

SECOND YEAR

First Semester	Second Semester
School Organization 23..... 3	History of Education 26.... 3
Representative Drawing 21... 2	Dressmaking 26 ..... 3
Sanitation and Health 21..... 3	Advanced Foods and Cook- ing 28. .... 4
Textiles 27 ..... 3	Household Chemistry 78.... 3
Teaching of Home Economics 71 ..... 3	Household Management 34.. 2
Practice Teaching and Obser- vation, Ed. 33..... 2	Practice Teaching and Obser- vation, Ed. 34 .. .... 2
Physical Training 29..... ½	Physical Training 30. .... ½
16½	17½

INDUSTRIAL ARTS

(Manual Training)

FIRST YEAR	
First Semester	Second Semester
English 21 ..... 3	English 28. .... 3
Shop Drawing 61..... 4	Shop Drawing 62..... 3
Wood Shop 63..... 2	Wood Shop 64 ..... 3
Elements of Industries 23.... 2	Representative Drawing 21.. 2
Psychology 21..... 3	Principles of Elementary... Education 22..... 3
Concrete Construction 75 .... 2	Trigonometry 60..... 3
Physical Training 27..... ½	Physical Training 28..... ½
16½	17½

SECOND YEAR

First Semester	Second Semester
Shop Mathematics 65..... 3	Forge Shop 66 ..... 3
Elementary Design 73..... 3	Ceramics 68 ..... 3
School Organization 23..... 3	History of Education 26.... 3
Shop Drawing 67 ..... 2	Pattern Making 74..... 3
Teaching of Industrial Arts 71 3	Educational Sociology 36... 2
Practice Teaching and Obser- vation, Ed. 33..... 2	Practice Teaching and Obser- vation, Ed. 34 ..... 2
Physical Training 29 ..... ½	Physical Training 30..... ½
16½	16½

PUBLIC SCHOOL MUSIC

FIRST YEAR

First Semester	Second Semester
Elements of Music 21 ..... 3	Elements of Music 22 ..... 3
English 21 ..... 3	English 28..... 3
Psychology 21..... 3	Principles of Elementary Ed- ucation 22 ..... 3
Piano 25 ..... 2	Piano 26..... 2
History of Music 37..... 3	History of Music 38 ..... 3
Singing 29 ..... 2	Singing 30 ..... 2
Physical Training 27..... ½	Physical Training 28. .... ½
16½	16½

SECOND YEAR

First Semester	Second Semester
Advanced Piano 31 ..... 2	Advanced Piano or Singing 32 or 34..... 2
Advanced Singing 33 ..... 2	Harmony 36 ..... 3
Harmony 35..... 2	Music Appreciation 24..... 2
Music Appreciation 23 ..... 2	History of Education 26.... 3
School Organization 23..... 3	Teaching of Public School Music 28..... 3
Teaching of Public School Music 27..... 3	Practice Teaching and Obser- vation, Ed. 34..... 2
Practice Teaching and Obser- vation, Ed. 33..... 2	Physical Training 30..... ½
Physical Training 29..... ½	
16½	15½

## 83-84—ARCHITECTURAL DRAWING

Plans and details. Planning the layouts of shops, etc. First semester. Credit, 2 hours.  
Plans, elevations, details. Second semester. Credit, 3 hours.

## LIBRARY DEPARTMENT

## 21—LIBRARY ECONOMY

This course is designed to enable the student to employ the resources of the library readily and effectively. Lectures will be given on the use of the dictionary, catalogue, the interpretation of catalogue cards, the classification of books, and various kinds of reference books. Practical problems to be worked out in the library will be assigned to supplement the lectures. Credit, 3 hours.

## MATHEMATICS

## 22—ARITHMETIC

A teachers' course. The principles, processes, and applications of arithmetic are studied from the point of view of the teacher of the subject. Both semesters. Credit, 3 hours.

## 24—THE TEACHING OF ARITHMETIC IN THE PRIMARY GRADES

This course deals with the aims of arithmetical instruction in the primary grades (Grades 1 to 3 inclusive), and with the curriculum and teaching processes through which we attempt to realize these aims. Both semesters. Credit, 1 hour.

## 26—THE TEACHING OF MATHEMATICS IN THE INTERMEDIATE AND GRAMMAR GRADES

This course is similar to Mathematics 24, but deals with the work of the intermediate and grammar grades. Both semesters. Credit, 1 hour.

*Note*—Students cannot take both 24 and 26 for credit towards a diploma, but must choose the course in which they are especially interested.

## 60—TRIGONOMETRY

Prerequisite: Algebra through Progressions and Plane Geometry. Second semester. Credit, 3 hours.

## 61—COLLEGE ALGEBRA

Prerequisite: Algebra through Progressions and Plane Geometry. First semester. Credit, 3 hours.

## 62—ANALYTIC GEOMETRY

Prerequisite: Mathematics 60 or equivalent. Second semester. Credit, 3 hours.

## 63—DIFFERENTIAL CALCULUS

Prerequisite: Mathematics 60, 61, and 62 or equivalent. First semester. Credit, 3 hours.

## 64—INTEGRAL CALCULUS

Prerequisite: Mathematics 63 or equivalent. Second semester. Credit, 3 hours.

## 65—MODERN GEOMETRY

First semester. Credit, 3 hours.

## 66—HISTORY OF ELEMENTARY MATHEMATICS

Second semester. Credit, 2 hours.

## 71—THE TEACHING OF SECONDARY MATHEMATICS

This course treats of the aims, organization, and methods of teaching Algebra and Geometry. First semester. Credit, 2 hours.

## MUSIC

## 20—ELEMENTARY MUSIC

This course is intended for the regular Normal College students and is given in three parts.

20a. This part deals with the principles of musical structure. Study of notation, sight reading, dictation and melody writing. First semester, first year. Credit, 1 hour.

20b. Continuation of 20a with particular reference to the lower grades. It will include the presenting of rote songs, rhythm, and tone work. Second semester, first year. Credit, 1 hour.

20c. Continuation of 20b with particular reference to the upper grades. It will include the chromatic scale, minor scale, part-singing, and bass clef. First semester, second year. Credit, 1 hour.

## 21-22--ELEMENTS OF MUSIC

This course deals with the elements of music, rote singing, the facts of time and tune with their staff representation, leading to sight-reading of one, two- and three-part music. It will also include oral, tonal, and written dictation. Credit, 6 hours.

## 23-24--MUSIC APPRECIATION

Designed to acquaint students with standard vocal and instrumental compositions, and to enable them to listen discriminately. A study of musical compositions through the analysis of vocal and instrumental forms. The course is copiously illustrated by the best examples on the victrola and player-piano. No previous knowledge of music is required. Credit, 4 hours.

## 25-26--PIANO PLAYING

Technical and interpretative studies in piano playing, and study of the less difficult piano literature of the old and modern masters. Work in sight reading to cultivate accurate accompanying in song and hymn singing. Individual and class work. Two lessons and six to twelve hours' work required each week. Fee for use of piano \$3.00. Credit, 4 hours.

## 27-28--TEACHING OF PUBLIC SCHOOL MUSIC

General principles of teaching school music. An outline of the work of the various grades, choice and use of material, children's voices and interpretation. It will also include a study of rhythm and sight-singing. A survey of current school music courses. Prerequisite: Music 21-22. Credit, 6 hours.

## 29-30--SINGING

Fundamental principles of voice building; correct poise, with proper breathing; blended scale, diction, and vocal studies. Individual and class work. Two lessons and six to eight hours' work required each week. Credit, 4 hours.

## 31-32--ADVANCED PIANO PLAYING

The development of piano technique. Study of the more difficult piano literature of the old and modern masters. Individual and class work. Two lessons and six to twelve hours' work required each week. Fee for use of piano \$3.00. Credit, 4 hours.

## 33-34--ADVANCED SINGING

The development of vocal technique. Continuation of vocal studies and song interpretation. Individual and class work. Two lessons and six to ten hours' work required each week. Credit, 4 hours.

## 35-36--HARMONY

The fundamental principles of the theory of Music are embodied in the study of harmony, which treats of the different intervals and chords in their natural relations and combinations. The subdivisions of the subject are as follows: Scales, intervals; triads, sixth, seventh, and ninth chords with their inversions; cadences, and modulation; harmonizing melodies. Chromatically altered chords; augmented chords; suspensions; passing and changing notes; analysis; ear-training; original work in harmonizing melodies. Prerequisite: Music 21-22. Credit, Course 35, 2 hours; Course 36, 3 hours.

## 37-38--HISTORY OF MUSIC

This course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms, sacred and secular, and instruments; the polyphonic era. Modern music and musicians: biographies and the works of the great masters of the classic, romantic and modern schools. The history of the opera, oratorio, cantata, symphony, and various other forms are studied in detail. The course is well illustrated. Credit, 5 hours.

## PHYSICAL EDUCATION AND HYGIENE

## 21--SANITATION AND HEALTH

A study of the conditions upon which health depends and the best way to secure the formation of hygienic habits. It includes dietetics, harm of drugs and stimulants, muscular activity, care of the sense organs, prevention of colds, ventilation, water supply and drainage, modes and sources of infection, school sanitation and the hygiene of instruction. Credit, 3 hours.

## 25--PLAY AND PLAYGROUNDS

This course is offered to teachers interested in the teaching of play. A comprehensive view of the whole field of playground