

Colorado State College  
of Education at Greeley

BULLETIN

1949

YEARBOOK

1950

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Cataloger and Reference Assistant.



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A foundation course open to anyone who wishes to learn to draw. Visual training, technical procedures, the essentials of perspective. Media: chiefly pencil, charcoal and chalk.
2. COMPOSITION. Four hours credit.  
The technical problems of pictorial composition involving the organization of all the visual elements. The course is recommended to precede the courses in painting.
3. DRAWING FOR ELEMENTARY SCHOOL TEACHERS. Four hours credit.  
The fundamentals of beginning drawing specifically applied to the needs and methods of elementary school teachers.
4. FIGURE CONSTRUCTION. Four hours credit.  
The study of the human figure, its essential anatomy and construction. The figure as an important motif in design and composition. Study from life.
6. INTRODUCTION TO ART EDUCATION. Four hours credit.  
Prospective teachers are introduced to the objectives, subject-matter content and problems of art education so that they may work more purposefully toward professional preparation.
8. MODELING AND CARVING. Two or four hours credit.  
Creative design in the field of small sculpture. Modeling for various techniques. Sculpture with and without armature, plaster casts, carving in plaster, stone and wood. This course may be continued for four hours as F.A. 8a.
- 8a. See above.
11. INTRODUCTION TO DESIGN. Four hours credit.  
A study of the basic elements of design and the techniques of organization. Creative projects in abstract and applied fields.
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The basic letter forms and useful variants. A study of layout and design. The course includes work in manuscript, showcard and poster.
17. POTTERY. Two or four hours credit.  
Creative experience in the design and construction of pottery. Various methods are studied: glazing, casting, firing.
20. ART APPRECIATION. Four hours credit.  
An exploration of the patterns into which art fits into our everyday life. The problems of human needs, the problems of organization, and the problems of materials and processes.
- 103a. INTRODUCTION TO WATERCOLOR PAINTING. Four hours credit.  
A beginning course in watercolor painting.
- 103b. INTRODUCTION TO OIL PAINTING. Four hours credit.  
A beginning course in oil painting.
105. COLOR THEORY. Four hours credit.  
A study of color relationships and organizational principles pertinent to the color unit.
108. CLAY MODELING. Four hours credit.  
The theory and techniques of modeling and casting.
110. COMMERCIAL DESIGN AND ILLUSTRATION. Four hours credit.  
Procedures and techniques of modern commercial art.
114. DESIGN IN TEXTILES. Four hours credit.  
Experience in design and methods of decorating textiles: block print, stencil, batik, free brush and silk screen work.

#### Speech

65. First Course in Scene Design. Four hours credit.  
An introductory course in the fundamentals of scene design and stagecraft. The study includes the basic principles of design and color and their application to scenic design.
116. CRAFT PROCESSES AND DESIGN. Two or four hours credit.  
Creative experiences in a variety of crafts which apply to the secondary school. Units include simple woodcraft, metal-craft, leather work and stenciling and silk screening.



- 116g. WEAVING. Four hours credit.  
A study of the fundamental processes of hand loom weaving. experience in warping, threading and weaving on two- and four-harness looms.
117. POTTERY. Four hours credit.  
The principles of design applied to mass, volume, and decoration. Experience in the coil, slab, potter's wheel, casting, glazing and firing. Beginning course; primarily for Fine Arts majors.
118. PUPPETRY. Two hours credit.  
Design and construction of puppets and marionettes adaptable to the interest and abilities of all grade levels. Practical experience in puppet play production.
119. POSTER AND DISPLAY. Four hours credit.  
Advanced poster techniques and organization, including free brush, stencil and airbrush. Principles of display applied to organization of exhibit material and modern window setting.
123. ART IN THE SECONDARY SCHOOL. Four hours credit.  
Methods and problems of teaching art on the secondary level. Course organization, procedures, and the relation of the art program to the school program.
124. ART IN THE ELEMENTARY SCHOOL. Four hours credit.  
Methods of teaching art at elementary school levels. Organization of work units and practical creative experience in a variety of media.
127. ART CRAFTS IN THE ELEMENTARY SCHOOLS. Four hours credit.  
Practical creative experience in a variety of crafts suitable for the elementary school classroom. Includes clay, weaving, paper mache, toy making, puppets and cardboard and paper construction. Prerequisite for majors F.A. 124.
129. FASHION DRAWING. Four hours credit.  
A course in the techniques of costume and fashion illustration. Work in various media pertinent to the processes of reproduction used in newspaper and magazine advertising.
132. CARTOON AND CARICATURE. Two hours credit.  
The cartoon figure in commercial art. Principles, techniques and construction.



135. LIFE CLASS. Two hours credit each quarter.  
a, Opportunity to draw from the human figure.  
b,  
c.
136. TECHNIQUES AND MATERIALS. Four hours credit.  
The use of wash, oil, carbon pencil, watercolor, gouache, pen and ink and other media in relation to the processes of reproduction in magazine, newspaper and book illustration.
140. PROBLEMS IN COMMERCIAL DESIGN. Four hours credit.  
A general study of the forms of commercial design and illustration with specific emphasis upon merchandising and advertising media.
202. ADVANCED COMPOSITION. Four hours credit.  
Advanced problems in pictorial and graphic composition.
203. WATERCOLOR PAINTING. Four hours credit.  
This course seeks to develop individual expression in creative painting and technical mastery of the medium.
204. FIGURE COMPOSITION. Four hours credit.  
Prerequisites F.A. 2 and 4, or the equivalent. An advanced study of the human figure in composition.
207. VISUAL AIDS IN ART EDUCATION. Four hours credit.  
The course is organized to present methods, techniques, materials, and sources of visual aids that will enrich teaching in the secondary school. This will include display techniques, organization and evaluation of such materials as an asset to secondary art education.
209. PRINTMAKING. Four hours credit.  
A study of print processes, etching, dry-point, lithograph, woodcut, linoleum block, and monoprint. Experience is offered in making prints and the adaptation of print making to the secondary school level.
212. PROBLEMS IN DESIGN. Four hours credit.  
A study of the basic elements of design and the techniques of organization. Creative projects in abstract and applied fields.
- 216g. ADVANCED WEAVING. Four hours credit.  
A more extensive study of the problems and processes of



hand loom weaving. Experience in a variety of weaving techniques, pattern drafting and making warps with emphasis on individual creative enterprise.

220. OIL PAINTING. Four hours credit.  
This course seeks to develop individual expression in creative painting, and technical mastery of the medium. May be continued for four hours additional credit as 220a. Prerequisites F.A. 1, 2 and 3.

220a. See above.

221a. ART HISTORY I. Four hours credit.  
A study of the development of art from prehistoric time to and including the Gothic Age.

221b. ART HISTORY II. Four hours credit.  
A study of the development of art from the Renaissance to the present day.

225. FIGURE PAINTING. Four hours credit.  
Painting in oils from the human figure.

233 INDIVIDUAL PROBLEMS IN FINE ARTS. Four hours credit.  
a, Open to advanced students who may pursue creative work  
b, according to their individual needs.  
c.

#### Speech

221. Advanced Scene Design. Four hours credit.  
A study of the techniques and problems of scenic design. The esthetic, as well as the practical problems of the designer are presented. Settings, properties, costuming, and lighting are practiced within the theater laboratory.

264. INDUSTRIAL ARTS DESIGN. Four hours credit.  
Principles of design applied to the various areas of industrial arts.

\*278. ORGANIZATION AND ADMINISTRATION OF THE ARTS PROGRAM. Four hours credit. (Education)  
A course primarily for school administrators, which presents the philosophy, problems of organization, methods and the like of a general arts program.





300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and research in the arts. Criteria for the selection of graduate work in fine arts for subsequent quarters. Study of research techniques. Required of all graduate majors in fine arts. Taught jointly with home economics and industrial arts majors.
305. ADVANCED COLOR THEORY. Four hours credit.  
An intensive study of color and its application as a design element.
308. PLASTIC DESIGN. Two or four hours credit.  
The theory and techniques of sculpture, with a study of the processes. Creative in a choice of plastic media.
309. CREATIVE ACTIVITIES IN THE ELEMENTARY SCHOOL. Four hours credit.  
Research and creative experience in the various art activities of the elementary school art education program.
313. GRAPHIC LAYOUT AND DESIGN. Four hours credit.  
A study of the development of letter forms, and the principles of graphic design. Advanced problems in lettering and composition.
316. CRAFT PROCESSES AND DESIGN FOR SECONDARY SCHOOLS. Four hours credit.  
Research and creative expression in design and crafts as adapted to the secondary school levels. Opportunity for individual creative work.
317. CERAMICS. Four hours credit.  
Historical research in design and processes of ceramics ware. Individual creative and technical competence stressed.
322. INDIVIDUAL STUDIES IN ART EDUCATION. Two to eight hours credit.  
Provides for independent study in fields of specialization not provided for in formal classes. Qualified students are expected to spend a minimum of twenty-five clock hours for each quarter hour of college credit.
328. THE CURRICULUM IN ART EDUCATION. Four hours credit.  
A review of the best literature on the content and organization of the curriculum in general education, and the



professional literature in art education. Analysis and evaluation of courses of study, the building of curricula and significant units for teaching art.

399. THESIS. Eight hours credit.

#### Industrial Arts

34. INTRODUCTION TO INDUSTRIAL ARTS. Two hours credit. Orientation to problems of teaching, and teacher preparation in industrial arts. Required of all industrial arts majors fall quarter of first year in residence.
- 46a. BOOKBINDING. Two hours credit. Basic processes using five different types of sewing including hand binding with limited equipment.
- 46b. BOOKBINDING. Two hours credit. Basic processes using five different types of sewing including bookcrafts.
- 50a. BENCH WOODWORKING. Two or four hours credit. Students develop skill in the use of hand woodworking tools through the construction of practical projects. A study of the related information about tools and materials is included in the course. Elementary wood finishing is done on the projects constructed.
- 50b. ELEMENTARY MACHINE WOODWORKING. Two or four hours credit. Advanced hand tool construction and elementary machine operation. Appropriate related information and woodfinishing are included in the course.
- 50c. ADVANCED MACHINE WOODWORKING. Two or four hours credit. Emphasis in this course is placed upon the maximum use of woodworking machines in the construction of furniture and other objects of wood. Advanced finishing techniques and elementary upholstery are included in the course.
54. WORKSHOP IN INDUSTRIAL ARTS FOR ELEMENTARY TEACHERS. Two a, or four hours credit.
- b. Development of basic skills through elementary work in wood, metal and other common materials. Adaptation of work to the classroom or small shop. Creative work with limited equipment.



- 55a. INTRODUCTION TO GENERAL METALWORK. Two or four hours credit.  
This is the first in a sequence of courses in metalwork and a prerequisite to I.A. 55w, 155, 256. This course will contain basic shop procedures, objectives, relationship to other metalwork courses and will cover work in bench metal, sheet metal and forging.
- 55w. MACHINE LATHE OPERATION. Two or four hours credit.  
This course will be concerned with the use of the machine lathe, surface grinder, tool post grinder, general bench metal work and precision measuring instruments.
- 55x. ART METALWORK AND METAL SPINNING. Two or four hours credit.  
Art metal work and spinning will include demonstrations, pertinent related material and student work in the following processes: soft and hard soldering, planishing, forming, piercing, depressing, spinning, raising and others.
- 61a. PRINCIPLES OF DRAFTING. Two or four hours credit.  
Orthographic projection and working drawings.
- 61b. PRINCIPLES OF DRAFTING. Two or four hours credit.  
Offers all kinds of mechanical pictorial drawing.
- 137a. WOODFINISHING AND UPHOLSTERY. Two or four hours credit.  
Techniques and processes in woodfinishing and upholstery. Study of materials.
- 137b. FURNITURE MAINTENANCE AND REPAIR. Two or four hours credit.  
Problems dealing with the salvage and repair of school and home furniture. Practical work on reclaiming of college furniture.
- 141 ELEMENTS OF PRINTING. Two or four hours credit.  
a, Experience with the fundamental operations used in a school  
b, graphic arts shop; information as to tools, machines and  
c. materials; the place of printing in community life, and the relationship between printing and other subjects of the curriculum.
- 146c. ADVANCED BOOKBINDING. Four hours credit.  
Advanced binding problems including different kinds of bindings.



147. PROBLEMS IN LEATHERWORK. Four hours credit.  
Development of basic techniques in leatherwork. Tool designing and tool making for camps and school shops. Study of tanning and relation of work to other areas.
148. GENERAL PLASTICS. Two or four hours credit.  
An opportunity to become proficient in working with the many kinds of plastics for either a unit or general shop.
149. BOOKBINDING FOR SCHOOL LIBRARIANS. Four hours credit.  
Opportunity to develop skills in library hand binding with emphasis on repairing. A study of handmade equipment, and economical ways of binding books.
- 150d. ADVANCED FURNITURE AND CABINET MAKING. Two or four hours credit.  
Students design and construct period and modern pieces of furniture. Study of production methods in industry. Advanced upholstery and wood finishing techniques.
- 151a. EQUIPMENT AND MAINTENANCE PROBLEMS (Woodworking). Four hours credit.  
Up-keep and repair of woodworking tools and machines. Selection and purchase of woodworking tools, machines and supplies for a school shop.
- 151b. EQUIPMENT AND MAINTENANCE PROBLEMS (Metalwork). Four hours credit.  
Up-keep and repair of metalwork tools and machines. Selection and purchase of metalwork tools, machines and supplies for a school shop.
- 153 WOODTURNING. Two or four hours credit.  
a, Development of basic skills in woodturning and the use of  
b. the lathe to supplement bench and machine woodwork.
- 155y. OXY-ACETYLENE AND ELECTRIC WELDING. Two or four hours credit.  
This course will start with elementary work in gas and electric welding including work in fusion welding, bronze welding, hand cutting and work with cast iron with the latter part of the course being used for the construction of welded projects.
- 155z. JEWELRY AND LAPIDARY. Two or four hours credit.  
This course will include elementary work in flat silver,





ring making, cutting, polishing and setting of stones such as petrified wood, agate, jasper and others, and ring casting.

- 161c. PRINCIPLES OF DRAFTING. Four hours credit.  
Elementary architectural drawing.
- 161d. PRINCIPLES OF DRAFTING. Four hours credit.  
Machine drawing and sheet metal pattern drafting.
163. GENERAL SHOP ELECTRICITY. Two or four hours credit.  
Elementary principles of electricity that are applicable to projects on the junior high school level, and an opportunity to construct such projects.
233. MATERIALS OF INDUSTRY. Four hours credit.  
A study of the origin of the materials and processes involved in the manufacture of such materials as used in industrial arts classes. Methods of presenting this related material are presented.
234. HISTORY OF INDUSTRIAL ARTS. Four hours credit.  
A study of the movements and leaders responsible for theories and philosophies of industrial arts. Course is divided into three parts: up to 1870, 1870 to 1917, and 1917 to now.
235. PHILOSOPHY OF INDUSTRIAL ARTS. Four hours credit.  
A study of the conflicts in the teaching of industrial arts. Relationship of philosophy to actual practice.
236. PRINCIPLES OF GENERAL SHOP ORGANIZATION. Four hours credit.  
Purposes and philosophy underlying the organization and administration of the general shop. Teaching success factors are studied.
238. CURRENT THEORY AND PRACTICE IN THE ARTS. Four hours credit.  
Current controversial issues which confront the teacher of the arts. Problems of standardization, laboratory organization, administrative and community attitudes, and correlation with other departments.
239. ORGANIZATION AND ADMINISTRATION OF INDUSTRIAL EDUCATION. Four hours credit.  
A study of the purposes and programs of industrial education



in secondary schools, including industrial arts and vocational - industrial education. Special emphasis upon the program of vocational - industrial education as provided through the Smith-Hughes Act, the George-Dean Act, and other places of federal legislation. No prerequisites.

- 240a. COURSE ORGANIZATION IN INDUSTRIAL ARTS. Four hours credit. Criteria underlying the organization of a course of study in industrial arts. Techniques by which courses are developed or revised. Each student prepares a course of study in the field of his interest.
- 240b. DEVELOPMENT OF INSTRUCTIONAL AIDS IN INDUSTRIAL ARTS. Four hours credit. Visual aids, instruction sheets, charts, graphs, and other instructional devices are planned and developed. The student will select, plan and construct, where appropriate, various aids.
241. THE PLACE OF THE ARTS IN GENERAL EDUCATION. Four hours credit. Incorrect concepts of the different areas of the arts are studied. Philosophies, objectives and current methods of teaching the arts are presented.
242. ADVANCED THEORY AND PRACTICE OF TYPOGRAPHIC DESIGN. Two  
a, or four hours credit.  
b, Treats printing as a great art and deals with the origin,  
c. development and application of the principles of design in the field of typography.
247. ADVANCED CONSTRUCTION PROBLEMS. Four hours credit. A course for advanced woodworking students with emphasis on application of steel square to construction problems.
248. TEACHING TECHNIQUES AND COURSE ORGANIZATION IN BOOKBINDING. Four hours credit. Methods of relating the bindary to the library and the classroom. Organization of binding as a general shop unit. Development of courses to meet individual needs.
254. THE ARTS IN RECREATION. Four hours credit. The organizing of various types of craft work for a recreational program. Problems of finance, opportunity to develop proficiency.



255. THE USE OF NEW MATERIALS. Four hours credit.  
A study of the newer materials of industry and methods of adapting them for use on both junior and senior high school levels.
256. ADVANCED ART METAL. Two or four hours credit.  
This will be an advanced course in art metal and metal spinning including work in extreme raising, repousse, chasing, use of sectional chucks and others.
257. ADVANCED GENERAL METAL WORK. Four hours credit.  
This shall serve as an advanced course in bench metal work, machine lathe, welding, jewelry and lapidary. This will include an elementary unit in foundry work in the casting of aluminum.
264. INDUSTRIAL ARTS DESIGN. Four hours credit.
300. INTRODUCTION TO GRADUATE STUDY IN INDUSTRIAL ARTS. Four hours credit.  
A study of the literature and research in the arts. Criteria for the selection of graduate work in industrial arts for subsequent quarters. Study of research techniques. Required of all graduate majors in industrial arts. Taught jointly with home economics and fine arts majors.
301. SEMINAR IN INDUSTRIAL ARTS. Four hours credit.  
An opportunity for students doing independent research to report and receive criticism.
302. A CRITIQUE OF MODERN INDUSTRIAL ARTS. Four hours credit.  
A course in which several instructors participate. Men of divergent points of view present and defend ideas of common interest to today's industrial arts teacher.
322. INDIVIDUAL STUDIES IN INDUSTRIAL ARTS. Eight hours credit.
333. INDIVIDUAL PROBLEMS IN INDUSTRIAL ARTS. Four hours credit.  
a, Open to selected students for special work not offered in  
b, regular classes.  
c.
343. TEACHING TECHNIQUES AND COURSE ORGANIZATION IN THE GRAPHIC ARTS. Four hours credit.  
The techniques and objectives of the graphic arts; their historical development and place in our cultural background;



art in printing; shop planning, equipment and management; course content and organization.

344. PROBLEMS OF DESIGN IN THE GRAPHIC ARTS. Four hours credit. Course is centered around graphic arts problems found in individual projects, with emphasis upon methods of teaching students to recognize, appreciate and use the principles of design on the printed page.
351. TEACHING TECHNIQUES AND COURSE ORGANIZATION IN WOODWORKING. Four hours credit. Critical study of current practices. A "refresher" course for teachers who have been away from the field. Includes techniques in both bench and machine work.
352. PROBLEMS IN WOODWORKING. Four hours credit. A study of the problems the specialized teacher of wood-working in secondary schools must meet.
359. TEACHING TECHNIQUES AND COURSE ORGANIZATION IN METALS. Four hours credit. This course shall include objectives, course content, shop organization, evaluation and methods of teaching the various phases of metal work.
360. PROBLEMS OF THE METAL SHOP. Four hours credit. Advanced course in the organization of both unit and general metal shops and shop practice handled on the seminar basis, giving the graduate students an opportunity to work on problems they have confronted in the field.
362. PROBLEMS IN DRAFTING AND PLANNING. Four hours credit.  
a. Objectives, course content, and teaching procedures of all  
b. units in drafting. Courses are set up in terms of individual needs.
368. ADVANCED ARCHITECTURAL DRAFTING. Four hours credit.  
a. Advanced home and school building planning. Laws, standards,  
b. and computation of cost. Open to school administrators as well as industrial arts teachers.
399. THESIS. Eight hours credit.





## DIVISION OF THE ARTS

### Home Economics

70. CLOTHES AND PERSONALITY. Four hours credit.  
This course is planned to develop the student's interest in personal appearance. Considerable time is given to the study of line and color as expressed in the related arts. Personal good grooming is stressed.
71. TEXTILES. Four hours credit.  
Study of the nature and limitations of commonly used fabrics; the design of weaves and their wearing qualities. Testing of both well-known and recently developed fabrics in the textile world.
72. FUNDAMENTALS OF CLOTHING CONSTRUCTION. Four hours credit.  
Instruction in the care and operation of sewing machines and their attachments. A commercial pattern is used in construction of a dress and in making a child's garment. The student is encouraged to remodel a garment. Four hours laboratory per week required.
74. ELEMENTARY NUTRITION. Four hours credit.  
To enable students to select food suited to their needs in the light of the newer knowledge of nutrition and individual physical fitness.
75. ELEMENTARY DIETETICS. Four hours credit.  
Dietaries for families of various income levels are planned. Emphasis is given to recent developments in human nutrition. The diet of the young child both in group feeding situations and in relation to the diet of the family is studied. Ten hours laboratory experience arranged per quarter.
77. COOKERY AND TABLE SERVICE. Four hours credit.  
A study of the fundamental processes of cookery. Laboratory work consists of planning, preparing, and serving meals. The breakfast, lunch, and buffet supper are emphasized. This course open to majors only except by special permission. Three single and two double periods per week.
78. FOOD PREPARATION AND SERVICE. Four hours credit.  
Emphasis is given to principles of cooking involved in more difficult food preparation. Laboratory work centers around the planning, preparing, and serving of the family dinner and more elaborate and formal types of meals. This course



is open only to majors except by special permission. Three single and two double periods per week.

94. ELEMENTARY COOKERY AND FOOD SERVICE. Four hours credit. This is a non-technical course in food preparation planned for men or women students desiring more knowledge of the fundamental processes of cookery and food marketing. Simple meals and party refreshments will be planned, prepared and served. Three single and two double periods weekly.
173. DRESS DESIGN AND CONSTRUCTION. Four hours credit. To develop the ability to work with fabrics and create attractive costumes. The student will select and make an appropriate dress for afternoon or street wear. Four hours laboratory required.
180. FAMILY RELATIONSHIPS. Two hours credit. The relationship of the individual to his immediate human contacts. The establishment of the successful American home.
181. CHILD CARE AND TRAINING. Four hours credit. A study of prenatal development and the care and training of the baby from birth to two years of age.
183. HOME NURSING. Four hours credit. (Health) The chief purpose of this course is to develop the ability to give a simple type of nursing care to a member of the family who is ill, injured, or helpless because of age or infirmity. The principles involved in nursing procedures are stressed, the procedures demonstrated and the students are required to practice on each other.
187. INSTITUTION MANAGEMENT. Four hours credit. The organization and management of various types of institutions. Specific emphasis is given to problems of personnel, the physical plant and efficient work schedules.
188. COSTUME DESIGN. Four hours credit. This is a study of the development of the fashions of the day traced through a historic background. Much work is given in sketching the fashion figure before taking up the creative problems of designing and making a costume.
- 191a. HOME MANAGEMENT THEORY. Four hours credit. A study of techniques of efficient homemaking. Emphasis is given to economical management in terms of time, energy and money.



- 191b. HOME MANAGEMENT RESIDENCE. Two hours credit.  
Students live in the Margaret Roudebush Home Management House on the campus for a period of six weeks. There they put into practice desirable standards of home living.
192. METHODS IN THE TEACHING OF HOME MAKING. Four hours credit.  
This course is planned for home economics minors. A study of the philosophy of homemaking education, organization of the curriculum, methods and materials. Includes observation.
198. MEAL PLANNING AND SERVICE. Four hours credit.  
This course provides more practice in individual and group work in planning, preparing and serving meals. Opportunities are planned to show how to solve some of the problems of the hostess in serving food on various occasions in the modern American home. Two single and two double periods weekly.
199. PRESERVATION OF FOOD. Two hours credit.  
Discussions and laboratory practice in home methods of food preservation by the water bath, pressure cooker, drying and quick freeze techniques. Observations of commercial methods of food preservation. One single and one double period per week.

#### Education

260. Nursery School Education. Four hours credit.  
A course presenting the theories, research and best practices for the education of children from the age of two years until their entrance to kindergarten.
275. HOME AND ITS DECORATION. Four hours credit.  
A study of suitable furnishings for homes of various types. Advanced students prepare illustrative material with extensive research on types of architecture, furniture and fabrics of historical periods.
276. ADVANCED DIETETICS. Four hours credit.  
Application of the newer knowledge of nutrition to the planning of individual and group dietaries. The diet of children is studied. Recent research in human nutrition is evaluated. Animal feeding experiments developed as individual research problems. Ten hours laboratory during the quarter arranged.
277. NUTRITION AND THE SCHOOL LUNCH PROGRAM. Four hours credit.  
A study of the school lunch program: its organization and management; its effect on the food habits and nutritional



state of the elementary and secondary school pupil and its place as an integral part of the total school program.

279. PRESERVATION OF FOOD. Two hours credit.  
Laboratory practice in home methods of food preservation. Discussions and observation of commercial canning methods and preservation of food by the quick freeze and dehydration processes.
282. NUTRITION IN DISEASE. Four hours credit.  
A study of the fundamental principles involved in the treatment of disease through diet. Ten hours laboratory during the quarter required.
284. DEMONSTRATION TECHNIQUES. Two hours credit.  
Practice in the techniques of demonstrating before audiences. All phases of the home economics field will be used to furnish types of demonstrations. Two single and two double periods per week.
285. EXPERIMENTAL COOKERY. Four hours credit.  
An opportunity to determine the effects of temperature, time and different manipulations on foods. Commercial products are tested and compared with home methods of preparation.
286. INSTITUTION COOKERY. Four hours credit.  
Application of cookery to large quantity preparation. Meal planning for various types of food service. Practice in using labor-saving devices of modern institutional kitchens. Techniques of buying food in large quantity. The facilities of the student dining halls and the school lunch program are available for laboratory assignment. Three single periods per week. Twenty hours laboratory per quarter.
289. INSTITUTION ECONOMICS. Two hours credit.  
A study of the records necessary for the efficient administration of various types of institutions. Simple bookkeeping mechanics are developed and elementary principles of food cost accounting are studied. The buying of equipment for various types of institutions.
290. HOUSEHOLD ECONOMICS. Four hours credit.  
Discussion of homemaking as a business. Consumer problems are evaluated. Criteria for purchasing household equipment and supplies determined. Physical principles basic to understanding the efficient use of household equipment studied. Opportunities given for individual applications.





293. ADULT EDUCATION IN HOME MAKING. Two hours credit.  
A study of the philosophy of adult education, procedures used in promoting and organizing adult programs, and methods used in teaching adults. Includes observation and experience in working with adults.
295. TAILORING. Four hours credit.  
The making of tailored suits and coats. A remodeling problem may also be used. Special emphasis is placed on tailored finishings. Four hours laboratory per week required.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and research in the arts. Criteria for the selection of graduate work in home economics for subsequent quarters. Study of research techniques. Required of all graduate majors in home economics. Taught jointly with fine arts and industrial arts majors.
301. CHILD WELFARE. Four hours credit.  
A study of the effects upon the child of heredity and the environment in the home and in society.
302. TEACHING PROBLEMS IN HOME MAKING. Four hours credit.  
Modern methods and trends in homemaking education. Problems of the individual teacher are studied and assistance is given the student in working out practical solutions. Common problems are considered by the entire group.
303. TEACHING HOME MAKING AND RELATED SUBJECTS. Four hours credit.  
A study of the philosophy and development of homemaking education. Vocational homemaking programs in reimbursed schools, home experiences, homemaking clubs are emphasized. Related subjects of art and science in homemaking are stressed. Cooperative planning, teaching aids methods and techniques, evaluation and space and equipment are studied.
305. PROBLEMS IN INTERIOR DECORATION. Four hours credit.  
Application of the principles of decoration to the home.
306. HISTORY OF COSTUME. Four hours credit.  
An intensive study of the development of costume through the ages and its influence on the designs of present day costumes. The development of the designers of Paris and the recent achievements of dress design by students of art in our own country.



322. INDIVIDUAL STUDIES IN HOME ECONOMICS. Two to eight hours credit.  
The course provides for independent study, particularly in those phases of a field of specialization not provided for in formal class courses. A comprehensive written report of each study is required.
- 333 INDIVIDUAL PROBLEMS IN HOME ECONOMICS. Four hours credit.  
a, This course offers additional opportunity for independent  
b. work. A comprehensive written report of each study is required.
371. ADVANCED TEXTILES. Four hours credit.  
A study of recent textile developments. Problems of individual interest are developed. A study of Oriental, European, English and American textiles, the synthetic fibers and recent developments in textiles.
385. RESEARCH IN FOODS. Four hours credit.  
A study of the recent findings in food research. Opportunity is given for individual investigations in various problems of food preparation. Valid techniques of experimentation are stressed.
396. DRESS DESIGN IN DRAPING. Two hours credit.  
Problems to develop original discrimination and techniques in costume design, developed with the means of draping fabrics. A problem selected and done on the student's own initiative.
399. THESIS. Eight hours credit.



DIVISION OF EDUCATION

25. GENERAL PSYCHOLOGY. Four hours credit.  
Designed to help students adjust to their physical and social environment in such areas as effective study, learning and maturation, motivation, perception, emotional control, personality development, and methods of studying human behavior through an understanding and application of some of the basic principles governing human behavior.
26. CAMP FIRE GIRLS' LEADERSHIP. Two hours credit.  
Training for leadership in educational, character-building extra-curricular activities for girls. The course leads to the National Training Course Certificate of the Camp Fire Girls.
27. BOY SCOUT LEADERSHIP. Two hours credit.  
Designed to give students a general knowledge of the aims and contents of the Boy Scout program, with emphasis on the methods that can be used to teach the program to boys.
28. GIRL SCOUT LEADERSHIP. Two hours credit.  
General knowledge of the aims and content of the Girl Scout program. Designed especially for young women interested in becoming leaders of Girl Scout troops.
30. TEACHING IN SMALL COMMUNITY SCHOOLS. Four hours credit.  
This course deals with school management, grouping pupils for instruction, making lesson assignments, directing study, conducting recitations, adapting materials and activities to class groups whose members differ greatly in age, achievement, and ability, and with making the school play an effective role in community improvement.
53. TEACHING READING IN THE ELEMENTARY SCHOOL. Four hours credit.  
The beginning course in teaching reading. Required of elementary majors. Emphasis is given to (a) helping pupils get ready to learn to read, (b) the steps in teaching reading, (c) making reading functional in the pupil's school work, and (d) making reading a worth-while activity for the pupils.
54. TEACHING ARITHMETIC IN THE ELEMENTARY SCHOOL. Four hours credit.  
A beginning course in teaching arithmetic. Required of those students who are preparing for their first student



teaching assignment. Special attention is given to problems of developing understanding of numbers, teaching the basic combination, efficient use of the arithmetic textbook, and developing accuracy.

77. PSYCHOLOGY OF CHILDHOOD AND YOUTH. Four hours credit. Prerequisite, Ed. 25 or the equivalent. The study of the physical, social and intellectual growth and development of the pupil from pre-school age through the high school. This course meets educational psychology requirements.
85. COMMUNITY LIFE AND PROBLEMS. Four hours credit. Designed to give prospective teachers an experience in study of typical kinds of community life. Each student will elect either to participate during the term in some community activity or to make a simple type of community survey.
105. AMERICAN EDUCATION. Four hours credit. Objectives of education, techniques of educational thinking, characteristics and trends in the American school system, the general program of education, levels of education, federal-state-local relations problems of teacher education and welfare.
120. INDIVIDUAL EDUCATIONAL RESEARCH FOR JUNIOR COLLEGE STUDENTS. One to eight hours credit. Qualified undergraduate students outline and spend a minimum of twenty-five clock hours per quarter hour on a problem. Two copies of a well written paper must be filed before credit is given, one with instructor and one with chairman of division.
- 150a. OBSERVATION AND APPLIED TECHNIQUES OF TEACHING IN THE ELEMENTARY SCHOOL. Four hours credit. Students enrolled in this course are expected to demonstrate their fitness to undertake student teaching. This is accomplished by class discussion of classroom management and by intensive observation and participation in a particular classroom over an extended period. Ed. 53 should be carried on during the same quarter; Ed. 77 should, if it has not been taken previously, be taken concurrently.
- 150b. METHODS OF TEACHING INDUSTRIAL ARTS IN SECONDARY SCHOOLS. Four hours credit. Teaching methods in industrial arts including problems of class organization, unit development, classroom procedures,





cost accounting and evaluation. To be taken quarter student is doing student teaching if possible.

150b. METHODS OF TEACHING HOME ECONOMICS IN SECONDARY SCHOOLS.

Four hours credit.

This course is planned for home economics majors. A study of the philosophy of homemaking education, organization of the curriculum, methods and materials.

150b. METHODS OF TEACHING ENGLISH IN SECONDARY SCHOOLS. Four hours credit.

150b. METHODS OF TEACHING FOREIGN LANGUAGES IN SECONDARY SCHOOLS.

Four hours credit.

A study of teaching procedures in foreign languages at the secondary school level. Includes study of content for courses of study, organization of learning materials, procedures in teaching, testing and evaluation.

150b. METHODS OF TEACHING SCIENCE IN SECONDARY SCHOOLS. Four hours credit.

An introductory course in science education in which the student studies the major problems of science education.

(1) What should I teach? (2) How should I teach it? (3) How do I know when I have taught it? The professional work of the science teacher in relation to organizations, publications, and community relationships is presented.

150b. METHODS OF TEACHING MATHEMATICS IN SECONDARY SCHOOLS. Four hours credit.

A course designed for those who must give thought to the place and function of mathematics in the secondary program. Method of organizing and presenting content material, with emphasis upon instructional problems and specific difficulties.

150b. METHODS OF TEACHING SOCIAL STUDIES IN THE SECONDARY SCHOOLS.

Four hours credit.

The objective of this course is to introduce students to the problems of teaching social studies in secondary schools and to develop techniques for use in meeting these problems. It will acquaint the students with materials and methods for use in teaching secondary school social studies.

150bI. METHODS OF TEACHING BUSINESS EDUCATION IN SECONDARY SCHOOLS.

Four hours credit.



The methods of teaching typewriting, shorthand, secretarial practice, and office practice are emphasized in this quarter.

150bII. METHODS OF TEACHING BUSINESS EDUCATION IN SECONDARY SCHOOLS.

Four hours credit.

The methods of teaching bookkeeping, general business, and distributive education are emphasized in this quarter.

150c. OBSERVATION AND DIRECTED PARTICIPATION. Four hours credit.

A course in which the student participates in supervised classroom activities and applies the methods and teaching techniques learned in Ed. 150b; Ed. 150c may be taken concurrently with Ed. 150b or during a subsequent quarter. The assignment for Ed. 150c must be made during the first quarter of the student's junior year with the designated teacher in the area in which student teaching is to be done.

150d. OBSERVATION AND PARTICIPATION IN THE ELEMENTARY SCHOOL

(Music). Three hours credit.

For further and more concentrated experience in school music on the elementary level. The student actively participates in the classes in which he observes, and studies classroom teaching procedures and methods and values with an eye to his own future student teaching.

150e. OBSERVATION AND PARTICIPATION IN THE SECONDARY SCHOOL

(Music). Three hours credit.

Advanced methods and instructional problems in high school music teaching, observation and participation in a designated music class in college, high school; class discussion of students' problems occurring in observation and participation.

150f. OBSERVATION AND PARTICIPATION IN MUSIC. Two hours credit.

Observation and participation in the instrumental music program of the elementary and secondary schools. Class discussion of the instructional and physical problems manifest in the teaching of instrumental music as a result of observation

150g. METHODS OF TEACHING PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL. Four hours credit.

A study of mental, emotional, physical, and social needs of children of elementary school age levels, and the planning of a program, selection of materials and methods of teaching physical education at these levels.



- 150h. METHODS OF TEACHING PHYSICAL EDUCATION IN SECONDARY SCHOOLS. Four hours credit.  
A study of planning, materials, and methods in physical education for the secondary school based on mental, physical, and social needs of the student at various age levels.
- 150j. METHODS OF TEACHING HEALTH EDUCATION IN ELEMENTARY SCHOOLS. Four hours credit.  
Materials and methods appropriate to elementary school level.
151. STUDENT TEACHING. Four to sixteen hours credit.  
Includes planning teaching, teaching under the direction of supervising teacher, evaluating teaching in conference with supervising teacher, improving teaching through repeated practice and re-evaluation, and participation in school and school-community activities.
158. ADVANCED OBSERVATION-STUDENT TEACHING. Four hours credit.  
Directed observation, analysis of observed teaching, evaluation of teaching procedures, and teaching under guidance either in Ernest Horn Elementary School or College Secondary School with direction as to how to adapt methods observed to student's particular teaching situation.
200. UNIT COURSES IN EDUCATION. One hour credit each unit.  
Short courses of two weeks' duration, summer only. The title of each specific unit implies the purpose and content of each course.
203. AVIATION FOR ELEMENTARY AND SECONDARY TEACHERS. Four hours credit.  
A non-technical course, dealing with subject matter in the areas of maps, weather, navigation, theory of flight, vocations, the social significance of aviation and the teaching methods and materials. Often given as a unit course. Class needs are considered.
- Sci.Ed IMPROVEMENT OF SCIENCE INSTRUCTION IN ELEMENTARY SCHOOLS.  
201 Four hours credit.  
A study evaluation and comparison of several programs suggested for science by various authorities and groups of science educators. Opportunity is provided for students to plan programs and study the reorganization of science subject matter to achieve the objectives of science.



**Sci.Ed SPECIAL PROBLEMS IN TEACHING SCIENCE IN SECONDARY SCHOOLS.****205 Four hours credit.**

Teachers who have special problems in the field of secondary science education may elect this course for the intensive study of their problems. Problems may be selected from such areas as content, method, problem solving, and evaluation. Teachers will present the results of their study to the group.

**207. PERSONALITY OF YOUNG CHILDREN. Four hours credit.**

The development of personality from birth through the elementary school years including techniques for developing fine traits; and methods of diagnosis and treatment of problems of personality development which arise in the home and school.

**208a. AUDIO-VISUAL AIDS IN EDUCATION. Four hours credit.**

A study of the philosophy and psychology of learning as it relates to these aids, and a detailed examination of the various aids as teaching techniques. Laboratory period required in use and operation of equipment.





- 208b. THE RADIO IN EDUCATION. Four hours credit.  
Topics include the place of radio in society, the use of radio and recordings as instructional devices, school radio and sound equipment, problems of school broadcasting, and teaching discrimination and appreciation.
- 208c. COMMUNICATIONS, EDUCATION AND PROPAGANDA. Four hours credit.  
A study of the methods, interests, and issues involved with the techniques of propaganda analysis. Followed by an examination of the various mass agencies of communication and their implications for the educational process.
- 208f. WORKSHOP IN RADIO PRODUCTION (Advanced Course). Four hours credit. (Humanities)  
Additional work with radio speaking, acting, and special emphasis on script writing and production of educational radio programs. Laboratory work and broadcasts over local stations required of all students.
210. IMPROVEMENT OF INSTRUCTION IN READING IN THE ELEMENTARY SCHOOL. Four hours credit.  
A detailed consideration of the content to be taught and the methods and materials to be used in the teaching of reading from the kindergarten through the sixth grade.
- 210a. READING IN THE PRIMARY GRADES. Four hours credit.  
The nature of reading, the curriculum in reading from the preparatory period through the primary grades, the selection of effective materials of teaching, methods and techniques of teaching, and the use of various types of tests.
- 210d. REMEDIAL READING IN THE ELEMENTARY SCHOOL (Theory). Four hours credit.  
A lecture and demonstration course dealing with remedial reading from grades one through six, testing and diagnosis of problem cases, and techniques and devices for use in remedying the difficulties.
- 210e. LABORATORY COURSE IN REMEDIAL READING. Four hours credit.  
A practice course with actual remedial cases with whom the techniques of diagnosis and treatment of reading difficulties are used. Ed. 210d should be taken concurrently with this course.
- 210f. READING READINESS. Four hours credit.  
Presents theories, research, and practices regarding



readiness for reading in the first grade and on through the elementary school, as well as readiness for reading in the subject matter fields.

- 210g. TEACHING SPANISH-AMERICAN CHILDREN. Four hours credit.  
The scope of bilingualism, methods, materials and techniques for teaching non-English speaking children, emphasizing foundational work in oral English for beginners, and a guidance program through the grades.
- 210h. LABORATORY COURSE IN TEACHING SPANISH-AMERICAN CHILDREN. Four hours credit.  
A course in observation, participation, and remedial problems in the teaching of Spanish-American children of various ages, using materials and techniques suited to their needs in acquiring the language arts. Ed. 210g should, if not having been taken before, be taken concurrently with this course.
211. IMPROVEMENT OF INSTRUCTION IN LANGUAGE IN THE ELEMENTARY SCHOOL. Four hours credit.  
This course is the basic course in the teaching of language in the elementary school. It considers the scope and nature of an adequate program of instruction in language, and is concerned primarily with the identification of content to be taught and methods and materials to be used.
- 211a. LANGUAGE IN THE PRE-SCHOOL AND PRIMARY GRADES. Four hours credit.  
A course in oral language from pre-school through grade three, and written language and the related skills of spelling and penmanship from first grade through grade three. Curriculum content, materials, and techniques will be studied.
- 211e. TEACHING HANDWRITING AND SPELLING IN ELEMENTARY SCHOOL. Four hours credit.  
Psychology and teaching of spelling and handwriting in the elementary school. Part of the time will be given to earning a certificate of handwriting from the preferred commercial company.
212. IMPROVEMENT OF INSTRUCTION IN ARITHMETIC IN ELEMENTARY SCHOOL. Four hours credit.  
Selecting what to teach, the grade placement of content,



methods and materials of teaching, and means of evaluating achievement.

- 212a. ARITHMETIC CONCEPTS FOR YOUNG CHILDREN. Four hours credit. Study and discussion of the development of mathematical concepts for young children and their utilization in teaching the fundamental processes.
213. IMPROVEMENT OF INSTRUCTION IN SOCIAL STUDIES. Four hours credit. Selection and organization of content, learning activities, problem-solving, social skills and attitudes through the first six grades. Emphasis is placed upon materials and methods for teaching a unified and correlated social studies program.
214. THE ELEMENTARY SCHOOL. Four hours credit. This course deals with the following aspects of the elementary school: (1) Its development and purposes, (2) its forms of organization, (3) the types of school records which the teacher uses, (4) problems of evaluating pupil progress and of promotion and retention, (5) the curricular offerings and the teacher's responsibility in determining these, (6) the members of the school staff and the teacher's relation to each.
- 215a. PRINCIPLES OF GUIDANCE. Two or four hours credit. The fundamental principles of guidance.
- 215c. GUIDANCE IN ELEMENTARY SCHOOLS. Four hours credit. The scope and best techniques for carrying out a program in personnel and guidance from pre-school through grade six.
- 215g. VOCATIONAL GUIDANCE. Four hours credit. A basic course in the principles and techniques of vocational guidance appropriate for teachers of high school and college age youth.
- 215h. APPLIED TECHNIQUES OF COUNSELING. Four hours credit. A course designed to give the student practical application in guidance procedures.
216. SECONDARY EDUCATION. Four hours credit. An introductory course in secondary education concerned with the general problems of the evolution of the secondary



school, purposes, the curriculum, learning materials, methods and evaluation. This course should precede or be taken in the same quarter with Ed. 150b.

217. EXTRACURRICULAR ACTIVITIES. Four hours credit. Topics covered include school government, athletics, debating, literary and social clubs, school papers, musical and dramatic activities, and civic clubs and projects.

228a. MENTAL HYGIENE AND PERSONALITY DEVELOPMENT. Four hours credit.

A general non-technical course designed to give an understanding of the principles and problems of good mental health, and the effects of improper adjustments on personality development with suggested preventive and remedial procedures.





- 228b. THE PSYCHOLOGY OF EXCEPTIONAL CHILDREN. Four hours credit. A course designed to develop understanding of the learning and personality difficulties of exceptional children, such as the physically handicapped, the socially handicapped, and the mentally deficient and mentally superior.
229. ACHIEVEMENT MEASUREMENT AND EVALUATION. Four hours credit. A basic course dealing with principles and techniques of evaluation of achievement in education at either the elementary or secondary school level. The construction, use, and interpretation of teacher made and standardized tests.
- 229a. EDUCATIONAL MEASUREMENTS IN ELEMENTARY SCHOOLS. Four hours credit. A course covering measurement in the various aspects of learning from the nursery and kindergarten through the elementary grades, the study of instruments, both informal and standardized, which are applicable to measurement at these levels, and sensible uses of the results in the schools.
- 229b. APTITUDES MEASUREMENT AND EVALUATION. Four hours credit. Group and individual aptitude tests, covering general aptitude (or intelligence) and specific aptitudes. Deals with the theory of construction, use and interpretation of standardized tests of aptitudes.
237. COMPARATIVE EDUCATION. Four hours credit. The philosophy and practices of education in foreign countries, usually including education in Germany, France, Russia, Norway, Great Britain, China, Australia, Canada, Mexico and certain South American countries.
240. PARENT EDUCATION. Two hours credit. This course deals with problems of starting and continuing programs of parent education in public schools. The selection of sponsoring organizations, organizing parent education groups, meeting the educational interests and needs in child study, home education, and home-school cooperation are emphasized.
- 241a. ADMINISTRATION OF VILLAGE AND CONSOLIDATED SCHOOLS. Four hours credit. A study of the problems of small schools from the administrative standpoint. Problems such as curricula, supervision, transportation, records, etc.



245. CURRICULUM CONSTRUCTION. Four hours credit.  
An appraisal of theories and practices of curriculum making; presentation of a modern, functional philosophy of curriculum making; and survey of the applications of this functional theory to the major areas of living. First of sequence in curriculum: Ed. 245, 246, 247.
246. ADVANCED CURRICULUM CONSTRUCTION. Four hours credit.  
This course discusses what to teach in the major areas of living including communication, health, economic life, home and family life, citizenship, leisure, religious-moral experience and personality development.
247. EDUCATIONAL SOCIOLOGY AND COMMUNITY ORGANIZATION. Four hours credit.  
Surveys and appraises the implications of outside the school cultural agencies, and attempts to help administrators and teachers utilize the resources of the community in a broad educational program in and out of the school.
- 249a. WORKSHOP IN COMMUNITY PROBLEMS. Four hours credit.  
Provision is made for students to work on individual problems relating to the community. A carefully organized project is required.
- 249b. PROBLEMS OF INTERGROUP RELATIONS. Two hours credit.  
A course dealing with the evidence as to all types of intergroup relations--race, nationality, minority groups, income groups, urban and rural groups; and with methods of teaching and measuring intergroup relations.
250. PRINCIPLES OF TEACHING. Four hours credit.  
What teachers must do if pupils are to learn well. Varying ideas of method are portrayed in terms of classroom procedure, and evaluated in terms of behavioral outcomes.
260. NURSERY SCHOOL EDUCATION. Four hours credit. (Home Economics)  
A course presenting the theories, research and best practices for the education of children from the age of two years until their entrance to kindergarten.
261. KINDERGARTEN EDUCATION. Four hours credit.  
A course covering the research, theory, and best practices for the education in kindergartens of four- and five-year old



children. Organization, housing, and equipping of new kindergartens, the readiness program for first grade, and parent education will have pertinent handlings within the course.

263. ADMINISTRATION AND SUPERVISION OF THE ELEMENTARY SCHOOL. Four hours credit.  
This course deals with types of elementary school organization, administrative relationships of principal to superintendent and teachers, administration of school services, theory and practice in grouping and grading pupils, promotion-retention policies, supervision of instruction, in-service education of teachers, and school-community relationships. Emphasis is on selection, use and evaluation of supervisory techniques.
266. SECONDARY SCHOOL CURRICULUM, INSTRUCTION AND ADMINISTRATION. Four hours credit.  
The problems of teachers, particularly those concerning curriculum and instruction on which the members of this class are working in service, will be used for cooperative committee study and development of recommendations for improved practices.
267. RECONSTRUCTING SECONDARY EDUCATION. Four hours credit.  
Progressive thinking and progressive practices in secondary education and in the major teaching fields of the students enrolled will be used as a basis for the development of plans for the improvement of secondary school teaching.

#### Health

271. Safety Education. Four hours credit.  
Comprehensive course for probable administrators of safety programs in public schools.
271. TECHNIQUES OF ADULT EDUCATION. Four hours credit.  
This course will emphasize the development of adult education movements in this country, the psychology and philosophy of adult education, and methods and techniques in practical application.
272. PRINCIPLES OF VOCATIONAL EDUCATION. Two or four hours credit.  
A study of the philosophy and development of vocational education, legislation, state policies, school programs, and non-school agencies and programs.



- 275a. **ELEMENTARY STATISTICS.** Four hours credit.  
An introduction to the meaning and practical use of measures of central tendency, variability, reliability, and relationship. Problems for application are taken principally from education and psychology.
- 277a. **CHILD PSYCHOLOGY.** Four hours credit.  
A study of the growth, adjustments, and capacities of children from conception through the elementary school years. Emphasis is placed upon what to do in guiding the development of normal children.
- 277b. **PSYCHOLOGY OF ADOLESCENCE.** Four hours credit.  
With emphasis on the total personality this course deals with the adolescent in terms of his physical, mental, social and emotional growth and development, and suggests methods of guiding the adolescent toward a wholesome realization of his potentialities.

#### Fine Arts

278. **Organization and Administration of the Arts Program.** Four hours credit.  
A course primarily for school administrators, which presents the philosophy, problems of organization, methods and the like of a general arts program.

#### Music

278. **Administration and Supervision of the Music Program.** Four hours credit.  
A course designed to acquaint the school administrator with the problems of the administration and supervision of the music program. The content includes the place of music in the school program, music equipment, schedule, budget, instructional problems, and public relations in music.
280. **ORGANIZATION AND ADMINISTRATION OF A SCHOOL LIBRARY.** Four hours credit.  
Aid for teachers in developing libraries in small schools. Includes objectives of school libraries, physical plant, maintenance, discussion of budget and order procedure, circulation procedure and personnel.
281. **CLASSIFICATION AND CATALOGING.** Four hours credit.  
In this course the student learns the fundamentals of classification according to the Dewey System and the construction





of a dictionary catalog for the school library. It will include all necessary processes from the time books are acquired until they are ready for circulation. Attention is also given to the library care of pamphlets and audio-visual materials.

- 282a. MATERIALS FOR SCHOOL LIBRARIES. Four hours credit.  
Evaluation of materials for school libraries. Study and principles of book selection, book selection aids and discussion of reading levels and interest of young people.
- 282b. MATERIALS FOR SCHOOL LIBRARIES. Four hours credit.  
Discussion of reference work and materials including compilation of bibliographies for classroom use.
283. THE LIBRARIAN AND THE SCHOOL. Four hours credit.  
The correlation of the library and the classroom. Teaching the use of the Library, publicity techniques, preparation for the teaching of materials, and practice in giving book talks and book reviews.
291. SOCIAL PSYCHOLOGY. Four hours credit.  
Specialized study of the behavior of men in groups. Personality, society and culture; psychological aspects of human conflict, mass behavior, morale and leadership, attitudes.
- 293d. THE AMERICAN JUNIOR COLLEGE. Four hours credit.  
A study of the types, development and present status of the junior college, in relation to size, distribution, curriculum, financing and function.
294. APPLIED LOGIC. Four hours credit.  
Logical meaning, logical structure, factual reasoning, dialectical method; the problems of reality, self moral values, religion, and the esthetic experience.
295. PHILOSOPHY OF EDUCATION. Four hours credit.  
Educational aims, values and criteria, democracy and education, different systems of educational philosophy, the nature of thinking, method and subject matter.
- 295a. FOUNDATIONS OF MODERN EDUCATION. Four hours credit.  
This course is designed to study important historical and philosophical backgrounds for the interpretation of present day educational issues.



297. CONCEPTIONS OF MIND IN EDUCATIONAL THEORY. Four hours credit.  
Traces the historical development of three major conceptions of mind and shows the relation of each to the aims of education.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and techniques of research in the area of the graduate major. This course is required of all first quarter graduate students who expect to receive the degree of Master of Arts.
- Sci.Ed  
301 SEMINAR IN ELEMENTARY SCIENCE EDUCATION. Four hours credit.  
A study and demonstration of eight difficult kinds of science lessons. The educational theory of the lessons is presented, the lessons are taught to elementary school science classes for observation, and the theory and practice are discussed following the demonstration. Members of the seminar will prepare and teach lessons during the latter part of the course.
- Sci.Ed  
302 SEMINAR IN SECONDARY SCIENCE EDUCATION. Four hours credit.  
A study and demonstration of eight difficult kinds of science lessons. The educational theory of the lessons is presented, the lessons are taught to secondary school science classes for observation, and the theory and practice are discussed following the demonstration. Members of the seminar will prepare and teach lessons during the latter part of the course.
301. PRACTICUM (Master of Arts, Doctor of Education). Three or four hours credit, maximum of eight hours credit.  
Open only by invitation to resident graduate students for the master's or doctorate degrees. This course includes practical professional activity of at least two hours daily for one quarter for three or four hours of credit in School Administration, counseling, experimental methodology or other areas of education and psychology. In addition to the laboratory experience, the student is required to present an extensive written report emphasizing a review of the literature about the project, procedures used and conclusions reached. The report must be typewritten and, after being approved by the instructor, filed in the Graduate Office.



- 310a. SPECIAL PROBLEMS IN THE SUPERVISION OF READING. Four hours credit.

This seminar course covers important problems in the teaching and supervision of reading in the elementary school varying somewhat in content from year to year. Problems pertaining to such matters as the content of an adequate instructional program in reading, independence in word identification, meaning difficulties in reading, the selection and use of textbooks and other instructional aids, and the construction of lessons on important skills usually are included.

- 311a. SPECIAL PROBLEMS IN THE SUPERVISION OF LANGUAGE. Four hours credit.

This seminar course will cover important problems in the teaching and supervision of language in the elementary school, varying slightly from year to year. Problems pertaining to such matters as the content of an adequate instructional program in language, speaking and writing clearly and exactly, the mechanics of expression, creative writing, the selection and use of textbooks and other instructional aids, and the construction of lessons on important items usually are included.



- 312a. SPECIAL PROBLEMS IN THE SUPERVISION OF ARITHMETIC. Four hours credit.  
A seminar course which covers the important problems in the teaching and supervision of arithmetic in the elementary school. The content may vary slightly from year to year depending upon the interests of the students enrolled.
- 313a. SPECIAL PROBLEMS IN THE SUPERVISION OF SOCIAL STUDIES. Four hours credit.  
This is a seminar course. It is based on the interests and needs of students who enroll in the course. Current trends in curriculum improvement, supervisory objectives and techniques in current use, recent researches in methodology, areas of living, social growth and development of children, and the administration of the emerging curriculum are typical topics of interest.
- 315d. GUIDANCE IN SECONDARY SCHOOLS. Four hours credit.  
Principles and techniques of guidance, functions of guidance workers, and analysis of representative guidance programs in secondary schools.
- 315e. PROBLEMS IN SECONDARY SCHOOL GUIDANCE. One to four hours credit.  
An advanced course which considers specialized problems such as home room guidance, tests and their use in guidance, records and reports, and individual guidance problems.
- 315f. PERSONNEL WORK IN COLLEGES AND UNIVERSITIES. Four hours credit.  
General discussion of the administrative principles and functions of student personnel work. Admission policies, college orientation, housing, program planning, and interpretation of tests.
322. INDIVIDUAL STUDIES IN EDUCATION. Two or four hours credit. each problem; maximum of eight hours credit.  
Qualified students outline a definite problem and spend a minimum of twenty-five clock hours for each quarter-hour of college credit. Two typewritten copies of a well-written paper must be filed before credit is given, one with the instructor who directs the study and one with the Director of the Graduate School.





- 328c. PERSONALITY DEVELOPMENT. Four hours credit.  
The course is concerned with building an understanding of the psychological factors and principles underlying personality growth and development and with the use and application of these principles.
- 329c. THE STANFORD-BINET SCALE OF INTELLIGENCE. Four hours credit.  
A laboratory course in the understanding and use of the scale, leading to the student's becoming qualified to administer it in schools and clinics.
342. SCHOOL ADMINISTRATION - FEDERAL, STATE, LOCAL (First course). Four hours credit.  
Federal relations to education, the state as the fundamental educational unit, local administrative units, duties and the powers of the superintendent, and the administration of personnel. Administration majors may earn up to 20 hours in this field by taking Ed. 342, 343, 344, 442 and 443.
343. SCHOOL ADMINISTRATION - SCHOOL FINANCE (Second Course). Four hours credit.  
Child accounting, business administration, preparation and use of the budget, cost accounting and fiscal control, indebtedness, short-time borrowing and bonds.
344. SCHOOL ADMINISTRATION - SCHOOL BUILDINGS (Third Course). Four hours credit.  
School building plans, specifications, construction, maintenance, operation, insurance and purchase and care of supplies and equipment.
345. PRACTICE IN SCHOOL ADMINISTRATION. Four to eight hours credit.  
Selected graduate students may study in a public school system under the joint supervision of the college and the superintendent of schools, on an individual program set up to provide each student practical experiences in public school administration suited to his needs.



352. STUDENT SUPERVISION. Four to eight hours credit.  
A laboratory course to give practical experience, under close supervision, in directing the work of the student teachers. Open to those students who are preparing for supervisory positions and show promise from student teaching or public school experience of undertaking such positions.
364. IMPROVEMENT OF ELEMENTARY SCHOOL INSTRUCTION (For superintendents). Four hours credit.  
This course for superintendents attempts to provide answers to three questions concerning each of the subjects commonly taught in the elementary school. These questions are, (1) what should be taught? (2) what methods and materials are effective? (3) how may pupil achievement be measured?
- 365a. JUNIOR-SENIOR HIGH SCHOOL ADMINISTRATION AND SUPERVISION. Four hours credit.  
This course covers the nature of secondary-school administration; the duties and responsibilities of the principal; and deals specifically with a resource list of problems and practices of secondary school administrators. Three national surveys of the American secondary school are analyzed and evaluated from the administrative point of view.
- 365b. PROBLEMS IN JUNIOR-SENIOR HIGH SCHOOL ADMINISTRATION AND SUPERVISION. Four hours credit.  
This course centers on the major problems of the secondary school administrator. Such problems as teacher participation, budget construction and control, the administration of curriculum construction, activities and the school calendar as well as the supervision of instruction are intensively treated. Some individual selection of problems for research is provided.
369. EXPERIMENTATION IN THE SECONDARY SCHOOL. Four hours credit.  
Secondary school organization, curriculum, and instructional practices as developed by the secondary school of Colorado State College of Education provide the approach in this course to the study of various plans for the improvement of secondary education.
- +375b. ADVANCED STATISTICS. Four hours credit. (Mathematics)  
Sampling theory, tests of significance, Chi-square function, correlation methods, introduction to analysis of variance and experimental design in educational research.



376. PSYCHOLOGY OF INDIVIDUAL DIFFERENCES. Four hours credit.  
The nature and extent of differences among individuals and differences between such groups as men and women, age, class, race and nationality; factors related to these differences; and the application of the facts of human variability to educational, vocational, social and personnel work.
378. PSYCHOLOGY OF LEARNING. Four hours credit.  
The several theories of learning are examined critically for the purpose of developing a working control of the learning process by the student.
- 378b. RECENT LITERATURE IN EDUCATIONAL PSYCHOLOGY. Four hours credit.  
A critical review and evaluation of published research in the fields of learning, individual differences, child development, and teaching methods. Individual reports and seminar discussions.
379. EXPERIMENTAL EDUCATION. Four hours credit.  
This course deals with the recent methods of experimentation in education, including such topics as: experimental design, sampling, statistical analysis, and interpretation of results.
392. TECHNIQUES OF SUPERVISION. Two hours credit.  
Study appropriate techniques for directing the work of student teachers. Topics considered are (a) basis of granting student teaching assignments, (b) teaching students how to plan lessons, evaluate pupil progress and conduct class discussions, (c) measuring the progress of the student teacher. A course intended for those who are to supervise student teachers.
- 393a. SEMINAR IN HIGHER EDUCATION (Administration, organization, finances, buildings and other administrative problems). Four hours credit.  
Individual studies of the problems of higher education. Involves research, writing and group discussions.
- 393b. SEMINAR IN HIGHER EDUCATION (Faculty, curriculum, supervision, and instruction). Four hours credit.  
Individual studies of the problems of higher education. Involves research, writing and group discussions.



- 393c. SEMINAR IN HIGHER EDUCATION (Problems of teacher education).  
Four hours credit.  
Individual studies of the problems of higher education.  
Involves research, writing and group discussions.
396. MODERN PHILOSOPHIES OF EDUCATION. Four hours credit.  
A study of three schools of philosophy and their educational implications - realism, idealism and pragmatism.
398. CURRENT EDUCATIONAL TRENDS AND ISSUES. Four hours credit.  
Appraises the current studies in each area as objectives, experimentation, evaluation, administration, levels of education, non-governmental controls, program of education, trades education and welfare.
399. THESIS. Eight hours credit.
400. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
Open only to graduate students who are pursuing courses beyond the master's degree, and is required of all such students who plan to become candidates either for the Advanced Diploma of Specialization or the degree of Doctor of Education.
401. PRACTICUM FOR ADVANCED GRADUATE DIPLOMA OF SPECIALIZATION.  
Eight hours credit.  
Practical professional activity or project, which culminates in an extensive written report of the project, emphasizing procedures used and conclusions reached.
- 422a. RESEARCH PRELIMINARY TO FIELD STUDY NO. 1.  
Required of all candidates for degree of Doctor of Education as preparatory to Field Study No. 1. This preparatory work must be done on the campus as a part of a student's regular course load and in consultation with the major professor or the research professor.
- 422b. RESEARCH PRELIMINARY TO FIELD STUDY NO. 2.  
Required of all candidates for the degree of Doctor of Education preparatory to Field Study No. 2. This preparatory work must be done on the campus as part of a student's regular course load and in consultation with the major professor or the research professor.





- 423 GRADUATE RESEARCH CREDIT FOR FIELD STUDY NO. 1. Four hours credit.  
a,  
b,  
c.
- 424 GRADUATE RESEARCH CREDIT FOR FIELD STUDY NO. 2. Four hours credit.  
a,  
b,  
c.
442. SCHOOL ADMINISTRATION - SCHOOL LAW (Fourth course). Four hours credit.  
The problems of general school law applicable in typical states and court decisions relative to schools, public relations and school publicity.
443. SCHOOL ADMINISTRATION - SPECIALIZED AGENCIES (Fifth course). Four hours credit.  
Administration of adult education, federal-supported classes, such as agriculture, home economics and distributive occupations, libraries, health agencies, military training, and other specialized and allied educational agencies.
444. SCHOOL ADMINISTRATION - DEVELOPING EDUCATIONAL LEADERSHIP (Sixth course). Four hours credit.  
The selection, preparation and placement of educational leaders in the public schools. How leadership emerges and develops. Techniques of community leadership and the use of community resources in developing an educational program.



## BUSINESS EDUCATION

1. **TYPEWRITING.** Two hours credit.  
A beginning course in typewriting. Emphasis will be given to both personal and vocational use. Students with one year of high school typewriting or the equivalent who can pass a qualifying examination may be exempted from this course.
2. **ADVANCED TYPEWRITING.** Two hours credit.  
The second course in typewriting. Prerequisite B.Ed 1 or the equivalent. Emphasis will be strictly on vocational use. Students who have had two years of high school typewriting or the equivalent who can pass a qualifying examination may be exempted from this course.
10. **BEGINNING GREGG SHORTHAND.** Four hours credit.  
First quarter of shorthand. Prerequisite, one semester of high school typewriting or the equivalent. The materials in the first five chapters of the Gregg Manual will be covered. Students who have had one year of high school shorthand or the equivalent who can pass a qualifying examination may be exempted from this course.
11. **INTERMEDIATE GREGG SHORTHAND.** Four hours credit.  
Second quarter of shorthand. Prerequisite, B.Ed 10 or the equivalent. Materials in chapters 6-12 of Gregg Manual covered. Students who have had two years of high school shorthand or the equivalent who can pass a qualifying examination may be exempted from this course.
12. **SHORTHAND TRANSCRIPTION.** Four hours credit.  
Prerequisite, B.Ed 2 or equivalent and B.Ed 11 or the equivalent. A combination of materials equivalent to the third quarters of shorthand and typewriting. Emphasis is upon rapid, accurate transcription rather than high speed reporting.
13. **OFFICE PRACTICE.** Four hours credit.  
Prerequisite, B.Ed 2 or the equivalent. A combination of instructions in the use of office machines, and experience in the administrative offices of the college. The class will meet two hours a day.
14. **SECRETARIAL PRACTICE.** Four hours credit.  
Prerequisite, B.Ed 12. Deals with the duties of the secretary and gives advanced practice in dictation. This course may be substituted for B.Ed 13. The class will meet for two hours a day.



20. PRINCIPLES OF ACCOUNTING I. Four hours credit.  
A beginning course which emphasizes recording common business transactions in various journals, summarizing transactions in a general or subsidiary ledger, and presenting the results of these transactions on classified financial statements. Students with one year of high school bookkeeping or the equivalent who can pass a qualifying examination may be exempted from this course.
21. PRINCIPLES OF ACCOUNTING II. Four hours credit.  
Prerequisite, B.Ed 20 or the equivalent. The emphasis in this course is on business papers, negotiable instruments, adjusting entries, and analysis of financial statements. Students with two years of high school bookkeeping or the equivalent who can pass a qualifying examination may be exempted from this course.
22. PRINCIPLES OF ACCOUNTING III. Four hours credit.  
Prerequisite, B.Ed 21 or the equivalent. This course emphasizes the fundamental principles and practices in payroll, tax, departmental, and tax accounting. The government reports required for sales, income, social security, and unemployment taxes are completed. A practice set provides a complete review of the work of the two preceding quarters.
37. BUSINESS MATHEMATICS. Four hours credit.  
A course designed to meet the minimum needs of the students of business. Fundamental processes and their application to business situations are studied. Students who can pass a qualifying examination may be exempted from this course.
41. INTRODUCTION TO BUSINESS. Four hours credit.  
This is a general exploratory and orientation course in the areas of business and commerce. A background is provided for the study of subsequent courses in business.
60. CALCULATING MACHINES. Two hours credit.  
A beginning course in the operation and use of 10-key adding-listing machines, rotary and key-driven calculators.
71. PRINCIPLES OF RETAILING. Four hours credit.  
A study of the growth and position of independent, chain, and mail-order stores. Business policies, methods, and basic factors involved in planning, selecting, buying, pricing, and selling merchandise are studied.



72. RETAIL SALESMANSHIP. Four hours credit.  
Principles and practices of retail selling. Primary emphasis upon store selling.
73. MERCHANDISE INFORMATION - NON-TEXTILES. Four hours credit.  
A study of the characteristics and merchandising of non-textiles. Emphasis will be placed upon their analysis and selling points.
115. BUSINESS CORRESPONDENCE. Four hours credit.  
Prerequisite, ability to typewrite. The basic principles and practices in the preparation of business correspondence. Emphasis placed upon business situations out of which correspondence arises.
117. DUPLICATING AND RECORDING MACHINES. Two hours credit.  
The emphasis in this course is on demonstration and teaching methods rather than on practice. Voice writing machines and liquid and stencil process duplicators are studied.
123. CORPORATION ACCOUNTING. Four hours credit.  
Prerequisite, B.Ed 22 or the equivalent. The principles of accounting are applied to the books, records, and accounts of a corporation. Some emphasis is placed on the development of the fundamental principles of manufacturing and job cost accounting. Principles are applied in practice set.
127. PAYROLL ACCOUNTING. Two hours credit.  
A study is made of the laws influencing the payroll records business must keep. Payroll routine and reports are studied and practiced.
128. FEDERAL INCOME TAX FOR INDIVIDUALS. Two hours credit.  
Study and application of the principles in preparing federal income tax returns for individuals.
131. BUSINESS LAW. Four hours credit.  
This course is the introductory course to business law. It is a survey of general law and its administration. Contracts and agency are taken up specifically.
132. BUSINESS LAW. Four hours credit.  
This course covers negotiable instruments, suretyship, sales, bailments, and common and private carriers.





216. SECRETARIAL SCIENCE. Four hours credit.  
A general survey course in the secretarial field. Emphasis is upon the work of the secretary rather than upon skill building.
251. COLORADO INDUSTRIAL DEVELOPMENT. Three hours credit.  
The purpose of this course is to provide the opportunity to visit and study various industrial and business establishments in Colorado. Primary emphasis is placed upon visiting Colorado industries and conferences with business executives.
252. OFFICE MANAGEMENT. Three hours credit.  
The emphasis in this course is on the functions of the office and office organization; work in the office; office layout, equipment, supplies, and forms; personnel problems in the office; and costs and control of office work.
- 253a. IMPROVEMENT OF INSTRUCTION IN BOOKKEEPING. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.
- 253b. IMPROVEMENT OF INSTRUCTION IN OFFICE PRACTICE. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.
- 253c. IMPROVEMENT OF INSTRUCTION IN CONSUMER EDUCATION. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.
- 253d. IMPROVEMENT OF INSTRUCTION IN SHORTHAND. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.
- 253e. IMPROVEMENT OF INSTRUCTION IN TYPEWRITING. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.



- 253f. IMPROVEMENT OF INSTRUCTION IN GENERAL BUSINESS. Two hours credit.  
This course primarily is for students who have had methods courses and teaching experience. Emphasis is upon improving instruction in the area studied.
254. CONSUMER EDUCATION. Four hours credit. (Social Studies)  
This course deals with the problems of the consumer in the management of his income and the buying of goods and services.
255. BUSINESS ORGANIZATION AND MANAGEMENT. Four hours credit.  
Deals with different types of organization which have been used in the conduct of business and how business is organized to conduct services. Both large and small business organizations are studied.
257. PRINCIPLES OF INSURANCE. Four hours credit.  
The different types of insurance coverage available and the kinds of policies are presented in this course. Primary emphasis is placed upon life insurance. Each student will develop a tentative insurance program.
258. PRINCIPLES OF ADVERTISING. Four hours credit.  
The principles of advertising are studied in this course and applied to the different advertising mediums. Advertising campaigns are studied and developed.
261. RETAIL STORE OPERATION AND MANAGEMENT. Four hours credit.  
Functions of the main divisions of retailing. Emphasis is on the responsibilities of the store manager and current operating practices.
262. ADMINISTRATION OF DISTRIBUTIVE EDUCATION. Four hours credit.  
A survey of the field of cooperative distributive education will be introductory. The course will then stress the organization, administration, and supervision of such a program.
272. THE BUSINESS CURRICULUM. Four hours credit.  
The business curriculum in the high school is the basic consideration in this course. This is the final course in business education for prospective teachers.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of research techniques and their application to



business education. Required of all business education majors who are candidates for the degree of Master of Arts.

322. INDIVIDUAL STUDIES. Four hours credit.  
This course provides an opportunity for the graduate student to engage in individual research in the field of business education.
370. ADMINISTRATION AND SUPERVISION OF BUSINESS EDUCATION. Four hours credit.  
This course deals with the problems of administrators and supervisors who are interested in business education as well as heads of departments of business education.
372. ADVANCED CURRICULUM PROBLEMS. Four hours credit.  
High school curricula and courses of study in business subjects will be planned and developed in this course.
373. CURRENT PROBLEMS IN BUSINESS EDUCATION. Four hours credit.  
Current problems in business education are studied and discussed by individuals, committees, and class.
399. MASTER'S THESIS. Eight hours credit.



## DIVISION OF HEALTH

1. ORIENTATION IN PHYSICAL EDUCATION ACTIVITIES. One hour
2. credit each quarter.
3. Seasonal program. Recommended for all first year men students.
  
5. TAP DANCING. One hour credit.
  
- 6a. BEGINNING MODERN DANCE. One hour credit.
- 6b. INTERMEDIATE MODERN DANCE. One hour credit.
  
7. FOLK DANCING. One hour credit.
  
8. SOCIAL DANCING. One hour credit.
  
9. AMERICAN SQUARE DANCE. One hour credit.
  
10. FIELD HOCKEY (Women). One hour credit.
  
11. SOFTBALL. One hour credit.
  
12. SOCCER (Women). One hour credit.
  
14. PLAYS AND GAMES. One hour credit.
  
15. VOLLEY BALL. One hour credit.
  
16. SWIMMING. One hour credit.
  
- 16a. BEGINNING SWIMMING (Women). One hour credit.
- 16b. INTERMEDIATE SWIMMING (Women). One hour credit.
- 16c. ADVANCED SWIMMING (Women). One hour credit.
  
17. GOLF. One hour credit.
  
18. BASKETBALL. One hour credit.
  
19. MINOR INDIVIDUAL SPORTS. One hour credit.
  
20. BOXING. One hour credit.
  
21. FENCING. One hour credit.
  
22. MATWORK. One hour credit.





- 22a. PYRAMIDS. One hour credit.
- 22b. DOUBLE TUMBLING. One hour credit.
- 22c. GYMNASTICS. One hour credit.
23. TENNIS. One hour credit.
24. INDIVIDUAL GYMNASTICS. One hour credit.
25. BODY MECHANICS (Women). One hour credit.  
Individual analysis of posture; exercises prescribed for individual needs; instruction and practice in doing every day movements with maximum efficiency.
- 45a. FROSH FOOTBALL. One hour credit.  
Open for participation in football to all Freshman students.
- 45b. VARSITY FOOTBALL. One hour credit.  
Varsity football participation in the R.M.F.A.C.
- 45c. SPRING FOOTBALL. One hour credit.
- 46a. FRESHMAN BASKETBALL. One hour credit.
- 46b. VARSITY BASKETBALL. One hour credit.
- 47a. FRESHMAN WRESTLING. One hour credit.  
For all students who wish to participate in wrestling.
- 47b. VARSITY WRESTLING. One hour credit.  
Participation in intercollegiate wrestling.
- 48a. FRESHMAN GYMNASTICS. One hour credit.  
Advanced gymnastics for freshman team members.
- 48b. VARSITY GYMNASTICS. One hour credit.  
Advanced gymnastics for varsity team members.
- 49a. FRESHMAN SWIMMING. One hour credit.
- 49b. VARSITY SWIMMING. One hour credit.
- 50a. FRESHMAN BOXING. One hour credit.
- 50b. VARSITY BOXING. One hour credit.



- 52a. FRESHMAN BASEBALL. One hour credit.
- 52b. VARSITY BASEBALL. One hour credit.
- 53a. FRESHMAN TRACK. One hour credit.  
For all students who wish to prepare themselves for varsity track competition.
- 53b. VARSITY TRACK. One hour credit.  
Participation in intercollegiate track meets.
- 54a. FRESHMAN TENNIS. One hour credit.
- 54b. VARSITY TENNIS. One hour credit.
61. PERSONAL LIVING. Four hours credit.  
This course presents basic facts about health and disease. The relation of health practices to everyday living patterns are stressed. Every effort is made to assist the student in designing a desirable health pattern that will meet the individual's need.
62. FIRST AID. Two hours credit.  
This course emphasizes the prevention, diagnosis and treatment of the common accidents seen in daily life.
63. ADVANCED FIRST AID. One hour credit.  
This course offers all practical work used in dressings, bandages, splints, and taping.
64. INSTRUCTOR'S COURSE IN FIRST AID. One hour credit.  
Continuation of courses 62 and 63, with emphasis on teaching first aid. American Red Cross Instructor's Certificate issued to those successfully completing course.
65. SENIOR LIFE SAVING. One hour credit.  
A short course held Tuesday and Thursday nights when sufficient number have met the prerequisites. Meets American Red Cross certificate requirements.
66. WATER SAFETY INSTRUCTOR'S COURSE. One hour credit.  
A short intensive course conducted by the American Red Cross field representative. Meets American Red Cross requirements.
67. INSTRUCTOR'S COURSE IN ACCIDENT PREVENTION. One hour credit.  
A short course for the teacher or layman in accident



- prevention. Meets American Red Cross certification requirements.
70. THEORY AND PRACTICE OF GYMNASTICS AND MATWORK (Men). Two hours credit.  
Fundamental skills on parallel bars, rings, side horse, horizontal bar, trampoline, and mats.
  71. THEORY AND PRACTICE OF MINOR SPORTS (Men). Two hours credit.  
Fundamental skill techniques in minor sports.
  73. THEORY AND PRACTICE OF BASKETBALL (Men). Two hours credit.  
Fundamental skill techniques in basketball.
  74. THEORY AND PRACTICE OF BOXING AND WRESTLING (Men). Two hours credit.  
Fundamental skill techniques in boxing and wrestling.
  75. THEORY AND PRACTICE OF TRACK AND BASEBALL (Men). Two hours credit.
  76. THEORY AND PRACTICE OF FOOTBALL (Men). Two hours credit.  
Fundamental skill techniques in football.
  77. AQUATICS AND WATER SAFETY (Men). Two hours credit.  
Water front and pool activities, safety procedures and techniques of teaching swimming.
  80. BODY MECHANICS AND MINOR INDIVIDUAL SPORTS (Women). Two hours credit.  
Individual analysis of posture; exercises prescribed for individual needs; instruction and practice in doing every day movements with maximum efficiency. Techniques in the skills of minor individual sports.
  81. TECHNIQUES OF VOLLEYBALL AND BASKETBALL (Women). Two hours credit.  
Fundamental skills, team play, rules and techniques.
  82. TECHNIQUES OF HOCKEY AND SOCCER (Women). Two hours credit.  
Fundamental skills, team play, rules and techniques.
  83. TECHNIQUES OF SWIMMING (Women). Two hours credit.  
Beginning, intermediate, and advanced swimming. Fundamental skills in swimming and diving.



84. TECHNIQUES OF TENNIS AND SOFTBALL (Women). Two hours credit.  
Fundamental skills, team play, rules and techniques.
85. TECHNIQUES OF TUMBLING (Women). Two hours credit.  
Fundamental skills and techniques in tumbling and matwork.
90. TECHNIQUES IN FOLK DANCING. Two hours credit.  
A presentation of the materials and methods necessary for teaching folk dances of the different countries.
91. TECHNIQUES IN TAP DANCING AND COMPOSITION. Two hours credit.
92. AMERICAN SQUARE AND SOCIAL DANCE. Two hours credit.  
Fundamental skills, methods and materials necessary in the teaching of square and social dance. Practical experience in organizing and conducting square dances.
93. TECHNIQUES IN MODERN DANCE. Two hours credit.  
Techniques in Modern Dance. The analysis and techniques of movement qualities and their use in relation to time and space.
94. USE OF MUSIC IN THE DANCE. Two hours credit.  
A study of the history of music for the dance, of musical and dance forms, experience in composition in these forms and the use of music as dance accompaniment.
95. PROBLEMS IN TEACHING THE DANCE. Two hours credit.  
The compilation and presentation of teaching units using progression in techniques for folk, tap, social and modern dancing.
- 120a. ANATOMY AND PHYSIOLOGY. Four hours credit.  
The study of structure and function of the human body, including digestive, circulatory, respiratory, reproductive, nervous, excretory and endocrine systems.
- 120b. ANATOMY AND PHYSIOLOGY. Two hours credit.  
Continuation of Health 120a.
122. KINESIOLOGY. Four hours credit.  
This course gives detailed work on the skeletal and muscular systems. Advised especially for students interested in going into physical therapy work.





129. TEACHING OF SPORTS FOR WOMEN. Two hours credit each quarter.  
 a, A consideration of the basic techniques of fall, winter and  
 b, spring sports, emphasizing teaching procedures.  
 c.
161. COACHING OF FOOTBALL. Two hours credit.  
 The techniques and strategy of coaching football with emphasis upon type of formations defense, play series, rules and football coaching in general.
162. COACHING OF BASKETBALL. Two hours credit.  
 Theory and practice in scouting, charting, scoring, timing, and officiating. Principles of successful modern offensive and defensive play. Procedures in developing and utilizing playing personnel.
163. COACHING OF TRACK AND FIELD. Two hours credit.  
 A study of the techniques of coaching the various events in track and field. The rules and the methods of conducting track meets.
164. COACHING OF BASEBALL. Two hours credit.  
 Techniques and procedures in developing individual and team play. Defensive baseball: pitching, catching, infielding, outfielding, strategy. Offensive baseball: batting, base-running, strategy.
180. ATHLETIC TRAINING. Four hours credit.  
 This course gives the fundamental training room equipment needed, setting up exercises for the prevention of injuries, diagnosis, treatment and care of injuries, and special information such as diet and effects on the athlete of the various sports, dextrose, alcohol and tobacco, colds, etc.

#### Home Economics

183. Home Nursing. Four hours credit.  
 The chief purpose of this course is to develop the ability to give a simple type of nursing care to a sick person in the home. The principles of care are stressed and nursing procedures demonstrated and practiced. Meets requirements for Red Cross Home Nursing Certificate.
202. SCHOOL HEALTH EDUCATION. Four hours credit.  
 Methods and materials in teaching for health on all levels of the public schools. Discussion of content materials to



be used at various age levels. Methods of presenting the content, lesson planning, analysis of school environment, health service, and general curriculum as related to health instruction.

205. EVALUATION AND SELECTION OF HEALTH EDUCATION MATERIAL. Four hours credit.  
A study is made of published material in the field of health to determine its scientific accuracy and its value for the teachers or for the learner. Visual and other types of health material are analyzed. Examination is made of various media for disseminating health information.
206. HEALTH COUNSELING. Four hours credit.  
Identification of physical, mental, emotional and social health problems; remedial procedures; counseling techniques; handling of confidential records; health aspects of educational and vocational guidance and related problems. Primarily for teachers of health and physical education.
207. THE FUNCTION OF THE SCHOOL IN SOCIAL HYGIENE AND FAMILY RELATIONS. Four hours credit.  
A consideration of the hygienic implications of those social contacts that are particularly influenced by sex.
208. COMMUNITY HYGIENE AND SANITATION. Four hours credit.  
The fusion of the sanitation division primarily within local agencies, but also as related to state and national sanitation.
- Ed. 228a. MENTAL HYGIENE AND PERSONALITY DEVELOPMENT. Four hours credit.  
A general non-technical course designed to give an understanding of the principles and problems of good mental health, and the effects of improper adjustments on personality development with suggested preventive and remedial procedures.
230. CAMP LEADERSHIP. Three hours credit.  
A comprehensive course for the preparation of teachers and college students for probable service in camps.
232. PROBLEMS OF INDIVIDUAL GYMNASTICS. Four hours credit.  
The science of muscular action in relation to posture defects and treatment.



234. TRENDS IN PHYSICAL EDUCATION AND RELATED FIELDS.
235. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. Four hours credit.  
A study of the history of Physical Education from the times of the Greeks through to the present time, followed by the basic foundations and principles upon which the profession is built.
255. MODERN DANCE TECHNIQUES. Four hours credit.  
Basic work and movement analysis including laboratory work in composition.



256. MUSIC IN THE MODERN DANCE. Four hours credit.  
The techniques of playing percussion instruments, with compositions of rhythmic studies for such instruments, and a more advanced study of musical form and analysis in relation to dance.
267. ADVANCED TECHNIQUES IN THE TEACHING OF SPORTS TO GIRLS. Four hours credit.  
A course in advanced teaching and officiating of girls' sports.
269. ORGANIZATION AND ADMINISTRATION OF A PHYSICAL EDUCATION PROGRAM FOR GIRLS. Four hours credit.  
A course dealing with all problems concerning the girls' physical education program. It deals mostly with secondary level.
270. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Four hours credit.  
Covers the organization of physical education and athletics from equipment to records on the high school level. Aims and objectives, management of athletics, the physical plant, intramurals and administrative policies.
- ±271. SAFETY EDUCATION. Four hours credit. (Education)  
Comprehensive course for probable administrators of safety programs in public schools.
272. RECREATION LEADERSHIP. Four hours credit.  
Readings, reports and projects covering the philosophy, methods, and materials for the recreation leader.
275. METHODS AND MATERIALS OF DRIVER EDUCATION. Four hours credit.  
This course emphasizes the underlying characteristics and psychology of drivers, the development of laws and the basic principles of automobile driving and operation.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and techniques of research in the area of the graduate major. This course is required of all first quarter graduate students who intend to receive the degree of Master of Arts.
304. ORGANIZATION AND ADMINISTRATION OF SCHOOL HEALTH PROGRAMS. Four hours credit.





Survey of school programs including organization, administration, supervision, personnel, curriculum, equipment and finance; grades of school health services and interrelationships; testing and evaluation techniques; developmental programs in health education; legal aspects.

308. ORGANIZATION AND ADMINISTRATION OF PUBLIC HEALTH PROGRAMS. Four hours credit.  
A discussion of the world health organization and its implications in international public health, administration and control of communicable disease, sanitation problems, and disease reporting in the international field.
310. SEMINAR IN HEALTH EDUCATION. Four hours credit.  
Intensive consideration to individual student problems as related to the various areas of the field.
312. TESTS AND MEASUREMENTS. Four hours credit.  
A survey of tests and measures in health and physical education, their uses and methods of construction, and presentation of necessary statistical material for test interpretation.
325. PHYSIOLOGY OF EXERCISE. Four hours credit.  
Effects of muscular activities on the various systems and organs of the body.
336. KINESIOLOGY OF INDIVIDUAL GYMNASTICS. Four hours credit.  
A study of the bones and muscles of the body and the application to a program in posture training.
338. NATURE AND FUNCTION OF PLAY. Four hours credit.  
The extent, need and functions of play, the theories of play, the nature of play, development of the play movement, qualifications and development of play leaders, and recent trends in the play movement.
340. CURRICULUM IN PHYSICAL EDUCATION. Four hours credit.  
Principles involved in curriculum making; the necessity of a comprehensive curriculum; and the formation of a progressively graded curriculum.



341. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION IN THE PUBLIC SCHOOLS. Four hours credit.  
Designed to develop effective procedures concerning teaching, organization, a demonstration, and supervision in the field of physical education in relation to the whole school program. Includes the utilization, planning, and care of equipment; the planning of time and space, of leadership and pupil organization.
342. SUPERVISION OF PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL. Four hours credit.  
The place of a physical education supervisor in the elementary school administrative organization.
355. ADVANCED TECHNIQUES AND COMPOSITION FOR THE MODERN DANCE. Four hours credit.  
A continuation of Health 255 stressing problems in composition to be presented in performance before an audience.
356. WORKSHOP IN MODERN DANCE. Four hours credit.  
Problems connected with the staging of dance performances.
375. CURRICULUM IN RECREATION. Four hours credit.  
This course is designed to explore the problems in the field of recreation and determine the significance of the problems upon curricula in recreation.
377. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION. Four hours credit.  
This course deals with the complete organization and administration of the community recreation program. It treats the ten essential areas of this subject such as: The Fact Finding Survey, legal aspects, municipal organization, organization recreation department, financing, records and reports, publicity, cooperation and relationships, leadership, program.



## DIVISION OF THE HUMANITIES

1. FIRST COURSE IN THE HUMANITIES. Four hours credit.  
A systematic historical study of the great philosophic ideas from Greek times to the present. These ideas are developed from a study of the literature, painting, sculpture, architecture and music of the periods studied. This course is further designed to develop active creative interests in the arts.
2. SECOND COURSE IN THE HUMANITIES. Four hours credit.  
Continuation of Humanities 1.
3. THIRD COURSE IN THE HUMANITIES. Four hours credit.  
Continuation of Humanities 2.

### English

- 4a. ELEMENTARY ENGLISH COMPOSITION. Four hours credit.  
The basic needs for correct, acceptable usage in writing, with practice in written expression.
- 4b. ELEMENTARY ENGLISH COMPOSITION. Four hours credit.  
Continuation of English 4a.
50. SHAKESPEARE'S EARLIER DRAMAS. Two hours credit.  
Chronological survey of comedies, histories, and tragedies through Hamlet.
51. SHAKESPEARE'S LATER DRAMAS. Two hours credit.  
A continuation of English 50; the remaining plays of the Shakespeare canon after Hamlet, with a discussion of the apocryphal plays.
52. THE RESTORATION AND EIGHTEENTH CENTURY. Two hours credit.  
A study of major writers of the period with attention to their influence on subsequent ideas and literary forms.
53. THE ROMANTIC MOVEMENT. Two hours credit.  
The development of English Romanticism; its social and philosophical backgrounds. Wordsworth, Coleridge, Byron, Shelley, and Keats; with some consideration of the essayists and minor poets.
54. TENNYSON AND BROWNING. Two hours credit.  
A study of the lyrics and certain of the longer poems of two of the major Victorian poets, and of their relation to the life of the times.



55. CONTEMPORARY BRITISH LITERATURE. Two hours credit.  
British literature between the wars and to the present day.  
Consideration of how the main currents in British life and  
thought have determined its direction.
56. HISTORY OF IDEAS IN ENGLISH LITERATURE. Two hours credit.  
An examination of the principal ideas which shaped the  
literature of England from Chaucer to the present. Sources  
and comparative movements are traced. Both subject matter  
and technique are considered.
- 58a. SURVEY OF ENGLISH LITERATURE (700-1800). Four hours  
credit.  
Comprehensive readings in English literature following its  
development from Beowulf to Blake.
- 58b. SURVEY OF ENGLISH LITERATURE (1800-1945). Four hours  
credit.  
Comprehensive readings in English literature following its  
development from Wordsworth to Waugh.
- 58c. SURVEY OF AMERICAN LITERATURE. Four hours credit.  
Reading of major writers from the beginning to the present  
with particular attention to democratic values.
60. AMERICAN LITERATURE TO THE CIVIL WAR. Four hours credit.  
A study of a body of American literature produced in the  
17th, 18th and 19th centuries for English majors. The  
course includes textual criticism of the major works.
61. AMERICAN LITERATURE SINCE THE CIVIL WAR. Four hours credit.  
A study of American literature in the late 19th and 20th  
centuries. English 60 is a prerequisite. The course  
includes reading and criticism of important writers.  
Required of English majors.
101. NEWS WRITING FOR HIGH SCHOOL TEACHERS OF JOURNALISM. Four  
hours credit.  
Study of the techniques of writing straight news stories,  
feature stories, and columns.
101. TECHNIQUES OF NEWSWRITING. One hour credit.  
a, Practice in journalistic writing with actual experience on  
b, the college newspaper.  
c,





110. CREATIVE WRITING. Two hours credit.  
Opportunity to write creatively under criticism with emphasis upon the individual's own purposes and experiences.
- 124a. JOURNALISM - THE SCHOOL NEWSPAPER AND ANNUAL. Two hours credit.  
Instruction in the fundamentals of publishing a school newspaper and annual. Stress is placed upon the mimeographed newspaper.
126. LITERATURE AND MATERIALS IN SECONDARY SCHOOLS. Four hours credit.  
Materials for teaching English in secondary schools. Principles for the selection of literature for high school pupils, and critical study of selected readings.
201. JOURNALISM - THE SCHOOL NEWSPAPER AND ANNUAL. Four hours credit.  
Instruction in all phases of preparation and publication of school newspapers and annuals.
210. ADVANCED COMPOSITION. Four hours credit.  
A course intended for graduates to increase competence in expository writing. Special emphasis will be placed upon English style form standards for the term or research paper. Attention will be given to footnotes, bibliography, methods of library research, manuscript form and style.
211. THE ENGLISH LANGUAGE. Four hours credit.  
The course presents a history of the development of the English language, the historical basis of usage and grammar, the sources of the English vocabulary, and the problem of communication.
221. LITERATURE IN THE ELEMENTARY SCHOOL. Four hours credit.  
Required of elementary majors. A survey of children's literature that is appropriate for grades through the sixth. Chief emphasis on modern selections. Consideration of interests and abilities governing the choice of literature in the first six grades.
231. THE SHORT STORY. Four hours credit.  
The study of typical modern short stories to observe the methods of modern writers and the interpretation of our present-day life embodied in this form of literature.



232. THE DEVELOPMENT OF THE NOVEL. Four hours credit.  
Students read novels showing changes from the 18th century to the present. The range of subject-matter is emphasized, as well as effectiveness of construction and worth of content.
233. THE CONTEMPORARY NOVEL. Four hours credit.  
The form and content of representative novels of recent decades as expressions of present-day points of view.
235. CONTEMPORARY AMERICAN DRAMA. Four hours credit.  
A comprehensive view of the best dramatic literature of the modern American theater: lectures, discussions, and readings from a selected list of contemporary dramas.
239. THE FORMS AND MEANING OF POETRY. Four hours credit.  
A study of some of the formal aspects of poetry (prosody, stanzaic and "named" forms, and the like), of types (lyric, narrative, dramatic), and of the poets' use of language.
- 255c. ELIZABETHAN DRAMA EXCLUSIVE OF SHAKESPEARE. Four hours credit.  
The drama from 1585 to 1642; the major dramatists, stage conditions, acting companies, and changes in dramatic form and subjects reflecting the life of the times.
- 289a. LITERATURE OF THE OLD TESTAMENT. Four hours credit.  
A study of the Old Testament writings to develop an appreciation of their literary value. Study is made of the historical background of the various writings, and the ideas that were developed by the writers.
- 289b. LITERATURE OF THE NEW TESTAMENT. Four hours credit.  
A study of the New Testament writings, the period in which they were written and the ideas that were developed by the writers.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and techniques of research in the area of the graduate major. This course is required of all first quarter graduate students who intend to receive the degree of Master of Arts.
301. BRITISH LIFE AND LITERATURE SINCE 1920. Four hours credit.  
Special study of Joyce, Lawrence, Forster, Huxley, Virginia



Woolf, and T. S. Eliot. Contemporary literature related to other features of British life.

302. THE AMERICAN CRITICS. Four hours credit.  
A seminar for graduate students in theory and practice of criticism of literature in America. The major critics and the recognizable "schools" are analyzed.
303. RECENT ENGLISH AND AMERICAN POETS. Four hours credit.  
A history of recent poetry in English, from the Imagistes to the present.
304. THE GREEK DRAMA. Four hours credit.  
A study of the dramas of Aeschylus, Sophocles, Euripides and Aristophanes to note the development of dramatic technique and the developing ideas from the beginnings of classicism, through the golden age, to decadence.
305. PROLETARIAN LITERATURE. Four hours credit.  
A study of the backgrounds and major developments of Proletarian Literature in the United States; novel, essay, poetry, criticism.
312. OLD ENGLISH. Four hours credit.  
Anglo-Saxon grammar and vocabulary. Reading of important documents from the period--Alfred's Translations, Charters and Historical Documents, Anglo-Saxon poetry, etc. Emphasis on background for contemporary grammar.
313. CHAUCER AND MIDDLE ENGLISH. Four hours credit.  
Writings of Geoffrey Chaucer (especially The Canterbury Tales and Troilus and Cressida) in Middle English; selected writings to illustrate both the literary qualities and linguistic aspects of Middle English.
322. INDIVIDUAL STUDIES IN ENGLISH. Credit hours by arrangement, four hours maximum.  
Qualified students outline definite problems and present a typewritten paper.
399. THESIS. Eight hours credit.



## Foreign Language

222. INDIVIDUAL STUDIES IN FOREIGN LANGUAGE. Four hours credit. Individual readings and written reports, with regular conferences, in any subject the student may select, in any foreign language offered in the college (French, German, Italian, Latin, Spanish).
231. THE TEACHING OF FOREIGN LANGUAGES. Four hours credit. A study of problems in the teaching of foreign languages at the secondary school level. Includes development of content for courses of study, organization of learning materials, procedures in teaching, testing and evaluation.

## Foreign Language

## French

1. ELEMENTARY FRENCH. Four hours credit each quarter.
2. Introduction to spoken and written French, with emphasis
3. on oral work. Principles of pronunciation and grammar:





exercise in speaking, reading and writing. Credit is not given until the three quarters are completed.

5. INTERMEDIATE FRENCH COMPOSITION. Four hours credit. Grammar review, study of idioms, imitative composition. Drill in use of the phonetic alphabet. Prerequisite, two years of high school French or one year of college French.
6. INTERMEDIATE FRENCH READING AND CONVERSATION. Four hours credit. A study in French of French political and cultural history, with lectures, reading and conversation. (This course may be taken without having had French 5.)
7. INTERMEDIATE FRENCH FICTION. Four hours credit. Short stories and plays, conversation based on the reading. (This course may be taken without having had French 5 or 6.)
205. SURVEY OF FRENCH LITERATURE. Four hours credit each
206. quarter.
207. A study of French literature from the 11th century to the present. Lectures, reading, recitation and individual reports in French. Each course may be taken independently. French 205 - Medieval and Renaissance Literature; 206 - Classicism; 207 - Romanticism and Modern Literature.
225. EIGHTEENTH CENTURY FRENCH LITERATURE. Four hours credit. Literature, society and trends of thought in 18th century France. Readings, lectures and discussion in French.
226. FRENCH ROMANTICISM. Four hours credit. The Romantic movement in France in relation to the movement elsewhere in Europe. Readings, lectures and discussion in French.
227. TWENTIETH CENTURY FRENCH LITERATURE. Four hours credit. Lectures in French on writers and literary trends of this century, with extensive individual readings and reports.

Foreign Language  
German

1. ELEMENTARY GERMAN. Four hours credit each quarter.
2. The course aims to develop the ability to speak practical
3. German accurately and fluently, and to read the language in



direct comprehension. In the last quarter the reading is differentiated to suit individual purposes and may include simple scientific German. Credit is not given until the three quarters are completed.

5. INTERMEDIATE GERMAN COMPOSITION. Four hours credit. Review of grammar; imitative composition, oral drill.
6. INTERMEDIATE GERMAN READING AND CONVERSATION. Four hours credit. Reading of modern German fiction, with conversation based on the reading. (This course may be taken without having had German 5.)
7. INTRODUCTION TO GERMAN CLASSICS. Four hours credit. Reading and discussion of one classical play and short poems of the classical period.

Foreign Language  
Italian

1. ELEMENTARY ITALIAN. Four hours credit each quarter.
2. A three-quarter sequence designed especially for music students, with emphasis on pronunciation and vocabulary, particularly musical terms. Basic grammar, simple reading and conversation. No credit is given until three quarters are completed.

Foreign Language  
Latin

1. ELEMENTARY LATIN. Four hours credit each quarter.
  2. A terminal course designed especially for students who wish Latin as background for the study of English and other modern languages, for science and the professions. Emphasis is on vocabulary, work derivation, comparative grammar. No credit is given until three quarters are completed.
  5. INTERMEDIATE LATIN. Four hours credit.
  6. Reading of an anthology containing selections of intermediate grade, accompanied by constant intensive grammar review.
  7. Each course may be taken independently.
205. SURVEY OF LATIN LITERATURE. Four hours credit.
  206. A chronological study of Latin literature of the classical period covering five centuries. Each course may be taken independently.
  - 207.



Foreign Language  
Spanish

1. ELEMENTARY SPANISH. Four hours credit each quarter.
2. Three-quarter sequence in the basic elements of Spanish,
3. through the aural-oral conversational approach; intensive and extensive use of oral-aural materials; writing and reading exercises; the use of audio-visual aids and devices to provide practical materials for pronunciation comprehension, adequate construction and fluency of expression in the language.
  
5. INTERMEDIATE SPANISH. Four hours credit.  
Review of the basic principles of the language. Aural-oral orientation through oral and written composition, conversation and audio-visual aids; stressing normal fluency and readiness in the use of Spanish in ordinary communication.
  
6. INTERMEDIATE SPANISH. Four hours credit.  
A continuation of Spanish 5 but emphasizing more intensive reading, oral reports, advanced composition and extensive conversation based on Spanish and Spanish-American area.
  
7. INTERMEDIATE SPANISH. Four hours credit.  
A continuation of Spanish 6. Based on Spanish-American cultural materials, sources, films, audio-visual materials and a higher level of all-around comprehension and fluent functional use of the language and culture.
  
105. SURVEY OF SPANISH LITERATURE. Four hours credit.  
An introduction and orientation to Spanish Literature through reading and discussing appropriate materials designed for students beginning the advanced level. The materials portray the developments of literary and social ideas prevalent at various periods in the national life of Spain. Some English is used, when necessary, to interpret more accurately the significance; otherwise, Spanish is the language of the course. It is not a translation course.
  
106. SURVEY OF SPANISH LITERATURE. Four hours credit.  
Organized as a basic course, illustrating important periods and various genres of Spanish Literature by notable authors. The literary language of the representative samples selected is generally modernized to enable the student to understand it and to form critical opinions as well as to appreciate



good writings as literature. Conducted in Spanish. Spanish 105 is not a prerequisite.

107. SURVEY OF LATIN-AMERICAN LITERATURE. Four hours credit. A general survey of Spanish-American Literature and some of its underlying history. This course completes the series of Spanish 105, 106 and 107. It presents a comprehensive view of the literature of the Spanish-speaking world at various periods of time and is designed to provide the student with sufficient basic information and sources for him to use for practical purposes.
175. SPANISH READING. Four hours credit. Designed to fit the reading abilities and interests of various members. Class meets two days a week for intensive reading. Extensive outside reading is reported in conference.
209. SPANISH-AMERICAN LITERATURE. Four hours credit. This course is designed to serve advanced students and teachers of Spanish. It consists of an Anthology of Latin American Literature, in Spanish, and a brief reference outline of the history of literature in English up to date. Readings, discussions, and reports are in Spanish.
- 209b. LATIN-AMERICAN CULTURAL PATTERNS AND CIVILIZATION. Four hours credit. A course designed to give basic information about Latin America to prospective teachers of foreign languages or education and social science subjects relevant to the Latin American field. It consists of a study of the native cultural patterns of Latin America pre- and post-European invasion; of the inter-acting influences and the results of fusions; of the creation of new forces and patterns bringing about a new role for Latin America in world life.
- 216  
ab ADVANCED SPANISH READING IN LITERATURE. Four hours credit. This study of Spanish literature is divided into two parts: one quarter is devoted to each part. 216a--from the beginning to 1700, including the Golden Age. 216b--from 1700 to the contemporary. A brief analysis of the history of Spanish literature and important literary productions. Special readings of various types of literature; oral and written reports and discussion. Conducted in Spanish.





## Speech

5. FUNDAMENTALS OF SPEECH. Four hours credit.  
This is a basic course in speech designed to aid the student in acquiring ease, poise, and effectiveness in speech.
16. VOICE AND DICTION. Four hours credit.  
Provision for individual differences of each student with regard to voice difficulties.



- 18a. DEBATE. Two hours credit for two quarters.  
A basic course designed to give the speaker experience and skill in debating.
- 18b. ADVANCED DEBATE. Two hours credit.  
Primarily for those students participating in campus and intercollegiate program in discussion and debating.
62. EXTEMPORE SPEECH. Four hours credit.  
Experience in speaking to groups of people. Emphasis is placed on the preparation and organization of the speech.
63. FIRST COURSE IN DRAMA. Four hours credit.  
An introduction to the basic principles of acting and dramatic production.
65. FIRST COURSE IN SCENE DESIGN. Four hours credit. (Fine Arts)  
An introductory course in the fundamentals of scene design and stagecraft. The study includes the basic principles of design and color and their application to scenic design.
112. CHILDREN'S THEATER. Four hours credit.  
A lecture and laboratory course in dramatics for elementary and secondary school teachers. Contribution of creative dramatics to education. Demonstration of procedure best adapted to work in children's dramatics.
114. INTRODUCTION TO THE THEATER. Four hours credit.  
A lecture and laboratory course in all aspects of play production. Attendance at rehearsals for campus productions required.
115. THEATER WORKSHOP (Advanced Characterization). Four hours credit.  
A lecture and laboratory course in characterization in which the student participates in college theater productions.
116. THEATER WORKSHOP (First Course in Play Direction). Four hours credit.  
A lecture and laboratory course in the principles of direction in which student participates in college theater productions.
117. ORAL INTERPRETATION. Four hours credit.  
The student is given an opportunity to read aloud in all



the forms of literature and is aided in gaining skill in an artistic presentation.

125. TEACHING SPEECH IN THE SECONDARY SCHOOLS. Four hours credit.  
A study of objectives, problems, resources, and projects in the teaching of speech in junior and senior high schools.
164. INTRODUCTION TO REMEDIAL SPEECH. Four hours credit.  
A general orientation to the problems of speech defectives and their defects: types, causes, remedial therapy.
200. TECHNIQUES OF PLAY DIRECTION. Four hours credit.  
An advanced course in the direction of three-act and one-act plays for public presentation.
- 208b. RADIO SPEAKING. Four hours credit.  
This course gives an understanding and some measure of skill in utilizing the radio in the classroom auditorium. Problems of radio production and radio appreciation are discussed.

#### Education

- 208f. Workshop in Radio Production (Advanced Course). Four hours credit.  
Additional work with radio speaking, acting, and special emphasis on script writing and production of educational radio programs. Laboratory work and broadcasts over local stations required of all students.
214. SUMMER THEATER WORKSHOP. Four hours credit.  
Practical experience in acting and other aspects of theater work in the six productions done by the summer theater. Discussion, lecture, and laboratory procedures used.
215. DIRECTING HIGH SCHOOL AND COMMUNITY PLAYS. Four hours credit.  
Reading, discussion and projects dealing with the practical problems faced in the direction of dramatic productions in high schools and in community theaters.
217. ADVANCED ORAL INTERPRETATION. Four hours credit.  
The development of greater skill in reading various forms of literature.



218. DISCUSSION TECHNIQUES. Four hours credit.  
Principles and practice in organizing, conducting, and participating in all forms of public discussion including round-tables, symposiums, debates and forums.
220. CRITICAL THINKING. Four hours credit.  
A study of evidence, reasoning, semantics, beliefs and prejudice as they affect thought processes involved in all forms of oral and written discourse.
221. ADVANCED SCENE DESIGN. Four hours credit. (Fine Arts)  
A study of the techniques and problems of scenic design. The esthetic, as well as the practical problems of the designer are presented. Settings, properties, costuming, and lighting are practiced within the theater laboratory.
250. SPEECH EDUCATION. Four hours credit.  
A seminar study of practices and trends in speech education in elementary and secondary schools.
252. BUSINESS AND PROFESSIONAL SPEAKING. Four hours credit.  
Designed particularly to give school administrators instruction and practice in organizing and presenting speeches which they are called upon to make in connection with their professional positions.
265. THE CORRECTION OF SPEECH DISORDERS. Four hours credit.  
A study of the manifestations and causes of speech disorders with emphasis on the methods and materials of re-education. Laboratory work in the speech clinic required as part of the course.
266. TECHNIQUES AND INTERPRETATION OF AUDIOMETRIC TESTS. Four hours credit.  
Principles of, and experience in, the administration of hearing tests; the planning and organization of hearing-testing programs for hearing conservation; evaluation and test results; study of the hearing mechanism.
270. THE PSYCHOLOGY OF SPEECH. Four hours credit.  
A study of the nature and origin of speech; the relationship of speech to emotion, learning, meaning and thought; the development of speech in the child; speech and personality.
375. PHONETICS. Four hours credit.  
The science of speech sounds with special application to the





use of phonetics in speech instruction in elementary and secondary schools.



## DIVISION OF MUSIC

- 2a. SIGHT SINGING AND NOTATION. Three hours credit.  
Sight reading of standard music materials, pitch and rhythmic dictation, symbols of music notation, staff, clefs, scale construction in major and minor keys, and intervals.
- 2b. SIGHT SINGING AND ELEMENTARY THEORY. Three hours credit.  
Continuation of sight reading, ear-training, and dictation; elementary theory to include study of intervals and inversions, triads and inversions, construction of principle and secondary chords, melody writing and elementary form study.
- 2c. SIGHT SINGING AND HARMONIC ANALYSIS. Three hours credit.  
Continuation of sight reading, ear-training and dictation; chords of seventh and ninth, cadences, analysis and ear-training of standard harmonic material.
21. INSTRUMENTAL ENSEMBLE. One hour credit.  
An opportunity to study literature and performance of woodwind quartet, string quartet, string trio, brass ensemble, and other small instrumental groups.
22. VOCAL ENSEMBLE. Two hours credit.  
Vocal ensembles to include men's glee club, women's glee club, trios and quartets, groups organized are based upon the talents and interests of the students.
30. INDIVIDUAL VOICE INSTRUCTION. One hour credit.
31. INDIVIDUAL INSTRUCTION IN PIANO. One hour credit.
32. INDIVIDUAL INSTRUCTION IN STRINGED INSTRUMENTS. One hour credit.
33. INDIVIDUAL INSTRUCTION IN ORGAN. One hour credit.
34. INDIVIDUAL INSTRUCTION IN PERCUSSION INSTRUMENTS. One hour credit.
35. INDIVIDUAL INSTRUCTION IN WOODWIND INSTRUMENTS. One hour credit.
- 50a. INTRODUCTION TO MUSIC EDUCATION. Two hours credit.  
An introduction course for prospective teachers of music covering the place of music in the school program, recent trends in school music, the qualifications of the music teacher, and a consideration of beginning instructional problems.



- 50b. INTRODUCTION TO MUSIC EDUCATION. Two hours credit.  
A continuation of Music 50a, methods and materials for the teaching of singing, music reading and related skills, music listening, and rhythm in the public school music program.
- 50c. INTRODUCTION TO MUSIC EDUCATION. Two hours credit.  
A continuation of Music 50a and 50b. A study of lesson planning, and classroom techniques in the teaching of music reading, appreciation, creative music, music listening, and rhythm. Techniques in conducting high school music activities.
- 52a. HARMONY. Three hours credit.  
A structural harmony unit of scales, intervals, triads and their inversions. Correlated studies in ear-training, dictation, sight singing and composition are given.
- 52b. HARMONY. Three hours credit.  
A structural harmony unit consisting of seventh chords, inversions, ninth chords and modulations. Correlated studies of ear-training, dictation, sight singing and composition are given.
- 52c. HARMONY. Three hours credit.  
A structural unit of chromatic harmony. A study is made of altered chords, embellishing chords and all modulations. Original composition is stressed.
54. KEYBOARD HARMONY. Two hours credit.  
For classroom teachers of elementary music, and others who teach school music to children. The primary objective of the course is to help the student learn to put simple accompaniments to songs for children when given the melody only.
- 58a. HISTORY OF MUSIC. Two hours credit.  
A study of the historical changes in music from earliest times to the sixteenth century ending with analysis of the great church works of Palestrina.
- 58b. HISTORY OF MUSIC. Two hours credit.  
A survey of the period from Palestrina to 1800 with emphasis on the changes caused by the Reformation and the development of instruments and ending with a study of the works of Beethoven.



- 58c. HISTORY OF MUSIC. Two hours credit.  
A survey of the musical development from Beethoven to the contemporary composers.
141. MARCHING BAND. One hour credit.  
Open to all students, regardless of major field, who have had high school band experience. A study and practice of the fundamentals of drill and presentation of marching maneuvers and pageants at athletic events. Satisfies physical education requirement for fall quarter.
142. CONCERT ORCHESTRA. One hour credit.  
The standard orchestral literature is performed. The materials used in high school organization is thoroughly discussed with especial emphasis devoted to content and festival programs.
143. CONCERT BAND. One hour credit.  
Open to all students who demonstrate sufficient performing ability. To study, rehearse and present advanced forms of concert and symphonic band literature.
144. MIXED CONCERT CHOIR. One hour credit.  
To acquaint students with the best in chorus literature, both a capella and accompanied, oratorio, mass and operatic literature.
145. MEN'S CONCERT CHOIR. One hour credit.  
Organized as a college glee club, designed to produce standard men's chorus music and designed to function as a performance group.
146. WOMEN'S CONCERT CHOIR. One hour credit.  
Organized as a college glee club, designed to produce standard women's chorus music and designed to function as a performance group.
- 148a. MUSIC FOR ELEMENTARY TEACHERS. Four hours credit.  
A comprehensive study of the rudiments of music, gauged to fit the needs of the classroom teacher who wishes to teach her own music. Practice is given in simple ear training, music writing through dictation, rhythm work, syllable reading and group singing.
- 148b. MUSIC FOR ELEMENTARY TEACHERS. Four hours credit.  
A continuation of the fundamentals of music begun in 148a,





intensified and elaborated upon. More difficult ear training, music dictation, syllable reading and rhythmic problems are given. A study is made of scales, intervals and chords. Each member learns to play the Tonette or some similar instrument.

149. MUSIC METHODS AND MATERIALS FOR ELEMENTARY TEACHERS. Four hours credit.  
A complete music methods course for the classroom teacher. Problems of the child voice, singing, ear training, rhythm and note reading are studied and clarified. Music appreciation for each grade is discussed and records suggested. A repertoire of children's songs is built up through the quarter.
151. PRINCIPLES OF PIANO TEACHING. Three hours credit.  
Observation of teaching procedures. Piano teaching experience provided. Analysis of specific problems. Music reading-readiness. Combining ear-training and theory with piano lessons. Criteria for choosing materials.
- 152a. COUNTERPOINT. Two hours credit.  
A study of the five species of strict counterpoint through three parts (or voices) with special emphasis on the treatment of dissonances and suspensions.
- 152b. COUNTERPOINT. Two hours credit.  
A continuation of Music 152a through four parts (or voices). This study includes an analysis of the church modes and the techniques of Palestrina, Bach and others.
- 152c. COUNTERPOINT. Two hours credit.  
The writing of canon and fugue, construction of episodes, sequences, strettos and form as it appears to contrapuntal writing.
- 153a. INSTRUMENTATION. Two hours credit.  
Thorough instruction in transposition and pitch range of instruments. Study of tone quality and blend, arranging for small group.
- 153b. INSTRUMENTATION. Two hours credit.  
How to arrange a full score. He learns by doing under supervision.



- 153c. INSTRUMENTATION. Two hours credit.  
More orchestration; several full scores are made both for orchestra and band. Scoring done for accompaniment to chorus and solo instruments.
- 155a. INSTRUMENTAL CONDUCTING. Two hours credit.  
The use of the baton, the hands, and study of the various aspects of conducting.
- 155b. CHORAL CONDUCTING. Two hours credit.  
Actual practice in conducting under supervision; more individual attention.
156. SEMINAR IN PIANO LITERATURE. Two hours credit.  
To acquaint piano teachers and performers with repertoire. Traditional styles, techniques, and interpretations discussed and performed. Practical appliance of fundamental techniques to teaching and performance. Solo and ensemble playing.
- 199a. CLASS INSTRUCTION IN STRINGED INSTRUMENTS. Two hours credit.  
To develop a teaching knowledge of the characteristics of the strings, their resources, their difficulties and how best to overcome them. To study the basic principles of string performance and to acquire some technical facility by daily practice.
- 199b. CLASS INSTRUCTION IN WOODWIND INSTRUMENTS. Two hours credit.  
To develop a teaching knowledge of the instruments of the woodwind family, their possibilities, their functions in bands and orchestras, their difficulties and how best to overcome them. To acquire skill sufficient enough for demonstration.
- 199c. CLASS INSTRUCTION IN BRASS INSTRUMENTS. Two hours credit.  
To develop a teaching knowledge of brass instruments, their possibilities, their function in bands and orchestras, their difficulties and how best to overcome them. To acquire sufficient skill for purposes of demonstration.
- 199d. CLASS INSTRUCTION IN PERCUSSION INSTRUMENTS. Two hours credit.  
To develop a teaching knowledge of percussion instruments, their possibilities, their function in bands and orchestras,



their difficulties and how best to overcome them. To acquire sufficient skill for purposes of demonstration.

- 199e. CLASS INSTRUCTION IN VOICE. Two hours credit.  
For beginning voice students, particularly elementary majors and majors in instrumental music. Course includes fundamentals of singing, interpretation and solo repertoire.
210. MUSIC LITERATURE FOR ELEMENTARY GRADES. Four hours credit.  
Song literature for classroom use; the elementary school choir; materials for special music programs; elementary school operettas and cantatas; music for listening and rhythmic activities. Designed to meet the needs of both elementary classroom teachers and music supervisor.
211. IMPROVEMENT OF INSTRUCTION IN MUSIC READING. Four hours credit.  
A complete analysis of the program in music reading in the elementary grades. Includes an evaluation of basic methods and materials, curriculum building in music reading, and a survey of published materials suitable for classroom use.
212. MUSIC ACTIVITIES FOR CLASSROOM TEACHERS. Four hours credit.  
Activities in music for children requiring a minimum of musical skill on the part of the teacher. Includes a study of such activities as playing and reading music with simple melody instruments, the use of the autoharp for song accompaniment, the rhythm band, the construction of simple instruments, and the teaching of songs and rhythmic activities through the use of the phonograph.
213. PUBLIC PERFORMANCE WORKSHOP. Four hours credit.  
Types of music programs for school and community. Includes operetta materials and production, the cantata, the all-school musical, program building for the formal concert, public performance management, the music festival, and the church choir.
214. CHORAL LITERATURE. Four hours credit.  
A study of choral literature for high school and community groups. The mixed chorus, girls glee club, boys glee club, the small vocal ensemble, and literature for church chorus. All examples will be read by the class.
215. INSTRUMENTAL LITERATURE. Four hours credit.  
A study of instrumental literature for school groups. The



high school band and orchestra, material for class and individual instruction, and small instrumental ensembles.

216. METHODS AND MATERIALS FOR CLASS VOICE INSTRUCTION. Four hours credit.  
Organization of the voice class, a study of voice production problems, procedures and techniques of group instruction, and a review of song literature for group and solo work.
217. INSTRUMENTAL TECHNIQUES. Four hours credit.  
Techniques of playing instruments of the band and orchestra. Practical experience provided in (1) development of fundamental techniques in the playing of string, brass, woodwind and percussion instruments; (2) acquaintance with desirable literature for instructional purposes.
250. SEMINAR IN MUSIC EDUCATION. Four hours credit.  
A course designed for seniors who have completed student teaching. Each student will work independently on a problem occurring in his student teaching work. The class will be conducted as a seminar with reports and discussion of the students' problems.
251. TEACHING SECONDARY SCHOOL MUSIC. Four hours credit.  
General music in the junior high school, the changing voice, instruction and material for vocal ensembles, operetta production, the special music class in high school, and the improvement of music reading in high school music groups.
256. PSYCHOLOGY OF MUSIC. Four hours credit.  
The subjects included in this course are measurements of musical talent, tests and measurements in music, the psychology of musical listening and musical performance.
257. PHYSICS OF MUSIC INSTRUMENTS. Four hours credit.  
The objectives of this course are to develop an understanding of the physical principles involved in the production of music. Acoustics of rooms is also considered.
262. SYMPHONIC LITERATURE. Four hours credit.  
A study of the literature for the symphony orchestra from the time of Haydn and Mozart to the writings of present day composers, leading to an understanding and appreciation of the larger works in music.
267. PRINCIPLES OF PIANO TEACHING. Three hours credit.  
(See 151.)





- 270a. ADVANCED HARMONY AND FORM ANALYSIS. Four hours credit. Analysis and composition of primary forms. Irregular phrases and extension devices. Harmonization of melodies. Review of figured bass. Modulation. Non-chordal tones. Altered chords. Survey of homophonic forms.
- 270b. ADVANCED HARMONY AND FORM ANALYSIS. Four hours credit. Analysis and composition of the larger forms. History and development of sonata form. Rondo and variation forms. Survey of polyphonic forms. Free forms and style pieces.
274. TEACHING MUSIC APPRECIATION. Four hours credit. Developing a music listening program for schools covering methods of teaching, recorded materials, the construction of a grade by grade program, and a study of the published material about music suitable for elementary and high school students.
276. SURVEY OF AMERICAN MUSIC. Four hours credit. A comprehensive study of the music of our country and the people who have produced it, tracing the development of vocal and instrumental music from the time of the Puritans and Pilgrims to today. Some topics are folk music, symphony orchestra, jazz and new film music. For everyone, not musicians alone.
277. HISTORY OF MUSICAL THEORY. Four hours credit. The history of musical composition is traced from the early Greek scales to the modern usages of composers with special emphasis on the theoretical principles involved in this development.
- ±278. ADMINISTRATION AND SUPERVISION OF THE MUSIC PROGRAM. Four hours credit. (Education)  
A course designed to acquaint the school administrator with the problems of the administration and supervision of the music program. The content includes the place of music in the school program, music equipment, schedule, budget, instructional problems, and public relations in music.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit. A study of the literature and techniques of research in the area of the graduate major. This course is required of all first quarter graduate students who intend to receive the degree of Master of Arts.



305. SUPERVISING ELEMENTARY TEACHERS OF MUSIC. Four hours credit. Procedures for supervision and guidance of the elementary music program, cooperative curriculum building, lesson planning, the induction of the beginning teacher, and in-service education for the classroom music teacher.
306. TEACHER EDUCATION IN MUSIC. Four hours credit. The teacher education program in music including both the pre-service and in-service education of the elementary classroom teacher, the teachers college music curriculum, the administrator of college music, the junior college, and the music program in general education.
322. INDIVIDUAL STUDIES IN MUSIC. Maximum eight hours credit. An opportunity for the graduate student to carry on a research project of his own choice with the guidance of a faculty representative.
323. COMPARATIVE VOICE METHODS AND MATERIALS. Four hours credit. This course deals with all singing from the teaching and performing standpoint. Development of singing through the centuries identifying and evaluating contributions of the different schools of singing. Materials are supplied and evaluated for teaching purposes. Each student takes a private lesson per week in addition to four hours of classwork. Outside readings.
324. COMPARATIVE VIOLIN METHODS AND MATERIALS. Four hours credit. A discussion of the materials used in class and private violin teaching. The theories of the renowned masters of the past are compared with the most recent research in the art of teaching string instruments. Each student is required to write a designated paper on some subject appertaining to the subject of string instruments and the field of its teaching.
325. COMPARATIVE PIANO METHODS AND MATERIALS. Four hours credit. This course is designed for music majors and piano instructors of the graduate level. A thorough study of the leading methods, both past and present, are made along with studies of the basic fundamentals of piano teaching and techniques. Material for all levels of instruction are presented. Private lessons are required.



350. PRACTICAL ARRANGING. Four hours credit.  
A project course in arranging for school instrumental and vocal groups. Projects include arranging for small ensembles in both standard and unusual combinations, transcription of parts to suit individual performers; the composing and arranging of instrumental and vocal descants for the enrichment of song literature.
360. A HISTORICAL ANALYSIS OF MUSIC STRUCTURE. Four hours credit.  
An examination of the technical and theoretical aspects of music development from about 900 to the present time to discover the style of each period through the analysis of the various devices used.
361. THEORIES OF MUSICAL ART. Four hours credit.  
A study of the literature of aesthetics with specific consideration of its implications for music in an educational program. What is the nature of beauty and what is the significance of the aesthetic experience in human living?
399. THESIS. Eight hours credit.  
A regular or creative thesis may be written in the Division of Music.



## DIVISION OF THE SCIENCES

### Mathematics

70. MATHEMATICS FOR A MODERN WORLD. Four hours credit.  
Designed to give the student with a limited background in mathematics a course which will be of personal and practical use to him. General principles and their everyday applications are studied. Recommended as an elective for all students.
- 75a. COLLEGE ALGEBRA. Four hours credit.  
The development and extension of concepts and skills beyond those studied in secondary school, and the practice of clear and independent thinking, with emphasis upon the understandings which lie back of algebraic processes.
- 75b. COLLEGE ALGEBRA. Four hours credit.  
A continuation of Math 75a.
76. PLANE TRIGONOMETRY. Four hours credit.  
A course which develops the trigonometric functions and their application, both theoretical and practical, in the solution of the triangle. Special emphasis is put upon the logarithms and their use in computation in the solution of the triangle and ordinary problems.
- 78a. COLLEGE MATHEMATICS. Four hours credit.  
The first of three sequence courses which is designed to correlate algebra, trigonometry, analytic geometry, and elementary calculus. Specific areas covered are: graphs, and functions, simple differentiation, simple integration, first and second degree functions.
- 78b. COLLEGE MATHEMATICS. Four hours credit.  
A Continuation of Math 78a. This course covers the following areas: rational integral functions, rational fractions, irrational functions, calculation by use of logarithms, and trigonometry.
- 78c. COLLEGE MATHEMATICS. Four hours credit.  
A continuation of Math 78b, this course covers the following areas: simultaneous equations and determinants; analytic geometry of the straight line, circle, ellipse, parabola, and hyperbola; polar co-ordinates; tangents; normals and transformations of co-ordinates.





170. MATHEMATICAL INSTRUMENTS AND SURVEYING. Four hours credit.  
A course designed to show the teacher of mathematics some of the techniques and instruments used in many of the practical problems of measurement. Instruments studied are the slide rule, the sextant, and various instruments used in land surveying.
- 175a. CALCULUS (Differential). Four hours credit.  
This course presents the fundamental concepts of the differential calculus with the various applications of the derivative in solving problems in the scientific field. Successive differentiation and differentials are covered.
- 175b. CALCULUS (Integral). Four hours credit.  
This course introduces the process of integration and the definite integral with its application to problems in science. Differentiation and integration of transcendental functions are also developed.
- 175c. CALCULUS (Differentiation and Integration). Four hours credit.  
A continuation of those topics of differentiation and integration which are not adequately treated in Math 175a and 175b. The subject matter deals with differentiation of polar coordinates, radius and circle of curvature, indeterminate forms, series and expansion of functions.
- 177a. ANALYTIC GEOMETRY I. Four hours credit.  
Explains and amplifies algebraic methods in the solving of geometric problems, thus acquainting the student with a powerful method of amplifying algebra and geometry. Especially valuable as a margin of information for teachers of both algebra and geometry.
- 177b. ANALYTIC GEOMETRY II. Four hours credit.  
A continuation of Math 177a emphasizing such topics as transformation of coordinates, tangents, polar coordinates, parametric, equations and cartesian coordinates in space.
181. DESCRIPTIVE ASTRONOMY. Four hours credit.  
A study of the solar system and the place of our Sun in the family of stars. The student learns to recognize and locate the more important stars. Extensive knowledge of science, mathematics, and constellations not required.



273. MODERN EUCLIDEAN GEOMETRY. Four hours credit.  
An introduction to the ideas and methods of modern geometry; an extension of Euclidean geometry to theorems not included in high school geometry, to theorems of college level.
274. HISTORY OF MATHEMATICS. Four hours credit.  
A general view of the development and contributions of mathematics. A more detailed view of development of arithmetic, algebra, and geometry and evolution of symbolism.
- Ed. ELEMENTARY STATISTICS. Four hours credit.
- 275a. An introduction to the meaning and practical use of measures of central tendency, variability, reliability, and relationship. Problems for application are taken principally from education and psychology.
276. ADVANCED CALCULUS. Four hours credit.  
A continuation of differential and integral calculus with emphasis upon integration involving integration of trigonometric differentials, trigonometric substitution, integration by various devices and tables; areas, volumes and centroids of solids of series and expansion of functions.
277. THE THEORY OF EQUATIONS. Four hours credit.  
This course is introduced with the arithmetic of complex numbers; deals with functional relationships, graphic representation and solution of functions, determinates and symmetric functions.
278. DIFFERENTIAL EQUATIONS. Four hours credit.  
A study of the theory and solution of differential equations. Ordinary and partial differential equations are treated along with numerous applications.
281. ASTRONOMY. Four hours credit.  
A consideration of space and the heavenly bodies which it contains. Includes spectroscopy as applied to astronomy, star distances, classification and magnitude of stars, as well as nebulae.
372. CURRICULUM IN SECONDARY SCHOOL MATHEMATICS. Four hours credit.  
A study of modern developments in curriculum offerings in secondary school mathematics, with special emphasis on mathematics best suited to the needs of non-college-bound students.



Ed.    ADVANCED STATISTICS.   Four hours credit.  
375b   Sampling theory, tests of significance, Chi-square function,  
          correlation methods, introduction to analysis of variance  
          and experimental design in educational research.



## DIVISION OF THE SCIENCES

### Non-specialized Science

- 3a. INTRODUCTION TO PHYSICAL SCIENCE. Four hours credit.  
The study of important general principles in astronomy, physics, chemistry, and geology. Concepts designed to help the student to interpret the world in which he must live.
- 3b. INTRODUCTION TO BIOLOGICAL SCIENCE. Four hours credit.  
Major concepts dealing with the nature of life, human reproduction, heredity, and the rise of man and the development of his culture.
30. SCIENCE FOR ELEMENTARY TEACHERS. Four hours credit.  
An elementary course in general science subject matter to provide the elementary teacher with the knowledge he will need to teach elementary science in grades, preschool through eighth grade. This is not a methods course.
31. PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS. Four hours credit.  
Subject matter content from the fields of the physical sciences is taught to prepare elementary teachers for their work in elementary science.
32. BIOLOGICAL SCIENCE FOR ELEMENTARY TEACHERS. Four hours credit.  
Subject matter content from the fields of the biological sciences is taught to prepare elementary teachers for their work in elementary science.
159. GENERAL METEOROLOGY. Four hours credit. (Social Studies)  
Weather elements such as temperature, pressure, wind, moisture, air masses, fronts and storms. Maps and forecasting. Weather as related to agriculture and aviation.
186. GENERAL GEOLOGY. Four hours credit. (Social Studies)  
A course designed to develop an understanding of the surface of the earth and the processes and forces that have been active in changing it.
205. INTEGRATED SCIENCE. Four hours credit.  
The course stresses the social implications of atomic energy, health, medicine, a eugenics program and electro-magnetic radiations. Areas of related subject matter are brought together to show the effect of science on man's cultural heritage.





210. HUMAN GROWTH AND DEVELOPMENT. Four hours credit.  
The growth and development of individuals with special reference to the methods of teaching used to develop desirable attitudes, behaviors, and knowledge in such fields as health and sex education. Content from the sciences of embryology, eugenics, genetics, endocrinology, and physiology will be used.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and techniques of research in the area of the graduate major. This course is required of all first quarter graduate students who intend to receive the degree of Master of Arts.

### Anthropology

#### Social Studies

100. INTRODUCTION TO ANTHROPOLOGY. Four hours credit.  
A brief survey of the fields of anthropology, physical anthropology, archaeology, linguistics, ethnology and socio-cultural anthropology. Introduction to terminology, history of the fields, and their relationships to other disciplines. Survey of the chief concepts in each field, present development, and current trends.

#### Social Studies

- 209 WORLD ETHNOLOGY. Four hours credit.  
Consideration of 15 to 20 cultures different from our own, and located in Asia, Africa, the Americas, Australia, and the adjacent areas. Description and analysis or both material and non-material aspects of each culture. Special emphasis on the cultural universals.

#### Social Studies

- 210 INDIANS OF THE AMERICAS. Four hours credit.  
Consideration of various cultures in the American continents, ranging from the Polar Eskimos to the Tierra del Fuegians. Emphasis on the Indian of North America from immediate Pre-Columbian to present time. Consideration of cultural areas in the Americas.

#### Social Studies

- 211 ETHNIC GROUPS IN THE UNITED STATES. Four hours credit.  
History, distribution, present status and cultural and genetic differences among the ethnic groups in the United



States. Special considerations to the contributions made by the various groups to our present American culture.

#### Social Studies

212 PRIMITIVE AND MODERN SOCIETIES. 4 hours credit.  
Analysis of contemporary cultures, using the Redfield Folk-Urban Scale and other various measuring devices. Special attention to the development of the cultural universals with their implications for the development of our own society.



## Biology

207. CONSERVATION OF NATURAL RESOURCES. Four hours credit.  
A study of the relation of natural resources to the development of man and his culture. Units of study are organized on soil, water, forests and forest products, range management, wild life, and mineral resources. The emphasis throughout is on their relation to man.
208. FIELD SCIENCE. Four hours credit.  
Planned especially for elementary and secondary school teachers. The course deals with the identification of common animals and plants; the relationship of the plants and animals to their environment; and economic importance. Field trips required.
231. EVOLUTION. Four hours credit.  
The evolution of man, origin of races, the biological basis for the origin of customs and institutions, and the effects of an evolving technology on culture are considered to be important for the teacher to interpret the environment to the learner.
232. GENETICS AND EUGENICS. Four hours credit.  
A study of the fundamental laws of heredity and their application to plants and animals, with special emphasis on the heredity of man and the present trends of the human race.
238. BIO-ECOLOGY. Four hours credit.  
A study of the relation of plants and animals to their environment. Field trips required.

## Botany

21. GENERAL BOTANY. Four hours credit.  
A study of the structure, physiology, and development of seed plants and their importance to man.
22. GENERAL BOTANY (Non-Vascular Plants). Four hours credit.  
A study of algae, fungi, mosses and liverworts; their life cycles, relationships and evolutionary aspects.
23. GENERAL BOTANY (Vascular Plants). Four hours credit.  
A study of ferns and their relatives and seed plants;



methods of reproduction, evolutionary development, and recognition of important vascular plant families.

122. GENERAL BACTERIOLOGY. Four hours credit.  
Emphasis is placed on the methods of control of micro-organisms together with a study of growth characteristics and requirements. This centers about the important health problems. Laboratory and field work is included.
226. PLANT HISTOLOGY AND BOTANICAL TECHNIQUE. Four hours credit.  
Study of plant tissues and methods of killing, imbedding, sectioning, staining and making botanical material into permanent microscopic mounts.
227. SYSTEMATIC BOTANY. Four hours credit.  
A historical survey of various systems of classification, codes, and nomenclature; use of manuals for the identification of plants in local areas. Field trips required.
321. PLANT PHYSIOLOGY. Four hours credit.  
A course dealing with the fundamental principles of absorption of water and minerals, transpiration, photosynthesis, translocation and growth of plants.
328. PLANT ECOLOGY. Four hours credit.  
A course planned to give the student an understanding of plant successions resulting from the inter-relation and interaction of plant life and the factors of the environment. Field trips required.
330. BOTANICAL SEMINAR. One hour credit.  
Assigned reports on current botanical topics.

#### Chemistry

- 40a. PRINCIPLES OF CHEMISTRY. Four hours credit.  
This course deals with the principles of chemistry and their relationships to daily experience. It is designed for science majors and minors as well as pre-medical, pre-dental, pre-veterinary, and pre-engineering students. No previous knowledge of chemistry is necessary, but high school algebra is essential.
- 40b. GENERAL INORGANIC CHEMISTRY. Four hours credit.  
This course includes a discussion of the chemistry and uses





of the most important metals and non-metals and their inorganic compounds.

- 40c. INTRODUCTORY ORGANIC CHEMISTRY. Four hours credit.  
This course provides an elementary introduction to organic chemistry, including some of the many applications in such fields as food, drug, plastic, dye, and vitamin chemistry.
- 41a. INTRODUCTION TO CHEMISTRY. Four hours credit.  
A study of the principles of chemistry and their applications to daily living, planned for Home Economics teaching majors, dietitians, pre-nursing and pre-medical technician students, with applications of particular interest to these groups.
- 41b. INTRODUCTION TO CHEMISTRY. Four hours credit.  
This course completes the work on principles but is mainly a study of the metals and non-metals that are of primary importance and whose main application is in the areas of Home Economics and Nursing.
- 41c. INTRODUCTION TO ORGANIC CHEMISTRY. Four hours credit.  
This course provides an elementary introduction to organic chemistry. The work is applied to the areas of particular interest to Home Economics teaching majors, dietitians, pre-nursing, pre-dental and pre-medical students.
442. ORGANIC CHEMISTRY. Four hours credit.  
The chemistry of the carbon compounds of the aliphatic and aromatic series is discussed. Application to the fields of nutrition and industry is stressed.
444. QUALITATIVE ANALYSIS. Five hours credit.  
In this course, the student is introduced to analytical theory and the methods of detection of common ions. The laboratory work illustrates the class discussion.
445. QUANTITATIVE ANALYSIS. Five hours credit.  
This course provides a discussion of quantitative procedures as well as continued emphasis on analytical theory. The methods of volumetric and gravimetric analysis are applied to common substances in the laboratory.
448. FOOD ANALYSIS. Four hours credit.  
This course deals with some of the techniques of qualitative and quantitative analysis of foods for certain



inorganic and organic constituents.

243. ADVANCED ORGANIC CHEMISTRY. Four hours credit.  
This course is a continuation of Chemistry 142. It reviews comprehensively both the aliphatic and aromatic series of organic compounds.
244. LABORATORY IN ADVANCED ORGANIC CHEMISTRY. One to three hours credit.  
Organic preparations and qualitative organic analysis constitute the laboratory work.
246. ADVANCED QUANTITATIVE ANALYSIS. Four or five hours credit.  
Special attention is given to the analysis of complex mixtures, and the use of certain analytical instruments.
247. BIOCHEMISTRY. Four hours credit.  
An introduction to the chemistry of foods, nutrition, and body processes is given.
- 340a. INTRODUCTORY PHYSICAL CHEMISTRY. Four hours credit.  
This course is an advanced study of the theoretical principles upon which chemistry is based. The gaseous, liquid, and solid states, thermodynamics and colloids are considered.
- 340b. INTERMEDIATE PHYSICAL CHEMISTRY. Four hours credit.  
This course is a continuation of Chemistry 340a and deals with electrochemistry, chemical thermodynamics, and atomic and molecular structure.
- 341a. LABORATORY IN INTRODUCTORY PHYSICAL CHEMISTRY. Two hours credit.  
In this laboratory course, the validity of certain physical laws are demonstrated.
- 341b. LABORATORY FOR INTERMEDIATE PHYSICAL CHEMISTRY. Two hours credit.  
Laboratory work in electrochemistry and chemical thermodynamics is undertaken in this course.
344. ADVANCED INORGANIC CHEMISTRY. Four hours credit.  
This course, without laboratory, offers an opportunity for discussion of selected topics in inorganic chemistry based upon recent literature. It is planned especially for the teacher of chemistry to give a survey of certain chemical



principles and descriptive inorganic chemistry after he has some understanding of atomic and molecular structure.

345. SPECIAL PROBLEMS IN TEACHING CHEMISTRY. Two hours credit. This course gives the teacher of chemistry in the secondary school an opportunity to share, to discuss, and to work toward solutions of problems arising from his experience.

346. SEMINAR IN CHEMISTRY. One hour credit. This course gives the graduate student an opportunity to report on some topic of interest treated in recent literature, as well as profit by the reports of others.

#### Science Education

191. SCIENCE IN THE ELEMENTARY SCHOOL. Four hours credit. A study of objectives, materials, and methods of teaching science in the elementary school.

201. IMPROVEMENT OF SCIENCE INSTRUCTION IN ELEMENTARY SCHOOLS. Four hours credit. A study evaluation and comparison of several programs suggested for science by various authorities and groups of science educators. Opportunity is provided for students to plan programs and study the reorganization of science subject matter to achieve the objectives of science.

202. IMPROVEMENT OF SCIENCE INSTRUCTION IN SECONDARY SCHOOLS. Four hours credit. A study evaluation and comparison of several programs suggested for science by various authorities and groups of science educators. Opportunity is provided for students to plan programs and study the reorganization of science subject matter to achieve the objectives of science.

203. IMPROVEMENT OF SCIENCE INSTRUCTION IN COLLEGE. Four hours credit. The purpose of the course is to prepare advanced students for teaching science in general education program in college. The problems studied are those concerned with purposes of education, methods, and evaluation. Demonstration teaching is included.

204. SPECIAL PROBLEMS IN TEACHING ELEMENTARY SCIENCE. Four hours credit. A study and demonstration of eight difficult kinds of science



lessons. The educational theory of the lessons is presented, the lessons are taught to elementary school science classes for observation, and the theory and practice are discussed following the demonstration. Members of the class will prepare and teach lessons during the latter part of the course.

205. SPECIAL PROBLEMS IN TEACHING SCIENCE IN SECONDARY SCHOOLS.

Four hours credit.

Teachers who have special problems in the field of secondary science education may elect this course for the intensive study of their problems. Problems may be selected from such areas as content, method, problem solving, and evaluation. Teachers will present the results of their study to the group.

206. SPECIAL PROBLEMS IN TEACHING SCIENCE IN COLLEGE. Four hours credit.

Teachers who have special problems in the field of college science education may elect this course for the intensive study of their problems. Problems may be selected from such areas as content, method, problem solving, and evaluation. Teachers will present the results of their study to the group.

301. SEMINAR IN ELEMENTARY SCIENCE EDUCATION. Four hours credit.

A study and demonstration of eight difficult kinds of science lessons. The educational theory of the lessons is presented, the lessons are taught to elementary school science classes for observation, and the theory and practice are discussed following the demonstration. Members of the seminar will prepare and teach lessons during the latter part of the course.

302. SEMINAR IN SECONDARY SCIENCE EDUCATION. Four hours credit.

A study and demonstration of eight difficult kinds of science lessons. The educational theory of the lessons is presented, the lessons are taught to secondary school science classes for observation, and the theory and practice are discussed following the demonstration. Members of the seminar will prepare and teach lessons during the latter part of the course.





303. SEMINAR IN COLLEGE SCIENCE EDUCATION. Four hours credit. A study and demonstration of eight difficult kinds of science lessons. The educational theory of the lessons is presented, the lessons are taught to college science classes for observation, and the theory and practice are discussed following the demonstration. Members of the seminar will prepare and teach lessons during the latter part of the course.

#### Physics

61. GENERAL PHYSICS - MECHANICS AND HEAT. Four hours credit. The first quarter of the general course in physics treats of the laws, principles, and generalizations of mechanics and heat.



62. GENERAL PHYSICS - ELECTRICITY. Four hours credit.  
The second quarter of the general course in physics treats of the principles, laws, and generalizations in electricity.
63. GENERAL PHYSICS - SOUND, LIGHT, AND ATOMIC PHYSICS. Four hours credit.  
The third quarter of the general course in physics treats of the laws, principles, and generalizations concerning sound, light, and atomic physics.
68. ELEMENTARY ELECTRICITY. Four hours credit.  
A course designed for the student who needs a fundamental background in the general laws, principles, and generalizations of electricity in everyday life.
151. AIRCRAFT POWER PLANTS. Four hours credit.  
A study of the principles, structures and operation of all types of heat, engines, including automobile, airplane and diesel engines and their everyday application. A discussion of the modern developments of aircraft power plants such as the jet, turbo-jet and pro-jet power plants will be included.
165. HOUSEHOLD PHYSICS. Four hours credit.  
A course designed to meet the needs of majors in home economics. All laws, principles, and generalizations of physics are related directly to their application in the home.
166. ELECTRONICS. Four hours credit.  
This is a general course in electronics and electricity as applied to the reception and transmission of radio. Stress is placed upon the application to radio in everyday living.
167. ELEMENTARY PHOTOGRAPHY. Four hours credit.  
An elementary course designed to meet the needs of the amateur photographer and also to furnish an adequate background for more advanced work on the principles of photography.
261. BIOPHYSICS. Four hours credit.  
Biophysics is a course designed to relate the principles of mechanics, heat, electricity, radio, light, sound and atomic physics to both plant and animal life. Stress is placed upon the recent developments in physics as applied to living things.



- 264a. **ADVANCED MECHANICS AND HEAT.** Four hours credit.  
This first quarter of advanced physics deals with the development of the concepts of mechanics and heat and the mathematical interpretation of the laws and the principles.
- 264b. **ADVANCED ELECTRICITY.** Four hours credit.  
This course deals with the fundamental development of the important concepts in A.C. and D.C. electricity. It furnishes the necessary background for electrical engineering.
- 264c. **ADVANCED SOUND, LIGHT AND WAVE MOTION.** Four hours credit.  
This course deals with the fundamental principles and laws of wave motion including their application to sound and light, with the emphasis placed upon the modern atomic concepts.
267. **ADVANCED PHOTOGRAPHY.** Five hours credit.  
An advanced course in the principles of photography.
- 366  
a,b. **SEMINAR IN PHYSICS.** One hour credit.  
This course is designed to permit the student to increase the breadth of his knowledge in physics, to enable him to become familiar with the research and literature of physics and to prepare and present papers on the research in physics, either his own problem or the research of others.
368. **ATOMIC PHYSICS.** Four hours credit.  
This course is designed as an advanced course in modern atomic theory, nuclear structure, and their relationship to fundamental physical and chemical theory.

### Zoology

11. **GENERAL ZOOLOGY - INVERTEBRATE.** Four hours credit.  
This is the beginning course in Zoology. The principles of animal biology will be emphasized. These principles will be studied in the laboratory through the use of selected types.



12. GENERAL ZOOLOGY - VERTEBRATE. Four hours credit.  
A continuation course in general zoology. A study of the anatomy and physiology of the vertebrate animals. Selected types will be used for laboratory study.
114. BIRD STUDY. Four hours credit.  
Designed primarily for elementary majors. Classroom, museum and field studies on the habits, habitats, life histories, migration activities, and economic importance of birds. Students will have an opportunity to learn to identify birds in the field.
117. HUMAN PHYSIOLOGY. Four hours credit.  
A course in the study of the functions of the human body designed to help the student to understand normal functions and give him the knowledge with which he may establish good health practices for himself.
211. COMPARATIVE MORPHOLOGY OF THE VERTEBRATES. Four hours credit.  
A detailed study of the systems of organs of the vertebrates. The student is expected to make careful dissections of selected types.
215. VERTEBRATE EMBRYOLOGY. Four hours credit.  
A study of the embryology of the bird and the mammal compared to the embryology of the human body. Designed to provide an understanding of the early development of the human body.
218. ANIMAL HISTOLOGY AND MICROSCOPE TECHNIQUES. Four hours credit.  
The skills of killing, staining, and preparing animal tissue for study is combined with the study of the types of tissues in the animal body.
316. VERTEBRATE ORGANOGENY. Four hours credit.  
A continuation of Zoology 215, a study of the origin and development of the organs of the body of the vertebrate animal with special reference to the development of the body of man.
317. ENDOCRINOLOGY. Four hours credit.  
A detailed study of each of the hormones known to be produced in the human body, with respect to its normal effect on the physiology, its effect when overproduced and when there is underproduction.





## DIVISION OF THE SOCIAL STUDIES

### General Social Studies

81. THE INDIVIDUAL AND HIS SOCIAL RELATIONS. Four hours credit.  
The integration of subject matter offerings in general education; the nature of social science; analysis of social behavior of the individual based upon data from all fields of the social studies; brief survey of problems connected with the maintenance of the family, contemporary education and intergroup relations.
82. AMERICAN LIFE AND INSTITUTIONS. Four hours credit.  
Four major problems in life of the citizens of the United States in the contemporary period: Relationships between man and government, man's organization for production, the role of labor in an industrial society, the position of agriculture.
83. CONTEMPORARY WORLD CULTURES. Four hours credit.  
Investigates the geographic framework of contemporary world cultures; reviews briefly the interdependent and inter-related nature of world cultures, and surveys the problem of the maintenance of world peace.
200. SOCIAL PHILOSOPHY. Four hours credit.  
An attempt to arrive at ethical solutions to social issues based on a philosophy of democracy, with the aid of factual information from the social sciences.

### Professional Social Studies

206. WORKSHOP FOR SOCIAL STUDIES TEACHERS. Four hours credit.  
Provides an opportunity for students to bring their specific instructional problems in social studies for independent study and group consideration. Curriculum reorganization, integration, community resources, evaluation and new materials will be considered by the group. Each student is expected to present a teaching problem.

### Education

213. IMPROVEMENT OF INSTRUCTION IN SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. Four hours credit.  
Selection and organization of content, learning activities, problem-solving, social skills and attitudes through the



first six grades. Emphasis is placed upon materials and methods for teaching a unified and correlated social studies program.

214. METHODS OF OCCUPATIONAL AND VOCATIONAL INSTRUCTION IN SOCIAL STUDIES. Four hours credit.

An introduction to the practical aspects of vocational guidance and the teaching techniques used in order to most effectively meet a dynamic need of secondary school youth. Encompasses aptitude testing, utilization of community resources; and is an orientation to sources of vocational material.



305. IMPROVEMENT OF INSTRUCTION IN SECONDARY SCHOOL SOCIAL STUDIES. Four hours credit.  
The course will deal with a consideration of recent trends in the organization and teaching of social studies courses in secondary schools. Teachers will be given an opportunity to evaluate new courses of study, new materials and new equipment developed in an attempt to improve teaching procedures.
307. CURRICULAR PROBLEMS AND TRENDS IN THE SOCIAL STUDIES. Four hours credit.  
The course will develop a synthesis of contemporary theory and practice in the social studies through the junior college level. Methods, practical procedures, evaluation and measurement will be discussed as well as the contemporary de-emphasis of methodology in favor of content and function.

#### Social Research

120. INDIVIDUAL STUDIES. Two to eight hours credit.  
Individual undergraduate study under the guidance of a staff member in any area of the Division, field or area of credit to be designated. Available only on consent of instructor concerned.
300. INTRODUCTION TO GRADUATE STUDY. Four hours credit.  
A study of the literature and techniques of research in the area of the graduate major. The course is required of all first quarter graduate students who intend to receive the degree of Master of Arts.
322. INDIVIDUAL STUDIES. Two to eight hours credit.  
Individual graduate study under the guidance of a staff member in any area of the Division, field or area of credit to be designated. Available only on consent of instructor concerned. Paper required.
399. THESIS. Eight hours credit.  
Thesis work to be carried on under the personal direction and guidance of the major adviser.



## Economics

100. PRINCIPLES OF ECONOMICS. Four hours credit.  
An introduction to the analysis of economic activity in the areas of income determinants, business organization, price determinants, fiscal programs, labor organization, agricultural economics, savings and investments, money and banking, international trade and finance, and full employment.
102. CONTEMPORARY ECONOMIC PROBLEMS. Four hours credit.  
An examination of crucial economic problems facing modern society with particular attention being paid to unemployment, agricultural maladjustment, taxation policies, obstacles to foreign trade, wastes in production and consumption, economic inequality, and market instability.
103. PERSONAL SAVINGS AND INVESTMENTS. Four hours credit.  
A non-technical analysis of the management of personal finances as to budgeting personal expenses, providing for savings, using credit, borrowing money, bank accounts, insurance and annuities, home owning, investing and speculating in securities, and personal tax problems.

## Business Education

254. Consumer Economics. Four hours credit.  
An economic analysis of consumption with emphasis on the need for rational examination of goods and services offered in the markets for the satisfaction of human wants. Various aids to consumer buying are investigated including regulatory legislation, consumer research services and consumer cooperatives.
105. MARKETING. Four hours credit.  
A detailed descriptive analysis of marketing functions, marketing institutions on the wholesale and retail level, price determination in various market situations, and public, quasi-public and corporate control of marketing.
106. MONEY AND BANKING. Four hours credit.  
The fundamentals of monetary and banking analysis and policy. Money is analyzed from the viewpoint of its nature, source, standardization, effect on price levels, and international ramifications. Banking is analyzed as to organization, operation, transactions, control, and international implications and trends.





200. LABOR-MANAGEMENT RELATIONS. Four hours credit.  
A study of the origins and an examination of the impact of trade unionism on modern industrial organization. The course includes an inquiry into the techniques of collective bargaining, an analysis of labor-management-public relations in contemporary society and a diagnosis of the interests and human motivations of labor groups.
201. PUBLIC FINANCE. Four hours credit.  
A study of the methods employed by local, state, and federal governments to finance their activities. Particular attention is paid to the scope and effects of various types of fiscal policy.
202. INTERNATIONAL ECONOMICS. Four hours credit.  
An analytical survey of the world as an economic area with an examination of (1) the relation of world population to world resources, (2) the interdependence of the world economy revealed through international trade and payments, and (3) the current efforts to solve the dilemma between national discrimination and international economic cooperation.
203. ECONOMIC ANALYSIS OF AMERICAN INDUSTRY. Four hours credit.  
A course in which the economic characteristics of thirty or more larger American industries are described and analyzed and their behavior related to the performance of the economy as a whole.
207. COMPARATIVE ECONOMIC SYSTEMS. Four hours credit.  
A comparison of the important economic systems of the world: Modified capitalism, socialism, fascism and communism. Emphasis is not on the historical development, but on a critical analysis of the ability of these various systems to perform the vital economic functions essential to any economic system.
208. AGRICULTURAL ECONOMICS. Four hours credit.  
An analysis of the economics of agriculture related to (1) the revolution in agricultural methods, (2) the various levels of farm groups, (3) short run instabilities such as natural hazards and cyclical influences, (4) governmental policy in the areas of crop insurance, storage, production control, and parity prices, and (5) cooperative activity.



301. PROBLEMS IN ECONOMIC BALANCE. Four hours credit.  
An analysis of the factors of the economic system involved in economic instability. Effect of this instability on our economic institutions and social order. Analysis of theories of causation, policies of correction, and tools and techniques in economic forecasting.
304. HISTORY OF ECONOMIC THOUGHT. Four hours credit.  
An inquiry into the origins of currently held economic ideas and a review of the various "schools" of economic thought. Great personalities are recognized who have codified, interpreted, analyzed, or generated economic concepts since the beginnings of formal economic study.

#### Geography

10. WORLD GEOGRAPHY. Four hours credit.  
Tools of world geography. World survey of the inter-relationships of man and his culture to the climates, animal life, minerals, soils and surface features of the earth.
48. UNITED STATES. Four hours credit.  
A study of regions and their interdependence. Land use, social and economic problems emphasized.
112. ECONOMIC GEOGRAPHY. Four hours credit.  
Geographic and economic conditions affecting the products, industries, commerce and resources of the world. Special emphasis on the United States.
143. EUROPE. Four hours credit.  
Physical and cultural patterns. The nations of Europe, their regions, cultures, social and economic organizations with resulting conflicts.
147. LATIN AMERICA. Four hours credit.  
Mexico and the countries of South America--regions, cultures, economics, social and political conditions.

#### Science

159. General Meteorology. Four hours credit.  
Weather elements such as temperature, pressure, wind, moisture, air masses, fronts and storms. Maps and forecasting. Weather as related to agriculture and aviation.



## Science

186. General Geology. Four hours credit.  
A course designed to develop an understanding of the surface of the earth and the processes and forces that have been active in changing it.
204. SOVIET UNION. Two hours credit.  
Resources, social and economic organizations, regions and problems of the U.S.S.R.
216. MAP INTERPRETATION. Two hours credit.  
Map projections, scales and symbols. Reading and interpretation of special purpose maps such as contour, physio-geographic, weather commodity and climatic.
244. ASIA. Four hours credit.  
The countries of Asia in terms of their climates, regions, cultures, cultural landscapes, social organizations and economic activities.
270. POLITICAL GEOGRAPHY. Four hours credit.  
A study of the political areas of the world in the light of their geographic conditions and modern thought in political geography.

## United States History

20. U. S. HISTORY (to 1865). Four hours credit.  
European background, discovery, exploration and colonization, colonial wars, revolution and independence, establishment of the Republic, sectionalism and Civil War.
21. U. S. HISTORY (1865 to present). Four hours credit.  
Reconstruction of the Union; economic, social and political growth of the Nation; the United States becomes of age as a world power and orients itself as the leader of the world's democracies.
40. COLORADO HISTORY. Four hours credit.  
Indian civilization; Spanish and French explorations; American exploration; Indian wars; pioneer home life, religion and education; fur, mining and cattle industries; agricultural development, conservation and reclamation projects; conflicts between capital and labor; territorial and state governments.



158. SOCIAL AND INDUSTRIAL HISTORY OF THE U.S. Four hours credit.  
The development of American industrial life from the colonial period to the present time, including its effect upon the standard of living. (For elementary teachers only.)
252. HISTORY OF THE WEST. Four hours credit.  
Western movement beginning with 1636, passes into the West, organization of Northwest Territory, Indian Wars, United States factory system, frontier religion and education, Cumberland road, coming of steamboat, canal era, frontier monetary problems, relation of Mormons to westward movement, preemption and homestead acts, forty-niners and fifty-niners, transcontinental railroads, range cattle industry.
265. CONTEMPORARY UNITED STATES HISTORY. Four hours credit.  
Economic, religious and intellectual conditions in United States in 1900. Progressive movement, rise of imperialistic thought, American interests in the Far East, Wilson's New Freedom, American neutrality 1914-1917, World War I, League of Nations, reason for failure, prosperity, depression 1929, New Deal, Lend-Lease, World War II, United Nations' organization, Marshall Plan, labor and housing problems, World War III?
270. CULTURAL HISTORY OF THE UNITED STATES. Four hours credit.  
Cultural development of the U. S. and the social and economic forces which conditioned it.
363. AMERICAN REVOLUTION. Four hours credit.  
Era from 1760-1763, change in colonial policy 1764-1765, Sugar Act, Stamp Act, Townshend Acts, Intolerable Acts, revolt of American colonies, Declaration of Independence, significance of year 1777, American victory, treaties of peace, Articles of Confederation, Critical period 1783-1787, Constitutional Convention, adoption of Constitution.
364. CIVIL WAR AND RECONSTRUCTION. Four hours credit.  
Conditions of slave life, state and federal legislation controlling institution of slavery, compromises of 1820, 1850, operation of Fugitive Slave Law, Kansas-Nebraska Act, Republican Party, Lecompton Constitution, Dred Scott decision, Lincoln-Douglas debates, election of 1860, secession, attempts at compromise in 1860, Lincoln's border state policy, Civil War, emancipation, reconstruction.





## Latin American History

100. LATIN AMERICAN LIFE. Four hours credit.  
Designed to aid the elementary school teacher. The great heroes, Latin American Way of Life, essential economy and geographic factors.
266. COLONIAL LATIN AMERICA. Four hours credit.  
The work of Spain in the New World with particular emphasis on the fusion of cultures and institutions.
267. MODERN LATIN AMERICA. Four hours credit.  
The political structure of the new national states; their economic and social problems.
368. SOCIAL HISTORY OF LATIN AMERICA. Four hours credit.  
The educational systems, the role played by the church, the types of society developed, and the resultant cultural life.

## World History

60. WORLD HISTORY (1500-1815). Four hours credit.  
Europe in the Sixteenth century, overseas expansion, Reformation, Dutch colonial and commercial supremacy, parliamentary government in England, France under Louis XIV, rise of Russia and Prussia, Slavic Europe and Ottoman empire in Eighteenth century, intellectual revolt against authority, Industrial revolution, French revolution of 1789, and Napoleonic era.
61. WORLD HISTORY (1815-1914). Four hours credit.  
Revolutions of 1820, 1830, 1848, weaknesses of Holy Alliance manifested, reform movements in England, 1832, 1867, 1884, second French empire unification of Italy, unification of Germany, Russia 1815-1881, Near Eastern question, 1815-1878, progress in economic thought, natural sciences, medicine, surgery, and early Nineteenth century intellectual currents.
251. ANCIENT SOCIAL HISTORY. Four hours credit.  
The social life and institutions of the Ancient Near East, Greece and Rome; detailed study of the religions, cultural development, living conditions, and recent archeological discoveries.



255. CONTEMPORARY WORLD HISTORY. Four hours credit.  
Cause of World War I, defeat of central powers, peace treaties, League of Nations, Paris Peace Pact, reparations, war debts, world depressions, national experiments—Soviet Russia, Fascist Italy and Nazi Germany, post-war England and France, Succession States, collapse of collective security, World War II, defeat of Axis powers, United Nations organization, World War III.
261. MEDIEVAL LIFE AND INSTITUTIONS. Four hours credit.  
Besides presenting the necessary political framework for the period, this course will give particular attention to the institutions of feudalism, manorialism, the church, monasticism, universities and the new cities.
268. THE BALKANS AND THE NEAR EAST. Four hours credit.  
Recent developments in the Balkans and the Near East with the historical background.
269. THE FAR EAST. Four hours credit.  
The economic, social, educational, philosophical and political life of the major nations and regions of the Far East.
271. ENGLISH HISTORY. Four hours credit.  
Brief survey of the background of English History to the Tudor Dynasty. The emphasis of the course will be on the economic, political and social transitions since the defeat of the Spanish Armada.
275. HISTORY OF RUSSIA. Four hours credit.  
A study of the development of Russian civilization from early times to the present.
359. RENAISSANCE AND REFORMATION. Four hours credit.  
The civilization produced by the Renaissance and its effects on the religious life of the time are studied as a background for the Reformation. The origins of the controversial questions still prevalent among the modern churches are examined with great care.
360. FRENCH REVOLUTION. Four hours credit.  
Government and society in France under the Ancient Regime, political philosophy of the eighteenth century, Estates General becomes the National Assembly, revolution and counter-revolution, fall of the monarchy, the first French



Republic, rise of Napoleon Bonaparte to power until he becomes master of Europe, his defeat and reaction.

362. COLONIAL EMPIRES OF THE TWENTIETH CENTURY. Four hours credit.  
The rise of the Great Colonial empires of our day; the emphasis will be placed on imperial administration, race and economic equality and the changes resulting from the recent world war.

#### Political Science

170. FUNDAMENTALS OF U.S. GOVERNMENT. Four hours credit.  
Origin and adoption of the Constitution, basic principles of the American constitutional system, the machinery of popular control, and the structure of the national government.
171. STATE AND LOCAL GOVERNMENT. Four hours credit.  
The organization of state, county and municipal governments and the administration of public services at each level.
172. PROBLEMS IN U.S. GOVERNMENT. Four hours credit.  
The constitutional and extra-constitutional factors affecting the legislative process, the conduct of administration, the budgetary and fiscal policies of the government and the control of foreign relations.
273. FOREIGN POLICY OF THE U.S. Four hours credit.  
Principal events in our foreign relations, 1789 to date, and the development of policies relating thereto.
274. INTERNATIONAL ORGANIZATION. Four hours credit.  
The bases of international relations, progress in International Law and legislation, and modern attempts to establish formal machinery for handling international problems—including a study of the League of Nations.
275. THE UNITED NATIONS. Four hours credit.  
The background and organization of the United Nations. Includes a detailed study of the six organic bodies of the United Nations and its subsidiary agencies.
276. CONTEMPORARY EUROPEAN GOVERNMENTS. Four hours credit.  
The background structure and functioning of present day



European governments: major attention being given to Great Britain, France and Russia.

279. POLITICAL PARTIES AND ELECTORAL PROBLEMS. Four hours credit.  
The organization and techniques of political parties in the United States, the voting behavior of the electorate and the problems relating to the machinery of representative democracy.
377. THE CONSTITUTION AND ITS INTERPRETATION. Four hours credit.  
The major sections and clauses of the constitution as developed and interpreted by the courts and by leading writers in the field of constitutional law.
379. INTERNATIONAL LAW. Four hours credit.  
Enough International Law for the purposes of students at this institution is contained in International Organization. If a student, for any reason, wishes to pursue the subject he can take it in an individual studies course.

### Sociology

100. CONTEMPORARY SOCIAL PROBLEMS. Four hours credit.  
Conflict of groups with respect to social values; problems of income distribution, physical health, mental health, crime, social class, race, recreation and marriage. Rational approach to our American ideology. Sociodramatic interpretations of problems.
101. PRINCIPLES OF SOCIOLOGY. Four hours credit.  
A study of social relations and organization: rise of social relations, the group, culture, personality and the group, group action, inter-group relations, the community and social ecology, social organization, social disorganization, social reorganization.
104. MARRIAGE AND THE FAMILY. Four hours credit.  
A study of the modern American family and its culture, marriage in relation to the development of personality, the choice of a mate, marital adjustment, the changing modern family and the nature of the happy family.

### Education

291. Social Psychology. Four hours credit.  
Specialized study of the behavior of men in groups.





Personality, society and culture; psychological aspects of human conflict, man's behavior, morale and leadership, attitudes.

203. WORLD'S GREAT RELIGIONS. Four hours credit.  
A study of several of the contemporary religions of the world: the basic doctrines, the ceremonies, ritual and customs, and their development within the cultural pattern.
205. SOCIODRAMA AND SOCIOMETRY. Four hours credit.  
Simulations of group situations in a controlled situation; operational study of interpersonal relation. Measurement of social status, social expensiveness and group morale. Use of the group as a therapeutic agent in guidance.
206. CRIME AND DELINQUENCY. Four hours credit.  
Causes, treatment and prevention of delinquency and crime.
209. ETHNOLOGY (PEOPLE AND RACES). Four hours credit. (Science)
210. COMPARATIVE SOCIAL INSTITUTIONS. Four hours credit.  
A comparative survey of the social institutions that are basic to the contemporary world's culture patterns, starting with the primitive beginnings in the stateless society and tracing their evolution to the present.
305. WORLD POPULATION PROBLEMS. Four hours credit.  
World population trends and their consequences.

#### Anthropology

210. INTRODUCTION TO ANTHROPOLOGY. Four hours credit.  
A brief survey of the fields of anthropology, physical anthropology, archaeology, linguistics, ethnology and socio-cultural anthropology. Introduction to terminology, history of the fields, and their relationships to other disciplines. Survey of the chief concepts in each field, present development, and current trends.
209. WORLD ETHNOLOGY. Four hours credit.  
Consideration of 15 to 20 cultures different from our own, and located in Asia, Africa, the Americas, Australia, and the adjacent areas. Description and analysis or both material and non-material aspects of each culture. Special emphasis on the cultural universals.



- ±210. INDIANS OF THE AMERICAS. Four hours credit.  
Consideration of various cultures in the American continents, ranging from the Polar Eskimos to the Tierra del Fuegians. Emphasis on the Indian of North America from immediate Pre-Columbian to present time. Consideration of cultural areas in the Americas.
- ±211. ETHNIC GROUPS IN THE UNITED STATES. Four hours credit.  
History, distribution, present status and cultural and genetic differences among the ethnic groups in the United States. Special considerations to the contributions made by the various groups to our present American culture.
- ±212. PRIMITIVE AND MODERN SOCIETIES. Four hours credit.  
Analysis of contemporary cultures, using the Redfield Folk-Urban Scale and other various measuring devices. Special attention to the development of the cultural universals with their implications for the development of our own society.







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