houston, B.A. .... Professor of Health Education  
 Ida L. Kempke, M.A. .... Professor of English  
 Helen Lyvers .... Specialist in Puppetry  
 Edward L. Morrice, B.S. .... Instructor in Methods and Practice Teaching  
 Charles A. Messner, Ph.D. .... Professor of Latin  
 George B. Neumann, Ph.D. .... Professor of Sociology  
 Irving C. Perkins, M.A. .... Professor of Vocational Education  
 Harold F. Peterson, Ph.D. .... Instructor in Economics and History  
 Joseph F. Phillippi, M.A. .... Professor of Mathematics  
 Chester A. Pugsley, M.A. .... Professor of Elementary School Administration  
 George M. Quackenbush, M.A. ....  
 ..... Assistant Professor of Vocational Education  
 William J. Regan, L.L.B. ....  
 Principal of Girls Vocational School and Boys Continuation School  
 Harry W. Rockwell, Pd.D. .... President  
 Charles C. Root, M.A. .... Professor of Education  
 Winifred Salom, B.S. .... Instructor in Health Education  
 William J. Small .... Assistant Superintendent of Schools, Niagara Falls  
 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  
 Walter B. Weber, B.S. .... Instructor in Electricity  
 Kate V. Wofford, Ph.D. .... Professor of Rural Education



CALENDAR, 1934-1935

1934

14. Saturday, September 15, 9:00 A.M.-12:00 M.—Registration  
 Friday, September 21, 4:00-4:30 P.M.—Registration  
 Friday, September 21, 4:20 P.M.—First Friday Classes Meet  
 Saturday, September 22, 8:30-9:30 A.M.—Registration  
 Saturday, September 22, 10:30-11:00 A.M.—Registration  
 Saturday, September 22, 9:00 and 10:50 A.M.—First Saturday Classes Meet.  
 15. Friday, October 5, No registration for credit in Friday classes after 4:20 P.M.  
 Saturday, October 6, No registration for credit after 9:00 A.M.  
 No changes in schedule after 9:00 A. M.  
 Friday, October 12, Holiday (Note: classes will meet Wednesday, October 10)  
 Friday and Saturday, November 2 and 3, Zone Meeting, New York State Teachers Association (Holiday)  
 16. Friday, November 30, Thanksgiving Recess  
 Saturday, December 1, Thanksgiving Recess  
 Friday, December 21 thru Saturday, January 5, 1935, Christmas Recess

1935

- Friday, January 11, Classes resume work  
 Saturday, February 2, First Semester ends  
 9:30 A.M.-1:00 P.M.—Registration for Second Semester  
 Friday, February 8, 4:00-4:30 P.M.—Registration for Friday classes  
 4:20 P.M.—First Friday classes meet  
 17. Saturday, February 9, 8:30-9:30—Registration  
 10:30-11:00 A.M.—Registration  
 9:00 and 10:50 A.M.—First Saturday classes meet  
 Wednesday, February 20, No registration for credit in Friday classes after 4:20 P.M.  
 Friday, February 22, Holiday (Friday classes will meet Wednesday, February 20)  
 18. Saturday, February 23, No registration for credit after 9:00 A.M.  
 No changes in schedules after 9:00 A.M.  
 Friday, April 19 thru Saturday, April 27, Easter Recess  
 Friday, May 3, Classes resume work  
 Saturday, June 1, Second Semester ends.  
 June 8, 9, 10, 11, Commencement Program

Summer Session—1935

Monday, July 1.....Registration  
 Friday, August 9.....Summer Session Ends

CORRECTIONS.

The following corrections should be made in the Outline of Courses on pages 5 and 6.

- 1 - Dr. Neuman's course in Social Problems will be given in the second semester, Saturdays, 10:50-12:30.
- 2 - Miss Dana's course in Comparative Education will be given in the first semester, Saturdays, 10:50-12:30 in Room 221.
- 3 - Mr. Bradley's course in Recreational Crafts will be offered in the first semester, Saturdays, 10:50-12:30 in the Craft Shop.



14.

15.

16.

17.

18.

19.

FRIDAY AFTERNOON COURSES

4:20-6:00 P. M.

FIRST SEMESTER

Comparative Phonetics.....	Miss Cumpson	Room 105
Mental Hygiene.....	Mr. Clement	Room 218
Problems of Industrial Arts Education.....	Mr. Perkins	Room V-104

SECOND SEMESTER

School Assemblies and Festivals.....	Miss Cumpson	Room 105
Problems of Part-time Education.....	Mr. Regan	Room V-102
Public Speaking.....	Mr. Grabau	Room V-104
Social Aspects of Recreation.....	Mr. Clement and others	Room 218

SATURDAY COURSES

FIRST SEMESTER

First Period, 9:00-10:40 A. M.

Art in the Activity Program.....	Mrs. Heyman	Room 209
Child Nutrition.....	Miss Dupre	Room V-203
College Algebra.....	Mr. Phillippi	Room 116
Current History (A).....	Mr. Rockwell	Room 217
Evolution of Music (A).....	Mr. Hufstader and Mr. Barnette	Room 105
Genetics.....	Mr. Fretz	Room 117
German 101.....	Mr. Grabau	Room 222
Modern Continental Literature.....	Mr. Hodgkin	Room 218
Principles of Economics.....	Mr. Peterson	Room 118
Principles of Education.....	Mr. Bruce	Room 221
Rural Curriculum Organization.....	Miss Wofford	Room 112
Supervision.....	Mr. Perkins	Room V-104
Visual Aids in Industrial Teaching.....	Mr. Weber	Room V-102

Second Period, 10:50 A. M.-12:30 P. M.

Educational Measurements (A).....	Mr. Root	Room 222
Elementary School Methods in Science.....	Mrs. Gemmill	Room 106
General Literature (A).....	Mr. Messner	Room 203
General School Administration.....	Mr. Pugsley	Room 107
Mediaeval European History.....	Miss Englebreck	Room 117
Organization and Teaching of Industrial Arts in High Schools.....	Mr. Morrice	Room V-102
Principles of Composition and Arrangement.....	Mr. Czurles	Room 205
Psychology of Elementary School Subjects.....	Mr. Hertzberg	Room 220
Seminar in Industrial Education.....	Mr. Perkins and Mr. Quackenbush	Room V-104
Social Problems.....	Mr. Neumann	Room 221
Victorian Literature (A).....	Mr. Thurber	Room 217



SECOND SEMESTER

First Period, 9:00-10:40 A. M.

14.

Adolescent Psychology	Mr. Bruce	Room	221
Contemporary Poetry	Mr. Hodgkin	Room	218
Current History (B)	Mr. Rockwell	Room	217
Diagnostic and Remedial Techniques in Reading	Mr. Hertzberg	Room	220
Evolution of Music (B)	Mr. Hufstader and Mr. Barnette	Room	150

15.

General Literature (B)	Mr. Messner	Room	203
History of Europe Since 1914	Miss Englebreck	Room	117
History of European Art	Mr. Czurlis	Room	204
Literature for the Elementary Grades	Miss Kempke and Miss Hirsch	Room	214
Marionette Making and Puppetry	Miss Lyvers	Room	209
Problems in Technical Education	Mr. Small	Room	V-102
Study of Occupations	Mr. Quackenbush	Room	V-104

16.

Second Period, 10:50 A. M.-12:30 P. M.

Caribbean Interests and Policies of the U. S. Since 1898	Mr. Peterson	Room	118
Comparative Education	Miss Dana	Room	205
Educational Measurements (B)	Mr. Root	Room	222
Education in a Changing World	Miss Wofford	Room	112
German 102	Mr. Grabau	Room	116
Junior High School Organization	Mr. Steel	Room	106
Penmanship II	Miss Chapman	Room	120
Physical Science for the Grade Teacher	Mr. Vail	Room	220
Organization and Teaching of Trade Shop Work	Mr. Morrice	Room	V-102

17.

Recreational Crafts	Mr. Bradley	Craft Shop	
Seminar in Industrial Education	Mr. Perkins and Mr. Quackenbush	Room	V-104
Technique of Supervision	Mr. Pugsley	Room	107
Victorian Literature (B)	Mr. Thurber	Room	217

18.

19.

FOREWORD

Creative is today a word to conjure with. We have creative politics, creative education, creative art, creative criticism. There is abundant evidence that hosts of men and women do really feel the urge to create things that are new and worth while. But there is a great lag between the impulse to do and the achievement of the doing. The moment one sets out to give substance to his dreams he becomes impressed with the extreme meagreness of his present resources and the vast amount of knowledge and skill he will have to acquire before his performance can amount to anything.

It is worth any adult's while, after a number of busy years of adjustment to his ordinary vocation, to rework thoroughly his conceptions of himself and his fellow men. He needs psychology and sociology. It is worth his while to make up his mind as to man's place in the universe. In adolescence he had adumbrations of philosophy, but now he needs something more solid. Politics and economics do not appear the same thing at thirty as they appeared at twenty. Clearly the adult needs to review them. The adult begins to realize that the arts are not the mere adornment of life that Cicero and modern sophomores assume, but have in fact an essential place in the life of the community. Accordingly, the adult needs courses on art, courses in appreciation, in criticism, and above all, courses in which he participates actively and learns. The broader one's base of interest, the more solidly he stands.

—Adapted from Deliver Us From Dogma, by Alvin Johnson.



SECOND SEMESTER

First Period, 9:00-10:40 A. M.

Adolescent Psychology	Mr. Bruce	Room	221
Contemporary Poetry	Mr. Hodgkin	Room	218
Current History (B)	Mr. Rockwell	Room	217
Diagnostic and Remedial Techniques in Reading	Mr. Hertzberg	Room	220
Evolution of Music (B)	Mr. Hufstader and Mr. Barnette	Room	150
General Literature (B)	Mr. Messner	Room	203
History of Europe Since 1914	Miss Englebreck	Room	117
History of European Art	Mr. Czurles	Room	204
Literature for the Elementary Grades	Miss Kempke and Miss Hirsch	Room	214
Marionette Making and Puppetry	Miss Lyvers	Room	209
Problems in Technical Education	Mr. Small	Room	V-102
Study of Occupations	Mr. Quackenbush	Room	V-104

Second Period, 10:50 A. M.-12:30 P. M.

Caribbean Interests and Policies of the U. S. Since 1898	Mr. Peterson	Room	118
Comparative Education	Miss Dana	Room	205
Educational Measurements (B)	Mr. Root	Room	222
Education in a Changing World	Miss Wofford	Room	112
German 102	Mr. Grabau	Room	116
Junior High School Organization	Mr. Steel	Room	106
Penmanship II	Miss Chapman	Room	120
Physical Science for the Grade Teacher	Mr. Vail	Room	220
Organization and Teaching of Trade Shop Work	Mr. Morrice	Room	V-102
Recreational Crafts	Mr. Bradley	Craft Shop	
Seminar in Industrial Education	Mr. Perkins and Mr. Quackenbush	Room	V-104
Technique of Supervision	Mr. Pugsley	Room	107
Victorian Literature (B)	Mr. Thurber	Room	217

FOREWORD

Creative is today a word to conjure with. We have creative politics, creative education, creative art, creative criticism. There is abundant evidence that hosts of men and women do really feel the urge to create things that are new and worth while. But there is a great lag between the impulse to do and the achievement of the doing. The moment one sets out to give substance to his dreams he becomes impressed with the extreme meagreness of his present resources and the vast amount of knowledge and skill he will have to acquire before his performance can amount to anything.

It is worth any adult's while, after a number of busy years of adjustment to his ordinary vocation, to rework thoroughly his conceptions of himself and his fellow men. He needs psychology and sociology. It is worth his while to make up his mind as to man's place in the universe. In adolescence he had adumbrations of philosophy, but now he needs something more solid. Politics and economics do not appear the same thing at thirty as they appeared at twenty. Clearly the adult needs to review them. The adult begins to realize that the arts are not the mere adornment of life that Cicero and modern sophomores assume, but have in fact an essential place in the life of the community. Accordingly, the adult needs courses on art, courses in appreciation, in criticism, and above all, courses in which he participates actively and learns. The broader one's base of interest, the more solidly he stands.

—Adapted from Deliver Us From Dogma, by Alvin Johnson.



## PURPOSE

The Extension program is organized primarily to enable teachers and principals in service to complete the requirements leading to a diploma in Elementary Education or to complete the four-year course leading to the degree of Bachelor of Science. Its courses also offer opportunity for increased efficiency and personal satisfaction without regard for credit requirements.

Normal School graduates who have completed the former two-year course or the present three-year course, may, in most cases, meet the requirements for the degree of Bachelor of Science by pursuing Summer Session and Extension Courses.

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, and all who are candidates for diplomas or degrees should request an evaluation and statement of remaining requirements, which will be made in writing only. Students offering credit from other institutions will be required to furnish official transcripts and official evidence of High school graduation.

Teachers in Vocational-Industrial work are offered an opportunity to complete four-year programs in their special fields. Courses will be offered over a period of years so that all requirements may be met.

The Special Art department also offers a series of courses designed to permit the completion of training in that field. Here there is abundant opportunity for exercise of personal creative ability.

The State Teachers College was designated in 1928 as a center for the training of Elementary and Junior High school principals. Both candidates for such positions and experienced principals will find much of interest in the series of courses offered for them.

## 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 21 and closes February 2, 1935. The second semester begins February 8 and closes June 1, 1935. All classes will be held at State Teachers College unless otherwise noted. Saturday class periods are from 9:00 to 10:40 A.M. and from 10:50 to 12:30 P. M. Friday classes are from 4:20 to 6:00 P. M.

Registration for the first semester will begin on Saturday, September 15, 1934, at 9:00 A. M. Changes in schedules will not be permitted after October 6, 1934. Registration for credit will not be allowed after Friday, October 5, for Friday classes and Saturday, October 6, for Saturday classes.

Registration for the second semester will take place on Saturday, February 2, 1935, from 9:30 A. M. to 1:00 P. M. All students are expected to register at this time. Changes in schedules will not be permitted after February 23, 1935.

The right is reserved to limit the registration in each course to

thirty-five students. Classes with a registration of less than twelve may be automatically withdrawn.

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

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 will entitle the student to either two or three semester hours credit, unless the course is organized on a non-credit basis. Courses will be maintained on an academic basis equivalent to courses given in regular session. Textbooks and final examination 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 will be allowed more than two absences in a fifteen session course, or more than three absences in a twenty-three session course. Late registration will 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 on registration. A late registration fee will be charged all late registrants. No refunds will be made unless a course is discontinued because of insufficient number of registrants or for any other reason. Fees are not refunded in case a student drops a course.
6. No student may register for more than six hours extension credit in any semester without permission from the Student Program Committee, of which the Registrar is chairman.
7. Students who are taking a regular program in residence may register for Extension courses but must secure a permission blank from the Registrar. Such permission will be granted only in case of necessity.

All courses in Extension 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 of preparation and outside study.

The right is reserved to make any necessary alterations in the course offerings listed in this catalog without notice.

## APPLICATION FOR DIPLOMA

Students expecting to qualify for degrees in January or June of any year are required to make application in the Registrar's office for such degree by November 1 of the year in which they expect to graduate. Diplomas will not be ordered for students who fail to make application, and the college cannot be responsible for the graduation of any who fail to make application. Students completing the requirements for the degree during the Summer Session are required to make application for the degree before the close of the Summer Session.



TRANSCRIPTS OF RECORD

The Registrar's office cannot ordinarily furnish transcripts of record during registration week of any semester and, because of the large number of requests, students are urged to make application for transcripts some time before the date on which they are needed.

FEES

The general financial administration of the Extension department is under the supervision of the New York State Department of Education. The State Department has provided, beginning September, 1932, that a uniform fee of \$7.50 be charged for each hour of credit in all State Normal Schools and Teachers Colleges. Under this regulation the charge for a two-hour course is \$15.00; for a three-hour course, \$22.50. Non-credit courses will be charged the same fee for each semester hour. Special exceptions may be made in case of regular session students. A laboratory fee of \$5.00 is charged in certain studio courses in art.

Fees are payable at registration. No student will be admitted to class until all charges have been met. As indicated above, fees are not returnable unless courses are discontinued. This is in accordance with the regulations adopted by the Board of Regents on April 21, 1933.

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 1933-1934 the following courses were offered in extra-mural centers:

First Semester

Barker	Field Studies in Science -	- Mr. Fretz, Miss Wolf
East Aurora	Science Methods in the Elementary Schools	Mrs. Gemmill
Jamestown	American Poetry Since 1890	Dr. Lappin
Lockport	Selected Topics in English and American Literature Since 1880	- Dr. Lappin
Lockport	History of Civilization	Dr. Peterson
Rochester	Organization and Teaching of Industrial Arts Shop Work -	- Mr. Perkins, Mr. Voss
Tonawanda	Elementary School Curriculum (A)	- Mr. Pugsley

Second Semester

Wilson	Principles of Economics -	- - Mr. DeMond
Angola	Psychology of Diagnostic and Remedial Techniques in Reading -	- Dr. Hertzberg
Barker	Field Studies in Science -	- Mr. Fretz, Miss Wolf
Kenmore	Children's Literature -	- - Miss Hirsch
Lockport	English Prose in the 19th Century -	Dr. Lappin
Lockport	Modern European History -	- Dr. Peterson
Tonawanda	Elementary School Curriculum (B)	- Mr. Pugsley

NOTES OF SPECIAL INTEREST

All students are requested to read carefully the following:

1. By State regulation, no refunds can be made unless a course is discontinued.
2. If he wishes to be considered a candidate for a degree every student is expected to secure, either by mail or by personal interview, evaluation of his program from the Registrar in order that he may be sure that work taken will fit his individual need.
3. Students taking extra-mural courses are warned not to expect credit if such courses fall within the last fifteen hours of required residence.
4. Students are urged to examine the course descriptions carefully. Variation from the year indicated in the catalog should not exceed one year and that only with permission.
5. Candidates for degrees are allowed five years in which to complete each year of credit required for the degree. Students earning less than one year of credit in any five-year period shall be subject to any new regulations which may be adopted during that period.
6. Critics who have had one or more students under their supervision during any semester may be admitted free to ONE Extension course only, given in that semester.

THE COLLEGE "CO-OP"

The College Co-Operative Bookstore is located in the Administration building adjoining the Student Center in the basement. All textbooks, fiction and non-fiction, are on sale, as well as supplies such as college jewelry, banners, stationery, fountain pens, art supplies, typewriters, magazines and candy.

The "Co-Op" Cozy Corner contains a circulating library of the latest fiction and non-fiction at a rate of three cents a day. In it is a reference library consisting of books on authors, publishers, other college publications, and many miscellaneous titles not in the College library. These are offered to students and faculty free of charge.

Some books and almost all supplies are sold at a discount, the plan being to share the discount with the students. Special orders are taken for any items not in stock. Special effort is always taken to procure anything and such articles as paper cutter, paper punch, stapler, darning cotton, scissors, ink-well, and pencil sharpeners, are on hand for student's use. The Lost and Found Department is also housed here for the convenience of the students.

The "Co-Op" is open daily from 8:45 A. M. to 4:15 P. M. and on Saturdays from 8:45 A. M. to 12:30 P. M. Students are invited to visit and ask for any information which they desire.



## DESCRIPTION OF COURSES

### ART

#### 14. 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 Special Art students; especially recommended as a Third Year elective for General College students; elective for Home Economic students.

Second semester, Saturdays, 9:00-10:40 A. M. Room 204. Two semester hours credit. Mr. Czurlles.

#### 15. Art 351-E. Principles of Composition and Arrangement.

The study of those principles which aid one in such things as setting the table, arranging the furniture in a room, laying out a garden, putting up an exhibit of pictures or making a creative design; the power of different lines, colors and textures as they come into composition and arrangement. This course is intended to be of interest not only to Art students but Vocational, Home Economics or Grade teachers. Third or Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 205. Two semester hours credit. Mr. Czurlles.

#### 16. Art 171-E. Art in the Activity Program.

The organization and development of art activities for the Elementary grades. Manipulation of the various materials and the application of art principles involved. The problems may include modeling puppets, shadows, masks, small stage sets, paraffine prints, and the different methods of illustrating stories. Problems will be varied to meet the individual needs. This course should be of special interest to Elementary teachers developing progressive methods of teaching. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A. M. Room 209. Two semester hours credit. Mrs. Heyman.

#### 17. Art 472-E. Recreational Crafts.

Craft work as a recreational activity or in preparation for High school crafts. Design is applied to textiles, leather, wood and metal, batik dyeing, leather tooling, wood carving and simple metal works as means of executing designs. Individual interest may be developed and work may be in the four materials named or eliminated as desired. Students will be expected to purchase their own materials for the selected projects. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Craft Shop. Two semester hours credit. Mr. Bradley.

#### 18. Art 471-E. Marionette Making and Puppetry.

The course includes instructions in the modeling, constructing and manipulating of simple, well-built marionettes, suitable for school productions. During the course a set of marionettes will be made, a port-

able stage and scenery built and a puppet play produced. Instruction in hand puppets will be given if desired. Students will be expected to pay for their own materials. (Miss Lyvers is well known for her skill in puppetry. After three years of experience with Tony Sarg, she established her own performance in Boston.) Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A. M. Room 209. Two semester credit. Miss Lyvers.

### EDUCATION

#### Ed. 303-E. Educational Measurements A and B.

Designed to give Elementary teachers sufficient acquaintance with standard tests and scales to enable them to use such instruments in the classrooms and to read modern educational literature intelligently and cooperate in a supervisory program for using tests. Course A will be given for two semester hours credit the first semester, and Course B for two semester hours credit the second semester. "A" will deal with the fundamental principles, the program for using tests and some of the best tests available in various subject matter fields. "B" will deal especially with the use of tests for improving instruction and will emphasize diagnosis and remedial treatments. The laboratory method will be used extensively.

Juniors in all departments are required to have three semester hours credit in Measurement. Course A may be taken alone, if necessary, but course B should be preceded by A or its equivalent. Students taking the four semester hours credit may use the extra credit as elective.

Course "A" First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 222. Two semester hours credit. Mr. Root.

Course "B" Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 222. Two semester hours credit. Mr. Root.

#### 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 process are developed the fundamental principles and goals for education. Considerable time will be devoted to the fundamentals of New York State School Law. Required of all Third Year students.

First semester, Saturdays, 9:00-10:40 A. M. Room 221. Two semester hours credit. Mr. Bruce.

#### 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. Subjects of study: The guidance program; extra-curricular activities; provisions for the exploratory function of 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 students in the Grammar grade curriculum.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 106. Three semester hours credit. (An additional hour will be added at a time to be agreed upon.) Mr. Steel.



14. **Ed. 421-E. Technique of Supervision (Supervision I.)**

This course aims to give the student a working command of the techniques essential to effective class room visitation, lesson analysis, and teacher-supervision conference. The following topics will be treated: The true meaning of supervision; the supervisor's place in the line-staff organization; improvement of the teaching act by visitation, analysis, and conference; selection of subject matter, text books, supplies and tests; organization and uses of teachers meetings, demonstration lessons, and directed observation. Open to principals, supervisors, and teachers of one or more years' experience, and others who are especially qualified. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 107. Two semester hours credit. Mr. Pugsley.

15. **Sd. 423-E. General School Administration.**

Deals with the fundamental principles of school administration. Topics treated: historical beginnings of school administration; national, state, and local responsibility for education; district, township and county units for school administration; nature and functions of boards of education; school services such as health, supervision, research, library, attendance, etc.; selection, tenure, and salary of teachers, and their growth in service; school building programs. Third and Fourth Year elective.

16. First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 107. Two semester hours credit. Mr. Pugsley.

**Ed. 437-E. Rural Curriculum Organization.**

The needs and demands of the rural community, types of daily programs for one and two-teacher schools, the first grade child's day, curriculum adaptations and differentiation in rural one or two-teacher situations, supervision of activities, progressive education practices possible in the one-teacher school, and textbooks and library books best adapted to rural school needs will be considered. The social studies as an integrating factor in rural schools, the school club, school papers, and creative activities in one-teacher schools will also be discussed if possible. Suggestions as to what may be done when needed supplies and equipment are not available will be included. Third and Fourth Year elective.

17. First semester, Saturdays, 9:00-10:40 A. M. Room 112. Two semester hours credit. Miss Wofford.

**Ed. 438-E. Education in a Changing World.**

This course is designed to develop for both urban and rural teachers a background of education against a changing social order. It will cut across many fields, namely, sociology, economics, history and philosophy, in an effort to build up the relation of education to the social trends of both agrarian and industrial orders. Third and Fourth Year elective.

18. Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 112. Two semester hours credit. Miss Wofford.

19. **ENGLISH**

**Eng. 402-E. English Literature. The Victorian Period (A and B) (1832-1890).**

The poetry, fiction, and non-fiction prose of this rapidly expanding era. An analysis of the various forces finding new expressions in

science, religion, industry and social customs. The works of Tennyson, Browning, Dickens, Thackeray, Carlyle, Ruskin, Arnold, Newman, and the other major and minor authors are included. Third and Fourth Year elective.

Course "A" first semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 217. Two semester hours credit. Mr. Thurber.

Course "B" second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 217. Two semester hours credit. Mr. Thurber.

**Eng. 411-E. Modern Continental Literature I.**

A study of the representative plays and dramatic criticism of the principal European writers belonging to recent years, greatly broadening the knowledge of background, and increasing the basis of international understanding. The list of plays will include representative selections from such authors as Andreyev, Brieux, Ibsen, Bjornson, Maeterlinck, Rostand, Strindberg, Tchekhov, Hauptman, Pirandello and Anatole France, thus affording a wide field of choice. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A. M. Room 218. Two semester hours credit. Mr. Hodgkin.

**Eng. 414-E. Contemporary Poetry.**

An introduction to the chief figures and tendencies in twentieth century poetry, English and American. Considerable attention is directed toward critical standards, and, as may be desired, opportunity will be offered for criticism of creative writing on the part of members of the class. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A. M. Room 218. Two semester hours credit. Mr. Hodgkin.

**Eng. 425-E. Literature for Elementary Grades.**

This course attempts to bring the teacher's knowledge up to date regarding the books which children read. It will include a survey of the history and development of childrens' literature; the standards guiding the selection of books and a critical evaluation of recent publications in this field. Special attention will be given such material as poetry, fairy tales, biography, travel, adventure, illustrators and best editions. Designed for Kindergarten-Primary, Intermediate or Rural teachers. Third and Fourth Year elective. Not open for credit to those who have had Juvenile or Children's Literature since 1930.

Second semester, Saturdays, 9:00-10:40 A. M. Room 214. Two semester hours credit. Miss Kempke and Miss Hirsch.

**FOREIGN LANGUAGES**

**German 101-E. Elementary German I.**

Reading of easy German prose; grammar, composition, pronunciation, dictation, elementary oral practice and conversation. Third and Fourth Year elective. No credit will be given for Elementary German 101 until Elementary German 102 has been satisfactorily completed.

First semester, Saturdays, 9:00-10:40 A. M. Room 118. Two semester hours credit. Mr. Grabau.

**German 102-E. Elementary German II.**

Narrative and descriptive prose, grammar review, poetry, considerable practice in written and oral composition. Most of the class work



14. in this course will be conducted in the German language. Third and Fourth Year elective. (Prerequisite German 101-E, or one year of High school German.)

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 116. Two semester hours credit. Mr. Grabau.

**\*For. Lang. 419-E. (General Literature) Greek Literary Backgrounds.**

15. Reading in English translation selections from Greek epic: Homer's Iliad and Odyssey; Greek lyric poetry and Greek Anthology; Greek history: Herodotus, Thucydides and Xenophon; Greek drama: Aeschylus, Sophocles, Euripides, and Aristophanes; Greek Philosophy: Plato and Aristotle; Greek satire, oratory, pastoral, biography, etc. Text: Howe and Harrar; Greek Literature in Translation, with additional reference reading. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 203. Two semester hours credit. Mr. Messner.

**\*For. Lang. 420-E. (General Literature) Latin Literary Backgrounds.**

16. Reading in English translation selections from Latin epic: Virgil's Aeneid; Latin lyric poetry; Catullus and Horace; Latin history; Livy and Tacitus; Latin drama: Plautus, Terence, and Seneca; Latin fiction: Ovid, Petronius, and Apuleius; Latin philosophy: Lucretius and Cicero; Latin satire: Horace, Persius and Juvenal; Latin oratory, pastoral, elegy, letters, biography, etc. Text: Bailey, The Mind of Rome, with additional reference reading. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A. M. Room 203. Two semester hours credit. Mr. Messner.

**ECONOMICS, HISTORY AND SOCIOLOGY**

**Ec. 301-E. Principles of Economics.**

17. 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 and Industrial Arts departments.

First semester, Saturdays, 9:00-10:40 A. M. Room 118. Two semester hours credit. Mr. Peterson.

**Hist. 403-E. Medieval European History.**

18. 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,

19. \*The above courses are designed to provide teachers with a background in the literature of the Ancient World. An attempt will be made to include particularly those writings which have had the greatest influence on the later literature of England and America and may rightly be said to form a part of the literary heritage of all modern peoples. Special attention will be given to the material from ancient sources which has found a place in the present-day program in literature and history for the Intermediate and Upper grades. All the selections will be read in English translation and no knowledge of foreign language is required. These courses may be counted for concentration in English or Foreign Languages or as free electives for Juniors and Seniors.

trade, the revival of learning, and the beginning of the modern state system. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 117. Two semester hours credit. Miss Englebreck.

**Hist. 408-E. History of 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 co-operation and peace. Third and Fourth Year elective.

Second semester, Saturdays, 9:00-10:40 A. M. Room 117. Two semester hours credit. Miss Englebreck.

**Hist. 411-E. Current History A and B.**

Survey of events of the present and immediate past to evolve significant historical trends, eliminating the sensational and inconsequential; discussion of current events in the field of national affairs; foreign affairs, music, art, literature, education, religion, etc., with extended study of such significant topics as the New Deal, the monetary situation, economic programs, changes in the Far East, Germany and Russia; critical study of the press to determine its service in forming historical perspectives or harmful distortion of news. A term paper of some comprehensiveness, with bibliography, is required of every student, covering significant current problems in world affairs, on one of a score of leading personalities who are shaping world affairs. Third and Fourth Year elective.

Both semesters, Saturdays, 9:00-10:40 A. M. Room 118. Two hours credit each semester. Mr. Rockwell.

**Hist. 412-E. Caribbean Interests and Policies of the United States Since 1898.**

A survey of the diplomatic and commercial relations of the United States with the Caribbean states—Cuba, Haiti, the Dominican Republic, Mexico, the Central American States, Panama, Colombia, and Venezuela since the Spanish-American War. Such events as the Platt Amendment, the Panama Canal, the recent revolution in Cuba, and such policies as the Monroe Doctrine, "Dollar Diplomacy," Pan Americanism, commercial and financial penetration, intervention, and the "New Deal" are accented. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A. M. 12:30 P. M. Room 118. Two semester hours credit. Mr. Peterson.

**Soc. 403-E. Social Problems.**

Two types of problems are considered: first, the major difficulties arising as society seeks to increase and distribute human adequacy; second, the more important maladjustments constituting social pathology. Analysis of causes of problems of both types and analysis of directions in which lie greatest promise of relief. Special consideration is given to the significance of these problems for educators. Prerequisite: an introductory course in sociology, or consent of the instructor. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 221. Two semester hours credit. Mr. Neumann.



**Soc. 406-E. Mental Hygiene.**

The concept of mental hygiene as fundamental to a child-centered educational program. Especial attention is given to mental hygiene as a determinant of curriculum, assignment and classroom management; and to symptomology, diagnosis and treatment of maladjusted children. Each student will be required to conduct a self-survey and to make a detailed study of a maladjusted child. Third and Fourth Year elective.

First semester, Fridays, 4:20-6:00 P. M. Room 218. Two semester hours credit. Mr. Clement.

**Soc. 410-E. Social Aspects of Recreation.**

This course will attempt to bring together the more recent research studies dealing both with commercial and non-commercial recreation. The radio, moving pictures, modern literature, dance halls, playgrounds, school recreation programs, and the programs of municipal and social agencies will be analyzed for effectiveness, possibility of improvement, and social influence. Programs for diverse nationality groups, hobby clubs, boys' and girls' clubs, and the like, will be considered, together with the development of materials for use by the teacher. The members of the class will be expected to make brief studies of actual situations. This course is given as a joint offering of the Health Education and Sociology departments. Third and Fourth Year elective.

Second semester, Friday, 4:20-6:00 P. M. Room 105. Two semester hours credit. Mr. Clement, Miss Houston, Miss Salon, and Mr. Coyer.

**KINDERGARTEN-PRIMARY**

**K. P. 401-E. Comparative Education.**

This course is designed to acquaint students with certain of the more significant educational developments in foreign countries. Their aims, school organization, and types of curricula will be contrasted with our own. The trends of education since the World War will be studied in the principal countries of Europe and Asia, insofar as these are related to progressive education in America.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 205. Two semester hours credit. Miss Dana.

**K. P. 406-E. School Assemblies and Festivals.**

This course is designed to meet the needs of Elementary teachers who are required to supervise or assist in school assemblies and festivals. An effort will be made to show how dramatic expression may be an outgrowth of school activities. Emphasis is placed on musical material as the integrating factor in these experiences. The use of instruments of percussion, flagelets, xylophone and psaltery is considered. Practical use of the library in choosing source material is stressed. Attention will be given to the individual problems of the class. Third and Fourth Year elective.

Second semester, Friday, 4:20-6:00 P. M. Room 105. Two semester hours credit. Miss Cumpson.

**K. P. 407-E. Comparative Phonetics.**

An analysis of the sounds of the French language, French songs and dramatic play. Comparison with the sounds of the English. Special

emphasis on practical and remedial work for speech difficulties. Prerequisite: English Phonetics 404-E.

First semester, Fridays, 4:20-6:00 P. M. Room 105. Two semester hours credit. Miss Cumpson.

**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 and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A. M. Room 116. Two semester hours credit. Mr. Phillippi.

**MUSIC**

**Music 401-2-E. The Evolution of Music.**

A course covering the development of music from the mediaeval period to the present. Special attention will be given to the work of the following: Palestrina, Bach, Handel, Hayden, Mozart, Beethoven, Weber, Schumann, Chopin, Liszt, Brahms, Caesar Frank, De Bussy, Ravel, Stravinsky, Schoenberg, etc. Lectures, programs, and reading will comprise the work of the course, and in general the students will be expected to attend as many local concerts during the season as is possible. This course is designed for the non-professional as well as those actively engaged in music and no applied knowledge of music is necessary. Third and Fourth Year elective.

First and second semester, Saturdays, 9:00-10:40 A. M. Room 105. Two semester hours credit each semester. Mr. Hufstader and Mr. Barnette.

**PENMANSHIP**

**Eng. 310-E. Penmanship II.**

Special attention will be given to a mastery of the handwriting process and to study of the psychology and science of handwriting skill. A discussion of trends in handwriting practices, a study of the research and experiments; a review of the history of handwriting and other topics will be treated. Students will prepare instruction programs for both Rural and Elementary schools. Required of all Juniors.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 120. Two semester hours credit. Miss Chapman.

**PSYCHOLOGY**

**Psy. 303-E. Adolescent Psychology.**

An intimate study of the adolescent in our modern times through comparative studies of the primitive adolescent, the adolescent of fiction, the adolescent of the technical psychologists, presenting the mooted



14.

question of growth, the adolescent in our midst; (a brother, sister, nephew, niece, etc.) . . . out of which ought to come a better meaning of adolescence, its nature and needs; and the modern practices of meeting such needs. Required of Third Year Grammar grade students.

Second semester, Saturdays, 9:00-10:40 A. M. Room 221. Two semester hours credit. Mr. Bruce.

**Psy. 402-E. The Psychology of Elementary School Subjects.**

This course deals with an analysis of the Elementary school subjects with respect to procedures and conditions of learning; the abilities involved in each of the school subjects as a basis for discovering what needs to be learned, what is adapted to the child's learning capacity, and what kind of assistance the individual child is in most need of; influence upon learning of various educational, psychological, and physiological factors; the methods and values of utilizing the most important laws of learning; the results of experimental investigation; individual differences in learning the school subjects and their significance. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 A. M. Room 220. Two semester hours credit. Mr. Hertzberg.

15.

**Psy. 405-E. Diagnostic and Remedial Techniques in Reading Instruction.**

The course will first of all sketch briefly the historical background of varied emphases on content and method of reading instruction during different periods to date; consider the factors involved in the most effective present methods of reading instruction; analyze the physiological, and educational causes of difficulties in reading; procedures involved in surveying a particular class or school by means of reading and intelligence tests; procedures involved in diagnosing individual cases of reading disability by means of a team of individual diagnostic tests; setting up a program of needed remedial instruction to overcome various difficulties. Practical work will parallel the theoretical aspects of the course and is adapted to the work of teachers from grades one through eight. Third and Fourth elective.

Second semester, Saturdays, 9:00-10:40 A. M. Room 220. Two semester hours credit. Mr. Hertzberg.

16.

17.

**RURAL EDUCATION**

(For course descriptions please turn to Education.)

18.

**SCIENCE**

**Sc. 305-E. Physical Science for the Grade Teacher.**

A survey of the physical sciences, embracing chemistry and physics; proceeding toward that organization of practical situations, activities and phenomena, which are recognized as dealing directly with the mechanisms and appliances of every day life, and the teaching of these in the grades. A great many demonstrations suitable for grade teaching will parallel the discussions. Students will be encouraged to plan and give some of these demonstrations. It is hoped that the course will aid the teacher with the State science syllabus. Third and Fourth Year elective.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 220. Two semester hours credit. Mr. Vail.

19.

**Sc. 340-E. Child Nutrition.**

Nutritional needs of children of all ages, the importance of proper feeding to the health of the child. Especial emphasis upon food selection for malnourished and nervous children, dietary studies with reference to Elementary and High school boys and girls.

First semester, Saturdays, 9:00-10:40 A. M. Room V-203. Two semester hours credit. Miss Dupre.

**Sc. 401-E. Genetics.**

A study of the facts and current theories concerning the laws of inheritance. Reproduction, the mechanisms of inheritance, Mendelism, causes of variations, development of species, heredity versus environment, and eugenics, are some of the topics discussed. The application of these topics to psychology, sociology, and education is kept constantly before the group. Illustrative material is taken from the immediate environment so far as possible. Third and Fourth Year elective.

First semester, Saturdays, 9:00-10:40 A. M. Room 116. Two semester hours credit. Mr. Fretz.

**Sc. 412-E. Elementary School Methods in Science.**

A survey of some research studies, and outstanding programs of science for the Elementary schools, together with the educational philosophy underlying the new science movement.

Special attention is given to the new syllabus in Elementary science for the Elementary schools. The materials of this syllabus will form the main part of the course. Conventional class room procedure, methods for conducting field trips, and activities which may aid in carrying out the proposed program, form the basis for discussion and study.

A reasonable familiarity with the literature which is available for the teacher of such science work will be acquired by the end of the course. Third and Fourth Year elective.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room 106. Two semester hours credit. Mrs. Gemmill.



VOCATIONAL AND INDUSTRIAL COURSES

**Voc. 401-E. Seminar in Industrial Education.**

14. In this course a critical evaluation will be made of present philosophy in Industrial Arts or in Vocational Education in Junior and Senior High schools. Individual work will consist of special problems in organization, studies of administrative practice, Vocational schools as apprentice training institutions, Vocational schools and readjustment, and similar problems with which educators are faced. Individual reports which will contribute to the better understanding of Vocational Education or Industrial Arts problems are expected from each student. (In the event that more than fifteen students register for this course, two sections, one in Vocational Education and another in Industrial Arts, will be organized.)

15. First and second semesters, Saturdays, 10:50 A. M.-12:30 P. M. Room V-104. Two semester hours credit each semester. Mr. Perkins and Mr. Quackenbush.

**Voc. 403-E. Problems of Industrial Arts Education.**

16. A study of Industrial Arts from the standpoint of the prospective supervisor. Consideration of the state outlines of instruction and problems incidental to, organization, supervision and administration of Industrial Arts curricula in public schools.

First semester, Fridays, 4:20-6:00 P. M. Room V-104. Two semester hours credit. Mr. Perkins.

**Voc. 404-E. Supervision.**

17. Topics as follows will be treated: The true meaning of supervision; the supervisor's place in the line-staff organization; improvement of the teaching act by visitation, analysis, and conference; selection of subject matter, text books, supplies and tests; organization and uses of teachers' meeting, demonstration lessons, and directed observation.

First semester, Saturdays, 9:00-10:40 A. M. Room V-104. Two semester hours credit. Mr. Perkins.

**Voc. 405-E. Organization and Teaching of Industrial Arts in High Schools and Part-Time Schools.**

18. Study of the following problems: aims of Industrial Arts instruction; standards for selecting and arranging instructional material; the Industrial Arts; planning courses; Industrial Arts equipment; shop management.

First semester, Saturdays, 10:50 A. M.-12:30 P. M. Room V-102. Two semester hours credit. Mr. Morrice.

**Voc. 408-E. Study of Occupations.**

19. This is a basic course for counselors. It deals with occupational opportunity with particular emphasis upon their accessibility to pupils of secondary schools; a study of occupational training opportunities; the sources and nature of materials for the class in occupations; the local study of occupational opportunity; industrial visits.

Second semester, Saturdays, 9:00-10:40 A. M. Room V-104. Two semester hours credit. Mr. Quackenbush.

**Voc. 407-E. Problems of Part-Time Education.**

The function of the Part-Time school; the social, economic and educational status of the junior worker; the psychology of the working youth; adaptation of the training program to local training needs; follow-up, visitation and coordination of activities; organization and administration, all form a part of this course.

Second semester, Fridays, 4:20-6:00 P. M. Room V-102. Two semester hours credit. Mr. Regan.

**Voc. 408-E. Organization and Teaching of Trade Shopwork.**

A study of the following: industrial work for vocational and prevocational purposes; industrial work for extension and improvement purposes; individual instruction; project work and production work; unit instruction sheets and the teaching of shop work; organization of units of instruction.

Second semester, Saturdays, 10:50 A. M.-12:30 P. M. Room V-102. Two semester hours credit. Mr. Morrice.

**Voc. 409-E. Problems in Technical Education.**

The course will deal with problems related to special methods of technical instruction, applied to teaching laboratory work, technical theory, design, etc.; problems of selecting and grading of students, making of lesson plans and writing of instruction sheets. The State Syllabus in technical subjects and proposals for a syllabus in science and mathematics will be considered. A term paper will be required of each student.

Second semester, Saturdays, 9:00-10:40 A. M. Room V-102. Two semester hours credit. Mr. Small.

**Voc. 410-E. Public Speaking.**

This course provides opportunity for study of the underlying essentials of oral composition and expression. Students will have opportunity to present before the class shop talks, blackboard talks with diagrams, and other types of a vocational nature, both of the prepared and extemporaneous types.

Second semester, Fridays, 4:20-6:00 P. M. Room V-104. Two semester hours credit. Mr. Grabau.

**Voc. 411-E. Visual Aids in Industrial Teaching.**

This course covers the underlying principles of visual aids and their application to the classroom, and includes: development of visual aids; types and principles involved; methods and presentation of lessons; kinds, use and operation of lenses, stereopticon, stereoscope, glass and film slides; mechanism of motion picture machines, opaque projectors, screens and dark room; and value of projects, display boards, advertising circulars, shop visits and excursions.

First semester, Saturdays, 9:00-10:40 A. M. Room V-102. Two semester hours credit. Mr. Weber.