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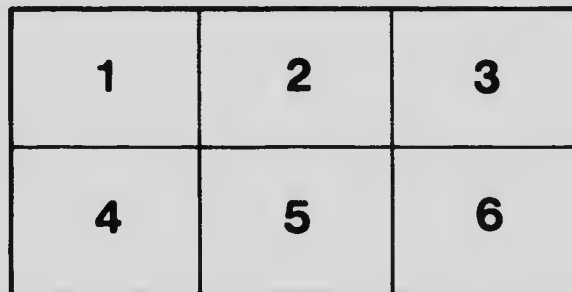
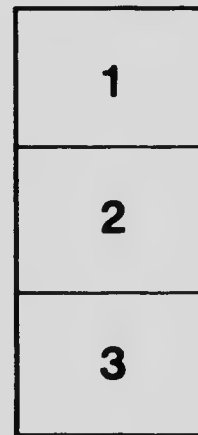
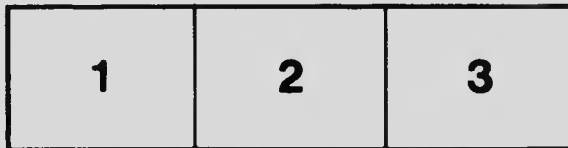
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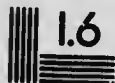
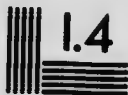
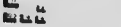
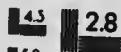
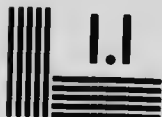
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Provisional Announcement

.... OF THE ....

MACDONALD INSTITUTE

ONTARIO  
AGRICULTURAL  
COLLEGE.



For 1903—1904.



GUELPH, ONTARIO.

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M162 A25

## Macdonald Institute.

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### CALENDAR.

1903-4.

Sept. 14...Two-year courses begin.

Sept. 14, Jan. 4, and April 8...Three-month courses begin.

Dec. 16... Christmas vacation begins.

Jan. 4... Winter Term begins.

April 1...Easter vacation begins.

“ 8...Spring Term begins.

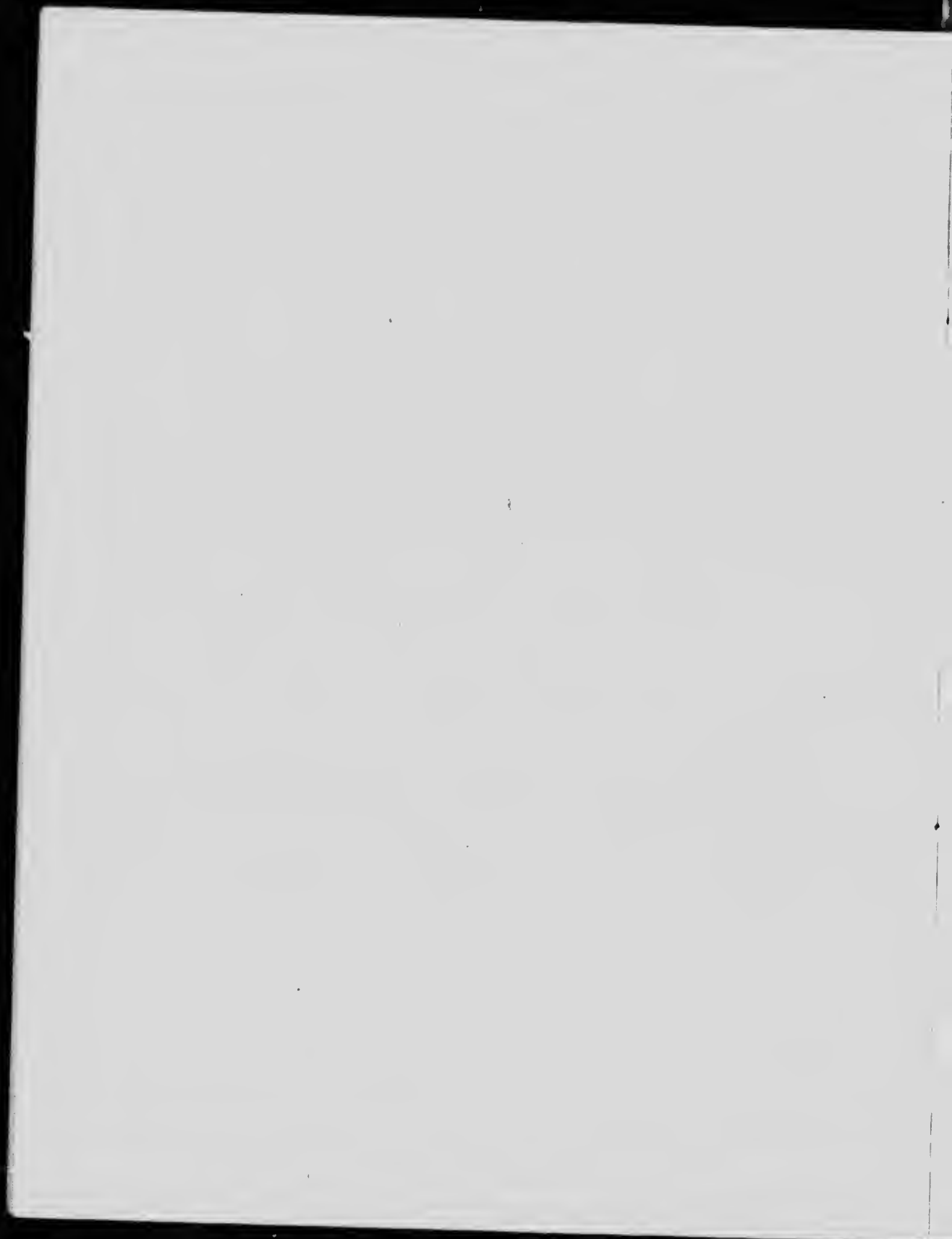
June 21 ...Two-year courses end.

“ 21...Last three months' course in College year ends.

July 2...Summer courses begin.

Aug. 15...Summer courses end.

“ 16...Summer vacation begins.





**I**N the year 1901, Sir William Macdonald, of Montreal, with characteristic liberality and public spirit, gave us \$175,000 to provide buildings and equipment for instruction and practice in Nature Study, Domestic Science, and Manual Training, for teachers, farmers' daughters, and others, at the Ontario Agricultural College, Guelph.

In order to give effect to the beneficent plans and purposes of Sir William Macdonald, two large buildings are being erected on a beautiful site adjoining the College grounds, to be known as *Macdonald Hall*, a residence for women, and the *Macdonald Institute*, which will be devoted to the instruction and practical training of farmers' daughters and others in Domestic Science and Art, and to the work of equipping teachers in Nature Study, Home Economics, and Manual Training.

The wide and important field of Nature Study is now engaging the attention of educators at home and abroad. In this field, materials of the highest educational value are everywhere available, and to equip Canadian teachers with the knowledge and skill necessary to make proper use of these materials will be one of the aims of the Macdonald Institute. Home Economics, including domestic science and domestic art, will receive a large share of attention; and Manual Training will be taught as in the Macdonald Manual Training Schools throughout the Dominion.

The Institute is only a short distance from the Hall, on the same campus, and it is hoped that the work done in it will be a valuable contribution to the educational progress of the Dominion.

## STAFF OF INSTRUCTORS.

A full and efficient staff of instructors will be appointed to take charge of the different departments and branches of the work, including a Dean, a Lady Principal, and a number of teachers. So far, only four members of the staff have been appointed :

W. H. MULDREW, B.A., D. Paed.....DEAN  
INSTRUCTOR IN NATURE STUDY, PSYCHOLOGY, PEDAGOGICS, ETC.

MISS M. U. WATSON, *Graduate of Teachers College, Columbia University*.....LADY PRINCIPAL  
INSTRUCTOR IN DOMESTIC ART, METHODS OF TEACHING  
DOMESTIC SCIENCE AND ART, ETC.

MISS K. LYMAN, B.A., (*Vassar*), M.A. (*Mc Gill*).  
INSTRUCTOR IN SCIENCE—LECTURES AND LABORATORY WORK  
IN CHEMISTRY, BIOLOGY, NATURE STUDY, ETC.

MISS HELEN GIVEN, *Graduate of the Ontario Normal School of Domestic Science and Art*.  
INSTRUCTOR IN DOMESTIC SCIENCE, ETC.

## Courses of Study

*For Teachers.*

- I. NATURE STUDY :
  1. Two Years' Course.....Specialist Certificate  
14th September to 21st June.
  2. Three Months' Course. .for Public School Teachers  
14th September to 15th December.  
4th January to 30th March.  
8th April to 30th June.
  3. Summer Course (six weeks). .for Teachers of Nature  
Study.  
2nd July to 16th August.
- II. MANUAL TRAINING : .....Certificate.  
14th September to 21st June.
- III. HOME ECONOMICS :
  1. Two Years' Course in Domestic Science..Specialist  
Certificate.  
14th September to 21st June.
  2. Two Years' Course in Domestic Art.....Specialist  
Certificate.  
14th September to 21st June.
  3. Three-Month Courses in Domestic Science and  
Art—for Public School Teachers.  
14th September to 15th December.  
4th January to 30th March.  
8th April to 30th June.
  4. Summer Courses (six weeks) — (a) in Domestic  
Science; (b) in Domestic Art,—for teachers of  
these subjects.  
2nd July to 15th August.

Two-year-course students entering for Specialist Certificates may take both Domestic Science and Domestic Art the first year, and specialize the second year, taking either Domestic Science or Domestic Art. By this arrangement, a specialist in Domestic Science will get considerable training in Domestic Art, and a Specialist in Domestic Art will be fairly well equipped for elementary work in Domestic Science.

## Courses of Study

*For Young Women Not Intending to Teach.*

### HOME ECONOMICS :

- (1) Two Years' Course in the theory and practice of housekeeping, including cooking, sewing, laundry work, etc.—Diploma.

14th September to 21st June.

- (2) Three-Month Courses in Domestic Science, etc.

14th September to 15th December.

4th January to 30th March.

8th April to 30th June.

- (3) Technical Options—

Six months or longer, according to subjects taken.

### Four Years' Course.

The intention is to offer also, at an early date, a four years' course leading to a degree in the University of Toronto, with which University the Ontario Agricultural College has been affiliated since the year 1887.

## Terms of Admission.

### A.—FOR TEACHERS.

TO THE TWO-YEAR COURSES.—Candidates who have passed the Junior Leaving or Matriculation examinations of the Province of Ontario, or possess qualifications adjudged equal to the above standard, are eligible for admission to any of the two-year courses leading to Specialist Certificates in Nature Study, Domestic Science, or Domestic Art, provided that they are approved and recommended by a Public School Inspector or by the Principal of a Secondary School in which they have studied.

Students of other institutions who have taken courses similar in character to those herein prescribed, will receive due credit for their work, on presentation of satisfactory evidence to the Dean of the Institute; and, in such cases, the time required to complete a course will be shortened in proportion.

TO THE THREE-MONTH COURSES AND THE SUMMER COURSES.—All teachers who are specifically recommended by an Inspector under whom they have taught, are eligible for elementary courses, and those showing a sufficient acquaintance with the elementary work will be admitted to the higher classes.

### B.—FOR YOUNG WOMEN NOT INTENDING TO TEACH.

Young women entering for any of the courses under this head (See Courses of Study, page 5) must have a fair elementary education,—must present a High School entrance certificate or pass an examination on the subjects prescribed for admission to High Schools and Collegiate Institutes.

**NOTE.**—If the Dean, supported by the majority of his staff, at any time decides that a student is not suited to the work of teaching, said student, upon receipt of notice, shall at once withdraw from the Teachers' Class; and when such action is taken, a fair proportion of the fees will be returned.

## **Tuition Fees and Laboratory Charges.**

### **TEACHERS:**

A three-month course or a summer course—

Nature Study. . . . tuition, \$15.00; laboratory \$5.00.

Domestic Science and Art. . . . . tuition, \$15.00; laboratory, \$8.00.

A two-year course—

Nature Study. . . . tuition, \$10.00 per term; laboratory, \$4.00 per term.

Domestic Science. . . . tuition, \$10.00 per term; laboratory, \$6.00 per term.

Domestic Art. . . . tuition, \$10.00 per term; laboratory, \$5.00 per term.

### **STUDENTS NOT INTENDING TO TEACH:**

A three-month course in Domestic Science, etc.—

Tuition, \$8.00; laboratory, \$7.00.

A two-year course in Housekeeping—

Tuition, \$6.00 per term; laboratory, \$5.00 per term.

Technical Options—

Tuition, \$8.00 per term; laboratory, according to the time spent and subjects taken, the total for a year not to exceed the yearly laboratory charges for a two-year course.

## **Board, Lodging, Etc.**

The charges for board, lodging, and washing (a dozen pieces) are \$3.00 per week.

The laundry will be open at certain times each week for the convenience of students who may wish to do extra washing and ironing for themselves.

All articles sent to the laundry must be clearly and plainly marked with good indelible ink—the initials of the Christian name and the full surname in easily legible letters on every piece.

Students are provided with ordinary furniture, beds, bedding, etc.; but they are required to furnish their own toilet soap, towels, pillows, pillow covers, sheets, and laundry bags. Each student should bring four ordinary towels, two bath towels, one pillow, two pillow covers, four sheets, and a bag in which to convey clothes to and from the laundry.

The above regulations regarding board, etc., refer only to women students who are admitted to Macdonald Hall. Men will board outside; and women may do so if they wish. The rates for board and lodging in the city and near the College are from \$3.00 to \$3.50 per week.

## **Payments for Tuition, Board, Etc.**

**TUITION.**—For a two-year course and technical options, one term in advance; for a three-month course or a summer course, the full fee at the beginning of the term.

**BOARD, LODGING, AND WASHING.**—Payments must be made from time to time throughout each term,—\$12.00 at the beginning of each period of four weeks, always strictly in advance. There will be less trouble for all concerned when payment for a term in advance can be made.

**CONTINGENCY DEPOSIT.**—Every student, old and new must, at the time of entrance, make a contingency deposit to cover breakage, fines, etc.,—two-year course and technical option students, \$5.00 each; all other students, \$2.00 each. *This deposit is not refunded till the time of final settlement, when the student is leaving the College.*

### **Macdonald Hall.**

Macdonald Hall—the Residence for Women—will be placed in charge of competent and reliable officers, in order that the young women who come to the College may be under judicious control and have all the advantages of a well-regulated home.

## **OUTLINE OF COURSES OF STUDY AND PRACTICAL WORK.**

### **NATURE STUDY.**

#### *Subjects.*

- |  |  |
|--|--|
| I. Elementary Physics<br>Elementary Meteorology                              | VII. Forestry<br>Horticulture<br>Greenhouse Work                                       |
| II. Elementary Astronomy   | VIII. Animal Life<br>Birds<br>Insect Morphology<br>Insect Ecology<br>Insect Collection |
| III. Geology<br>Physiography   |  |
| IV. Elementary Chemistry   | IX. Manual Training  |
| V. Plant Morphology<br>Plant Physiology<br>Plant Ecology<br>Plant Collection | X. Economics   |
| VI. Bacteriology   | XI. Psychology   |
|  | XII. History of Education  |



## Nature Study.

### Normal Courses in Nature Study—Specialist Certificates.

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#### First Year.

##### FALL TERM.

- (a) Physiography—Study of the surface of the land—  
an introduction to geography and geology.
- (b) Botany—Laboratory work and lectures in element-  
ary plant physiology; excursions for the study  
of the ecology of plants, with special reference  
to trees, fruits, seeds, and weeds; making collec-  
tions for use in school.
- (c) Zoology—Excursions for the study of the ecology  
of animals, especially birds; making collections  
of insects for use in school.
- (d) Special Problems—such, for instance, as the hiber-  
nation of insects; the distribution of seeds, mi-  
gration of birds, etc.
- (e) Conferences—for the discussion of methods and of  
specific subjects, mainly by students in presence  
of teachers.
- (f) Nature in Literature.

##### WINTER TERM.

- (a) Physics—Laboratory practice and lectures in  
elementary physics.
- (b) Chemistry—Laboratory work and lectures.
- (c) Botany—Lectures, with as much practical work as  
possible.

- (d) Zoology—Farm animals; anatomy of certain types.
- (e) Physiology—Laboratory work in general physiology.
- (f) Horticulture—Laboratory work and lectures; greenhouse practice.
- (g) Special Problems—such as the study of winter buds, etc.
- (h) Conferences.
- (i) Nature in Literature.

**SPRING TERM.**

- (a) Geology—Elementary—operation of dynamic agencies, etc.
- (b) Botany—Ecology of buds, fruit spurs, etc.; study of trees; identification of flowering plants.
- (c) Zoology—Ecology of insects, etc.; excursions for study of birds.
- (d) Agriculture—Experimental plots and farm crops.
- (e) Horticulture—School gardens.
- (f) Special Problems—such as the development of the frog, the currant sawfly, etc.
- (g) Conferences.
- (h) Nature in Literature.

**Second Year.**

**FALL TERM.**

- (a) Astronomy—Elementary work.
- (b) Geology—Excursions for the study of soils, rocks, minerals, and land forms.

- (c) Botany—Laboratory work and excursions for the study of plants.
- (d) Zoology—Laboratory work and excursions for the study of animals; laboratory work and lectures in entomology.
- (e) Agriculture—Field experiments as in Experimental Department.
- (f) Horticulture—School gardens.
- (g) Special problems.
- (h) Conferences.
- (i) Nature in Literature.

**WINTER TERM.**

- (a) Physics—Soil physics, etc.—Lectures and laboratory work.
- (b) Chemistry—Laboratory practice in elementary chemistry.
- (c) Botany—Plant morphology and pathology.
- (d) Bacteriology—Laboratory practice in elementary bacteriology.
- (e) Horticulture—Laboratory practice.
- (f) Agriculture—Study of farm stock and poultry.
- (g) Special problems.
- (h) Conferences.
- (i) Nature in Literature.

**SPRING TERM.**

- (a) Botany—Study of grasses, trees, etc.; forestry problems; excursions to study spring plants and flowers.

- (b) Zoology—Excursions to study birds, insects, and pond life.
- (c) Economics.
- (d) Special Problems—Such as the relation of insects to plants.
- (e) Conferences.
- (f) Nature in Literature.

Throughout the course, systematic work will be done in applied psychology, the theory and history of education, and the study of normal methods, supplemented by practice-teaching in the Institute and in a large graded Public School on the Institute grounds,—the Macdonald Consolidated School for the Province of Ontario.

### **Three-Month Courses in Nature Study**

*For Public School Teachers.*

SEPTEMBER TO DECEMBER.

- (a) Physics—Soil, air, etc.
- (b) Geology and Physiography—Elementary.
- (c) Botany—Studies of plant life, especially of plant societies, etc.; laboratory practice in plant physiology; collections of plants.
- (d) Zoology—Laboratory practice in animal physiology; birds; insect life,—collections, preparation for winter, etc.
- (e) Horticulture—Field study and laboratory practice.
- (f) Special Problems.
- (g) Conferences.

**JANUARY TO MARCH.**

- (a) Physics—Soil, air, etc.
- (b) Geology—Rocks, minerals, and soils.
- (c) Botany—Laboratory practice in plant physiology.
- (d) Forestry—Trees in winter.
- (e) Zoology—Laboratory practice in animal physiology; birds; insects and insect collections.
- (f) Horticulture—Lectures and laboratory work.
- (g) Special Problems.
- (h) Conferences.

**APRIL TO JUNE.**

- (a) Physics—Soil, air, etc.
- (b) Geology—Rocks, minerals, and soils.
- (c) Botany—Studies of plant life in spring; plant physiology; collections of plants.
- (d) Animal physiology; birds; insects of early spring; collections of insects.
- (e) Horticulture—Greenhouse work; school gardens.
- (f) Special Problems.
- (g) Conferences.

**Summer Courses for Teachers of Nature Study.**

Elementary Physics,	Collecting plants for use in
Elementary Astronomy,	School,
Elementary Geology and	Elementary Bacteriology,
Physiology,	Birds, Farm Animals, etc.,
Elementary Chemistry,	Insect Ecology,
Plant Physiology and Ecology,	Collecting Insects for use in
	School,
	Horticulture.

## Home Economics—Normal Courses.

### I.—Two Years' Course in Domestic Science. Specialist Certificate.

#### *Subjects:*

Foods,	Chemistry,
Cooking,	Elementary Biology,
Physiology and Hygiene,	Bacteriology,
Dietetics,	Physical Training,
The House,	Psychology,
Home Nursing and Emer- gencies,	Child Study,
Marketing,	Ethics of the Home,
School Sewing,	Economics,
Laundry Work,	History of Education,
	Methods in Domestic Science.

**Foods.**—The nutritive value of foods, preservation, etc.

**Cooking.**—General principles, theory and practice in cooking, study of different kinds of fuel, planning and serving of meals, etc.

**Physiology and Personal Hygiene.**—Structure and functions of the body,—digestive system, nervous system, etc.; hygiene of the body.

**Dietetics.**—Dietaries for families and for individual cases; comparison of dietaries for persons in different occupations and of different races; diet for invalids and for children of different ages, etc.

**The House.**—(a) Site, plan, and construction, including problems of lighting, ventilation, plumbing, and heating.

(b) **Furnishing**—Convenient, economical, and beautiful equipment of the various rooms.

(c) **Care**—Study and practice of the daily and periodic care of the different rooms.

**Home Nursing and Emergencies.**—Lectures, with practical illustrations and experiments in home nursing and emergencies by a trained nurse.

**School Sewing.**—The various stitches and the principles of constructive sewing,—for students who may desire a knowledge of educational sewing.

**Laundry Work.**—Experimental tests,—use of chemicals effects of hot and cold water, etc.; examination of fabrics; practical work,—washing, starching, ironing, washing of flannels, etc.

**Chemistry.**—Inorganic and organic chemistry, with special reference to food, laundry work, cleaning, dyeing, fuels, illuminants, ventilation, etc.

**Elementary Biology.**—Biology in relation to the household, to serve as a basis of physiology, hygiene, and bacteriology.

**Bacteriology.**—Elementary principles and their relation to various diseases, the decay of substances, the production of flavors, etc.

**Physical Training.**—In Macdonald Hall Gymnasium.

**Economics.**—The function of the home in society; the relation of different members of the family to the home; household expenditure, domestic service, food and labor problems, valuations and standards of living; home-making as a profession; the ideal home.

**Ethics of the Home.**—Duties of children to parents, parents to children, and both to the community around them and to the State.

**Psychology.**—Leading principles and their application in teaching.

**Child Study.**—Study of the physical and mental development of children, with special attention to the relation between the home and the school.

**History of Education.**—Brief review of the past, to aid in the better understanding of present methods and ideals.

**Methods in Domestic Science.**—The relation of Domestic Science to other school studies; the planning and presentation of lessons, etc.

Study of Normal Methods, and practice-teaching in the Institute and in a large graded Public School on the Institute grounds,—the Macdonald Consolidated School for the Province of Ontario.

## II.—Two Years' Course in Domestic Art. Specialist Certificate.

### *Subjects:*

Drawing,	Millinery,
Study of Color,	House Furnishing and Dec-
Household Sewing,	oration,
Educational Sewing,	Laundry Work,
Art Needlework,	Elementary Physiology,
Study of Textiles,	Physical Training,
Costume and Design,	Psychology,
Dressmaking,	Child Study,
Methods in Domestic Art,	History of Education.



**Study of Color.**—Practice in use of pencil and in water colors; color combination, etc.

**Sewing.**—Hand and machine sewing, management of sewing machine, study of various stitches and their uses, etc.

**Art Needlework.**—Design and drawing, with practice in execution.

**Textiles.**—Study of fabrics, processes of manufacture, industrial progress, home industries, etc.

**Design.**—Drawing outline of figure; study of gowns and historic costume; practice in designing gowns for various occasions; training in water-color drawings, etc.

**Dressmaking.**—Simple and advanced dressmaking; training in the principles and practice of dressmaking for use in the home and in special employment.

**Millinery.**—Practical and artistic millinery, showing taste in color and design, and developing lightness of touch and artistic skill.

**Home Decoration.**—Structure and furnishing of house,—furniture, wall paper, pictures, and other means of decoration.

**Laundry.**—Special study of textiles and the laundering of fine needlework, flannels, laces, etc.

**Physiology.**—See Course in Domestic Science.

**Physical Training.**—In Macdonald Hall Gymnasium.

**Psychology.**—See Course in Domestic Science.

**Child Study.**—See Course in Domestic Science.

**History of Education.**—See Course in Domestic Science.

**Methods in Domestic Art.**—Methods of teaching domestic art in public and industrial schools; planning of courses of study in correlation with other studies; relation of domestic art to education; planning and furnishing of class-rooms, etc.

Study of normal methods, and practice-teaching in the Institute and in a large graded Public School on the Institute grounds,—the Macdonald Consolidated School for the Province of Ontario.

**Three Months' Course in Domestic Science and Art for Public School Teachers.**

Cookery,	House Furnishing and Decoration,
Hygiene and Sanitation,	Home Nursing,
Dietetics,	Laundry Work,
School Sewing,	Child Study.

Also one of the following options:

Housekeeping; study of textiles; Horticulture; Poultry Raising; Home Dairy Work.

**Summer Courses of Six Weeks**

*For Teachers of Domestic Science and Art.*

Subjects selected from the Normal Courses in Domestic Science and Domestic Art.

## Courses in Home Economics

*For Young Women not Intending to Teach.*

### **I.—Two Years' Course in the Theory and Practice of Housekeeping—Diploma.**

*Subjects:*

Principles and Practice of Cookery,	Business Methods,
Sanitation and Hygiene,	Marketing,
Dietetics,	Chemistry,
Diet for Children and Invalids,	Physiology,
The House,—planning, furnishing, and care of,	Bacteriology,
Home Nursing and Emergencies,	Economics,
Sewing and Mending.	Child Study,
Laundry Work,	Ethics of the Home.

Also one or more of the following options:

Dressmaking; Millinery; Study of Textiles.

English (Conditional).

Mathematics (Conditional).

### **II.—Short Course in Domestic Science and Art.**

*Subjects:*

Cooking,	Home Nursing and Emer-
Dietetics,	gencies,
Sanitation and Hygiene,	Sewing and Mending,
House,—planning, furnishing and care of,	Laundry, Keeping Accounts.

Also two of the following options :

Dressmaking,	Horticulture,
Millinery,	Poultry Raising,
Standards of Living,	Home Dairy Work.

**Horticulture.**—Location and size of garden; general study of the management and care of garden. Different kinds of soil; preparation of soil for different crops; manures; sowing; cultivation and harvesting of garden crops. Growing and management of small fruits; elementary knowledge of fruit trees and fruit growing. Floriculture,—propagation and growing of flowers, window-gardening, greenhouse management, etc.; methods of destroying injurious fungi and insects.

**Poultry Raising.**—Site and buildings for poultry, with sketches of cheap and suitable houses; the most valuable breeds and varieties of fowls; hatching, natural and artificial; foods for different purposes; chickens, their value, care of, feeding, fattening, and preparing for market; management of ducks, geese, and turkeys; packing and preservation of eggs; diseases of poultry, etc.

**Home Dairy.**—Kind of cows to keep; milking; milk records; care of milk; methods of cream separation; hand cream-separators; care of cream; testing of milk and cream; ripening of cream; temperature; churning; working and printing or packing butter for home use and for market; utilization of by-products of the dairy; selection and care of dairy utensils,—all with special emphasis on tidiness and cleanliness.

### III.—Technical Options.

The courses under this head are for those who desire special training in certain subjects, with a view to fitting themselves for positions as cooks, laundresses, dress-makers, dietitians in hospitals, housekeepers in public institutions, etc.

#### *Subjects.*

Cooking,	Dressmaking,
Sanitation and hygiene,	Millinery,
Dietetics,	Laundry work,
	etc., etc.

One or more subjects, to be selected from the two-year courses in Home Economics.

### Manual Training.

A full course of manual training—lectures, demonstrations, and daily practice—will be given to teachers and others who desire it.

The equipment for this course is the same as in the best of the Macdonald Training Schools.

### Terms and Vacations.

There are three terms in the Institute Year :

Fall Term.....	14th Sept. to 15th Dec.
Winter Term.....	4th Jan. to 30th Mar.
Spring Term.....	8th Apr. to 21st June.

There are also three vacations:

Christmas Vacation.....16th Dec. to 3rd Jan.

Easter Vacation.....one week.

Summer Vacation.....22nd June to 13th Sept.

The short courses encroach on the Easter and summer vacations, and there are no vacations for short course students.

## Bursaries.

The late W. E. H. Massey willed to the College the sum of \$5,000, the interest on which is to be used to assist worthy and promising boys and girls who wish to take a course at the College, but are unable to pay the full charges for tuition, board, etc.

The terms and conditions under which this money will be made available have not yet been agreed upon; but Mr. Chester Massey, one of his late brother's executors, is anxious that it should be made available as soon as possible.

### Note—

As intimated on the cover, this announcement is largely provisional and subject to such additions and modifications as may be deemed advisable at a later date.

**JAMES MILLS,**  
**President.**

Ontario Agricultural College,  
Guelph, August, 1903.

