

NOVA SCOTIA
Agricultural College

TRURO, Nova Scotia



CALENDAR
1945-46

FARM COURSES
TWO YEAR DEGREE COURSE

NOVA SCOTIA
DEPARTMENT OF AGRICULTURE AND MARKETING

CALENDAR 1945-46

Nova Scotia Agricultural College

Truro, Nova Scotia

C. Eric Boulden, Principal

Kenneth Cox, Vice-Principal

H. J. Fraser, Registrar.

DEPARTMENT OF AGRICULTURE AND MARKETING
GOVERNMENT OF NOVA SCOTIA

INTRODUCTION

The Nova Scotia Agricultural College offers the following regular courses. One is a five-months' farm course, designed to give students a condensed vocational course, combining demonstration, practice and study, in preparation for life on the farm, and for citizenship. A more advanced farm course of similar length is offered to students who have completed one year in the above. The other course covers the first two years of the four-year degree course, fitting a student for the farm or for technical agriculture. The instructors trained in their own subjects are constantly in touch with farm problems and agricultural organization, due to the provincial positions which they hold with the Department of Agriculture.

The College buildings are situated at Bible Hill about a mile from the Town of Truro. The buildings include: the Main Administrative Building; the Science Building; the Horticultural Building, with greenhouses; the Dairy Building; Shops for Woodworking and Blacksmithing; the Poultry Plant and the Live Stock Pavilion.

The College farm consists of 294 acres complete with buildings and equipment.

GENERAL INFORMATION

Post Office Address: Mail is brought to the College twice daily from the Town of Truro and distributed to students. All mail should be addressed: Nova Scotia Agricultural College, Truro, N. S.

Railways: Truro is on the main line of the C.N.R. from Moncton to Halifax and from Sydney to Halifax, and is also the terminus of the C.P.R. from Yarmouth and the Annapolis Valley.

Highways: Provincial Highways Nos. 2 and 4 lead to Truro from North, South, East and West. No. 1 Highway joins No. 2 at Bedford near Halifax.

Banks: Branches of the Canadian Bank of Commerce, Bank of Nova Scotia and Royal Bank of Canada are located in Truro.

Churches:

Baptist (First, Immanuel and Zion).

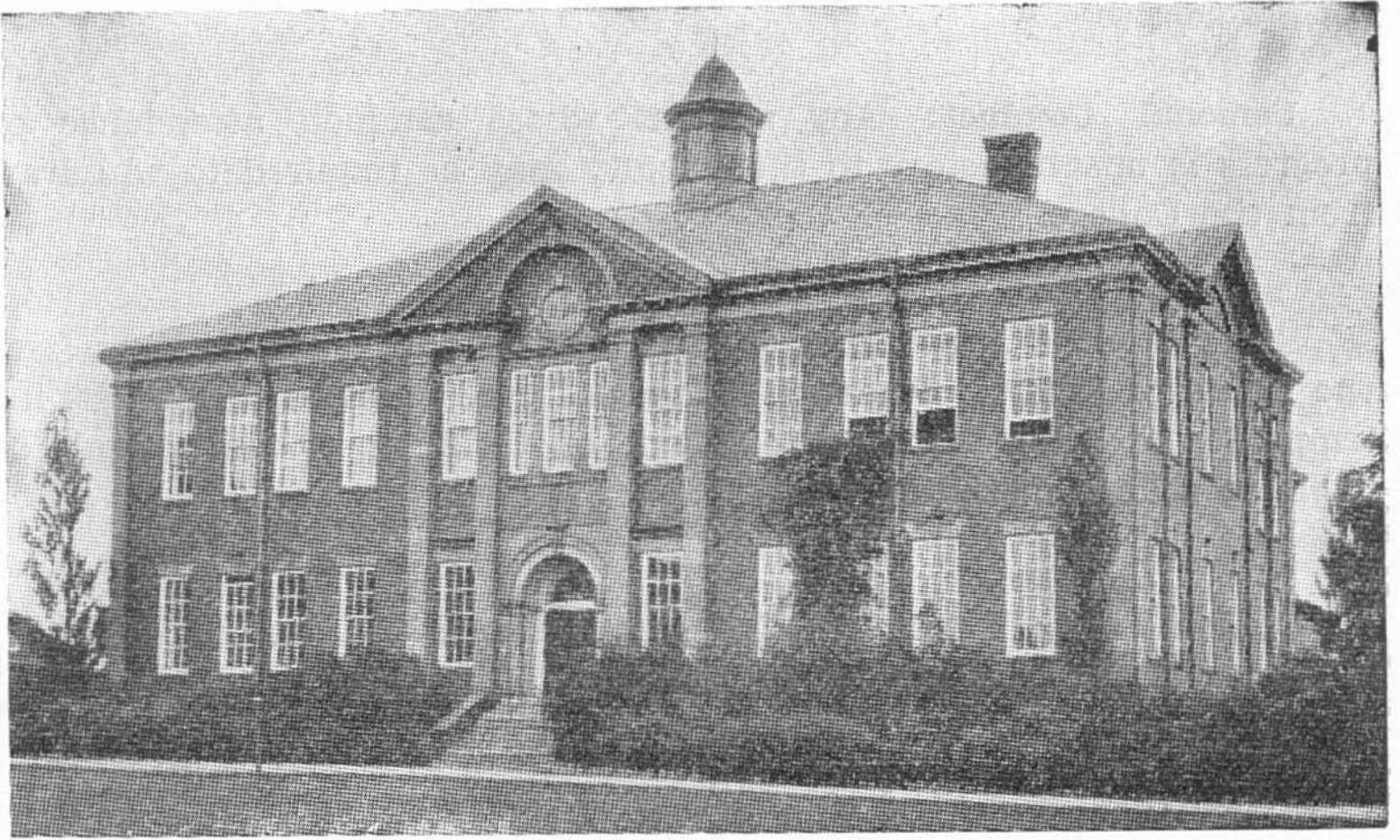
Church of England (St. Johns).

Presbyterian (St. James).

Roman Catholic (Church of Immaculate Conception).

United Church of Canada (First, St. Andrews, and Brunswick Street).

College Colors: Royal Blue and Regular Gold.



ADMINISTRATION BUILDING

TEACHING STAFF
AND DIVISION HEADS AT THE
NOVA SCOTIA AGRICULTURAL COLLEGE

- ✓ AGRICULTURAL ENGINEERING—E. Angus Banting, B.S.A.
- ✓ AGRONOMY—Kenneth Cox, M.S.A.
- ✓ ANIMAL HUSBANDRY—C. Eric Boulden, B.S.A.
- ✓ APICULTURE—H. G. Payne.
- ✓ BOTANY, BACTERIOLOGY—A. E. Roland, Ph.D.
- BUSINESS MANAGER—R. A. Langille.
- ✓ CHEMISTRY—George R. Smith, Ph.D.
R. E. Wicklund, B.S.A., M.Sc.
J. E. Milligan, B.Sc. in Agr.
- DAIRYING—W. J. Bird, B.S.A.
- ECONOMICS—W. V. Longley, Ph.D.
- ✓ ENGLISH—H. J. Fraser, B.A.
- ✓ ENTOMOLOGY—M. E. Neary, B.Sc. in Agr.
- FARM MANAGEMENT, ACCOUNTING—A. B. Banks.
- HOME ECONOMICS—Helen J. Macdougall.
- ✓ HORTICULTURE—C. M. Collins, M.S.A.
- MATHEMATICS, PHYSICS—Roy H. Stevenson, B.A., B.Sc.
- ✓ POULTRY—J. P. Landry.
- ✓ VETERINARY SCIENCE—E. E. I. Hancock, ~~V.S., B.V. Sc.~~ *D.V.M.*

(3)

E. E. BALLANTYNE, D.V.M.

GENERAL RULES AND REGULATIONS

Personal Conduct: Any student whose conduct, attendance or progress is unsatisfactory to the Faculty may be required to withdraw from the College.

Every student is expected to show respect for order, morality and the rights of others. Students found guilty of immoral, dishonest, intemperate or other improper conduct, or violation of rules, shall be liable to college discipline.

Students are not permitted to bring firearms into the buildings, nor is the use of firearms allowed on the College grounds.

Attendance: Students who absent themselves from class without previous arrangements with the Principal may not be permitted to sit for the examinations in any subject missed during such absence. Students are expected to attend all classes. In cases of illness the Principal should be notified at once.

Students are requested not to make application for additional leave either before or after holiday periods, as such leaves can only be granted in case of illness or other exceptional circumstances.

Property Damage: Should any student or students destroy or deface College property, the cost of repairing any such damage will be paid out of the caution deposits and if the individual deposit is insufficient, the balance shall be borne equally by all students.

Medical Examination: As soon as possible after enrolment, all students must submit to a medical examination under the direction of the Nova Scotia Department of Health.

Student Executives: Only students taking regular courses shall be allowed to act as executive members of the Students Council or as members of any student committees.

A committee of faculty members, appointed by the faculty, shall co-operate with student committees on financial, literary, social and athletic affairs, in order that every possible benefit may be derived from such activities.

SOCIAL AND LITERARY

The churches of the town entertain the student body on many occasions during the college year and pleasant associations are formed under the best of auspices.

The Students Council each year appoints a social committee which co-operates with the faculty of the College in carrying on certain social activities. Occasionally informal dances are held, with the Normal and Business College students attending. These are under the supervision of the student committee and one or more members of the staff.

COLLEGE MAGAZINE

The students publish a monthly paper in which all have an opportunity to express their ideas and get experience in writing articles and editorials. The student body is divided into groups, each of which is responsible for an issue of the paper, now known as AGRICOLA. This work is done under the supervision of the English Department.

DEBATING AND PUBLIC SPEAKING

A Students' Debating Society meets one evening each week and all students are required to take part. Kindly criticism is provided by members of the faculty and extremely valuable training in public speaking is thus obtained. When possible debates are also arranged with neighboring institutions.

LIBRARY AND READING ROOM

Students are invited to make full use of the books and bulletins in the College library and of the reading room material. A number of farm and trade journals, literary, scientific and general periodicals are placed in the reading room, besides the daily papers and an assortment of weeklies.

PHYSICAL TRAINING AND ATHLETICS

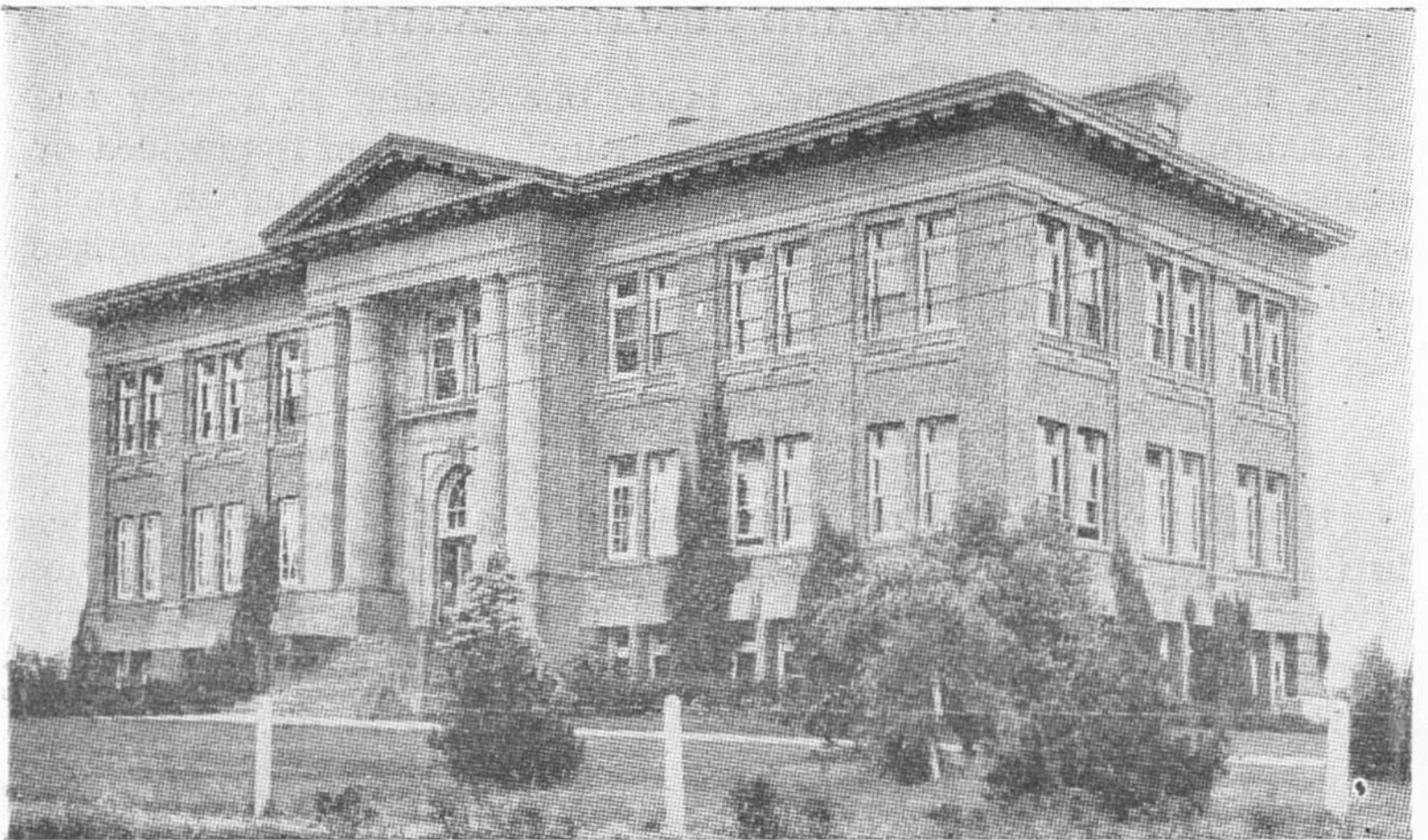
Supervised athletics are carried on in various sports including basketball, hockey, volley ball, etc., and opportunity is given for boxing, wrestling, etc.

It is hoped that every student will participate in some form of athletic activity, under the following regulations:

Class Standing: No student with an average for the past term of less than 50 per cent, or less than 40 per cent in one or more subjects, will be permitted to play on more than one team representing the College.

Outside Sports: Students wishing to take part in sports, other than college activities, as players, officials, referees, etc., must apply in writing and obtain permission from the Principal. Any expenses incurred through injury while playing in outside games will not be paid from the students' medical fund.

Faculty Representative: All teams or groups that may go to any other community or institution to participate in athletic or other activities, shall be accompanied by a member of the faculty.



SCIENCE BUILDING

CALENDAR FOR THE FARM COURSE

1945-46 Session

Registration of students, Wednesday, October 31, 1945.

Classes begin 8:45 a.m., Thursday, November 1, 1945.

Christmas vacation begins 4:30 p.m., Thursday, December 20, 1945.

Classes resume 8:45 a.m., Thursday, January 3, 1946.

Closing exercises, Wednesday, March 27, 1946.

GENERAL REQUIREMENTS FOR ADMISSION TO FARM COURSE

Candidates for this course, must:

- (1) Have acceptable farm experience (at least one season).
- (2) Have passed their 16th birthday.
- (3) Have good health and moral character.
- (4) Have preferably Nova Scotia Grade X certificate or the equivalent.

(Note: In special cases applications from students without Grade X will be considered on their merit).

EXPENSES

Tuition:

Residents of Canada.....	Free	
Students from outside Canada, per year....		\$50.00
Library	1.00	
Students' Council	3.00	
Caution deposit	1.00	
Medical services	3.00	
	<hr/>	
Total.....	\$	8.00

Board is obtainable in Truro at from \$7.00 to \$9.00 per week. Laundry and various other small expenses must be included in making up a budget.

FARM COURSES

These courses are given in practical agriculture for students who are interested in farming. They are definitely a preparation for life on the farm and for intelligent citizenship in the community.

Science will be taught to give the student a reasonable understanding of the processes which they see about them and to provide a sound basis for application of these principles in practice. In all branches of these courses emphasis will be placed on demonstration and practice.

As stated above (see calendar page 2) the first course will be for a period of five months, and to those who have successfully completed this course, an advanced course of similar duration will be given. At the completion of the advanced course, all students will be classified

A, B and C, according to their standing in each subject. Such classification will be based on the work done during the year, including certain tests. Certificates will be issued to those who have attained a satisfactory standing.

DESCRIPTION OF COURSES

Farm Management: A study will be made of farm types, farm planning, including the problem of combining land, labor and equipment in the farm enterprise, farm records, farm business.

Live Stock: Under this heading all branches of live stock, including horses, cattle, sheep, swine, poultry, etc., will be studied with demonstrations and practice in the care, feeding, breeding and marketing, as well as a study of the common diseases, their prevention and treatment. Some time will be devoted to fur bearing animals, bees, etc. Students will compete in fitting and showing live stock in the College Winter Fair.

Field Crops: Under this heading crops of all kinds will be studied from the standpoint of kinds, varieties and usefulness, the methods of field management, together with a study of soils, seeds and fertilizers, the treatment for disease and insect pests.

Fruits and Vegetables: The principles and practices involved in producing fruit and vegetable crops adapted to the Maritime Provinces will be studied. This will include practice in methods of propagation, examination of fruit and vegetable types and varieties, practice in judging, study of plant structure and of methods of protection against plant diseases and insect pests. Instruction will also be given in care and management of the farm woodlot.

Farm Mechanics: Under this heading will be included such subjects as the planning and repairing of farm buildings, a study of farm machinery and equipment, its operation and upkeep, farm power, drainage, etc. Much time is spent in practical farm shopwork.

Marketing—Marketing of Farm Produce: Instruction will include lectures by men engaged in cooperative activities in the Maritimes. Each student will be asked to write a paper on "Farm products produced in my home community and how marketed".

Community Leadership: In addition to the studies and subjects outlined above, there will be included in the courses practice in the preparation of addresses, public speaking and the conduct of public meetings, as well as studies in composition and correspondence.

Round table discussions will be held on public questions and every endeavour will be made to have the student meet and know something of the views of people who are recognized leaders in agriculture, and other lines of endeavour. In short, one of the main objects sought in this course will be to prepare the student to be an active and useful member of his community, and, in due time one of its acknowledged leaders.

CALENDAR FOR DEGREE COURSE

1945-46 Session

(Supplemental Examinations, Wednesday, October 10, 1945)

First Term

Registration of students, Wednesday, October 10, 1945.

Classes begin 8:45 a.m., Thursday, October 11, 1945.

Christmas vacation begins 4:30 p.m., Thursday, December 20, 1945.

Classes resume 8:45 a.m., Thursday, January 3, 1946.

Instruction closes 4:30 p.m., Thursday, January 17, 1946.

First Term Examinations, Saturday, January 19, to Saturday, January 26, 1946.

Second Term

Classes begin 8:45 a.m., Monday, January 28, 1946.

Instruction closes 4:30 p.m., Thursday, April 18, 1946.

Final Examinations begin Saturday, April 20, 1946.

Closing Exercises, Wednesday, May 1, 1946.

GENERAL REQUIREMENTS FOR ADMISSION TO DEGREE COURSE

Candidates for admission to this course, must: (1) Have passed their 16th birthday; (2) produce satisfactory evidence as to moral character; (3) have good health; (4) have at least one season's farm experience; (5) have a Nova Scotia Grade XI certificate, including Mathematics, or the equivalent of this certificate.

Applicants should note that while the N. S. Agricultural College does not require languages, the finishing institutions require matriculation in one language besides English.

EXPENSES

Tuition—Residents of Canada.....Free
Students from outside Canada.....\$50.00 per year
Fees: Library \$1.00; Students Council \$3.00; Medical \$3.00; Caution Deposit \$1.00; Laboratory \$1.00 first year; \$2.00 second year.
Board—obtainable at private houses at \$7.00 to \$9.00 per week.
Books—Two-year course \$20 to \$30 per year.
Incidentals—Laundry and various other small expenses must also be included in making up a budget for the year.

RAILROAD FARES REFUNDED

New Brunswick — Students from the province of New Brunswick, taking any two-year course will have one return railroad fare refunded to them each year by the New Brunswick Department of Agriculture, such refund to be made at the close of the second term, provided they have passed the requirements for each year.

SYLLABUS OF DEGREE COURSES

The course in the first and second years is designed to give an adequate grounding in the sciences, with as much vocational training as time permits. The course of studies is determined largely by the admission requirements of Macdonald College and of the Ontario Agricultural College where N.S.A.C. students, who qualify for admission, pursue third and fourth years' studies.

Each student must make known to the Registrar not later than November 1st at which of the above institutions he intends to complete his course. This is necessary in order that time table arrangements may be made to meet the requirements.

DESCRIPTION OF COURSES

The following courses are arranged for the college year 1945-46. The faculty reserves the right to make any revisions and additions that may be found necessary.

AGRICULTURAL ENGINEERING

1. (a) **Elementary Building Construction:** Planning of farmstead homes; other farm buildings; remodelling buildings.

1st yr. 2nd term—2 lecs. per week.

(b) **Elementary Plan Drawing:** Use of drawing instruments; Elementary drawing problems.

1st yr. 1st term—1 lab. per week.

(c) **Farm Shop Work:** Rope splicing; belt lacing; harness repairing; cold metal work; forge work.

2nd yr. 2nd term—2 labs. per week.

(d) **Farm Machinery, Tools and Appliances:** The construction, adjustment and lubrication of implements, tools, etc.

2nd yr. 1st term—1 lec. per week.

AGRONOMY

2. **Field Crops.** History; importance; adaptation; rotations; study of crops grown in Maritime Provinces and seed identification.

1st yr. 1st term—2 lecs. and 1 lab. per week; 2nd term—1 lab. per week.

3. **Seeds.** Study of suitable varieties and what constitutes good seed of these varieties; sources of supply; preparation; grading; use of seed cleaning machinery. Grading regulations and services. Canada Seeds Act. Canada Grain Act. Judging.

2nd yr. 2nd term—1 lec. and 1 lab. per week.

ANIMAL HUSBANDRY

4. **Live Stock—Breeds and Management.** A study of the origin, type and breed characteristics, breeding policies and practices and the care and handling of all classes of live stock.

Dairy Cattle and Beef Cattle, Horses, Sheep and Swine.

1st yr. 1st term—2 lecs. per week.

2nd yr. 1st term—2 lecs. per week.

5. **Selection and Judging.** Placing with reasons (both written and oral). Judging live stock includes trips to herds of prominent live stock breeders.

Breeding and market classes of cattle, sheep, swine and horses.

1st yr. 1st term—1 lab. per week.

2nd yr. 1st term—1 lab. per week.

6. **Feeds and Feeding.** A study of roughages, succulents, concentrates, minerals, vitamins, etc., and the compounding of rations, value and suitability of different feeds and mixtures for the various classes of live stock.

1st yr. 2nd term—2 lecs. and 1 lab. per week.

APICULTURE

7. A course in modern beekeeping methods is given, consisting of a study of the life cycle and habits of the bee, methods of securing and handling bees, location of the apiary, swarming and swarm control, requeening, the installation of package bees, increase other than by swarming, honey production and preparation for market, wintering bees and practical features of preparing equipment such as assembling hives, wiring frames, etc.

2nd yr. 2nd term—2 lecs. per week.

BIOLOGY

8. **Introductory Botany.** A general course covering the fundamentals of plant structure, growth, reproduction and classification, using representative groups of the plant kingdom for laboratory study.
1st yr. both terms—2 lecs. and 2 labs. per week.

9. **Economic Botany.** A study of the common plants, along with identification and control of weeds, etc. Each student must bring to the class a collection of weeds and weed seeds. These should be collected during the holiday period between the first and second year,

and must be pressed and mounted according to instructions which will be given in class. This work must be completed before credit will be given for the course.

2nd yr. 2nd term—1 lec. and 1 lab. per week.

10. **Bacteriology.** An introductory course which aims to acquaint the student with the morphology, physiology and methods of reproduction of molds, yeasts and bacteria; the relationship of each to agriculture as well as to disease.

2nd year—1 lec. and 1 lab. per week — one term.

11. **Zoology.** An introductory course in general zoology, covering the anatomy, histology, physiology and reproduction of animals. Representatives of the more important phyla of the animal kingdom are studied in the laboratory.

2nd yr. both terms—2 lecs. and 2 labs. per week.

12. **Entomology.** An elementary course in the study of beneficial and injurious insects and their control. All students will be required to make a collection of insects between the first and second years.

CHEMISTRY

13. **Elementary Chemistry.** A lecture and laboratory course which involves a study of chemical changes, acids, bases, salts, organic compounds, foods and fuel. Illustrations when possible taken from farm experiences.

1st yr. both terms—2 lecs. and 2 labs. per week.

14. **Geology.** A study of minerals and rocks, in view of their economic value in agriculture.

1st yr. 1st term—1 lec. per week.

15. **Soil Chemistry and Soil Physics.** A study of soil texture, acidity, organic matter and other factors which affect soil fertility and plant growth.

1st yr. 2nd term—1 lec. per week.

16. **Analytical Chemistry.** Principles and practices involved in the study of qualitative and quantitative analysis. Analysis of soil, fertilizers, insecticides and other materials.

2nd yr. 1st term—1 lec. and 2 labs. per week.

2nd term—1 lab. per week.

17. **Organic and Biochemistry.** Preparation and study of the classes of organic substances. Formation of and changes in organic matter in plant and animal life.

2nd yr. 1st term—1 lab. per week.

2nd term—1 lec. and 2 labs. per week.

DAIRYING

18. **Farm Dairying:** A general course of lectures and practical work. The lectures deal with: composition of milk; factors influencing composition of milk; care of milk and cream on the farm; cow testing; elementary calculations pertaining to milk and its products; dairy regulations. Laboratory work consists of testing milk, skimmed milk and cream by the Babcock method, operating separators, elementary tests for quality of milk.

2nd yr. 2nd term—Time to be arranged.

ECONOMICS

19. **The Development of Canadian Agriculture.** An orientation course in agriculture. A study of the development of Canadian agriculture, more particularly as applied to the Maritime Provinces. The present status of agriculture, how organized, its relation to other industries.

1st yr. 1st term—1 lec. per week.

20. **Cooperation.** A course in Cooperation covering principles, history, marketing, producers', consumers', and credit cooperatives. Instruction will include lectures by men engaged in cooperative activities in the Maritimes. A paper on some phase of cooperation is one requirement of the course.

1st yr. both terms—1 lec. per week.

21. **Principles of Economics.** A study of the elementary principles of Economics in the effort to present a picture of the main factors influencing our economic organization.

2nd yr. 1st term—3 lecs. per week.

ENGLISH

22. **History of English Literature.** A rapid survey course, with particular attention given to contemporary history.

1st yr. both terms—1 lec. per week.

2nd yr. 1st term—1 lec. per week.

23. **Class Reading** and interpretation of typical English drama and prose.

- (a) Elizabethan drama.
Shakespeare: Hamlet, King Lear, MacBeth.
English Essays: Earlier and modern.
Outside Reading: Kingsley's Westward Ho.
Reade's The Cloister and the Hearth.

1st yr. both terms—1 lec. per week.

- (b) Romantic and Nineteenth Century prose and poetry.
English short stories.
Outside reading: Assigned typical fiction.

2nd yr. both terms—1 lec. per week.

24. Composition

- (a) Word, sentence and paragraph study.
Weekly themes required.

1st yr. both terms—1 lec. per week.

- (b) Types of prose writing with illustrative themes.
Seminars on term and research papers.
Brief courses in the history of the drama, in Canadian literature and in news writing and journalism will also be given.

2nd yr. both terms—1 lec. per week.

25. **Public Speaking.** The work in this course is done in the Students' Debating Society. At least fifteen evenings per year are required of both first and second years.

FARM MANAGEMENT

26. A brief study of the underlying principles of Farm Management, including farm planning.

1st yr. 2nd term—1 lec. per week (half term).

HORTICULTURE

27. **Small Fruits Culture.** Discussion of the various factors entering into the establishment of small fruit plantings and the cultivation, pruning, harvesting and marketing of the various small fruits of importance in Eastern Canada.

1st yr. 1st term—2 lecs. per week.

28. **Practical Orcharding.** This course attempts to cover, from a project standpoint, the different operations from the establishment of an orchard, through pruning, fertilizing, cultivation, spraying, thinning, harvesting, grading and marketing, etc.

1st yr. 2nd term—2 lecs. per week.

29. **Plant Propagation.** Discussion of sexual and asexual methods of plant propagation and practice in seeding, layering, division, grafting, making cuttings, use of hot beds and cold frames, etc.

2nd yr. 2nd term—1 lec. per week.

30. **Vegetable Crops.** The lecture periods in this course take up the culture of specific vegetable crops, covering the field of those vegetables grown for commercial or garden use in Eastern Canada. The laboratory periods take up in more detail the discussion and examination of types and varieties, judging work with the more common vegetables in order to fix these types in the student's mind. In addition the student will be given opportunity to become familiar with seeds of different varieties of vegetables.

2nd yr. 1st term—2 lecs. and 1 lab. per week.

31. **Forestry.** Instruction in care and management of the farm woodlot and methods of reforestation.

2nd yr. 2nd term—Time to be arranged.

MATHEMATICS

32. **1st year Mathematics.** Variation. Logarithms. Trigonometric ratios. Problems in heights and distances. Surveying problems. Solution of triangles. Radian measure. Compound interest. Graphs. Plotting of simple curves.

1st yr. both terms—3 lecs. per week.

33. **2nd year Mathematics.** Binomial Theorem. Approximations. Exponential series. Natural Logarithms. Formulation of Calculus; Differentiation. Slopes; Rates; Maxima and Minima. Simple Integration. Integration between limits. Areas.

2nd yr. both terms—3 lecs. per week.

PHYSICS

34. **1st year Physics.** An elementary course dealing with basic laws in Mechanics, Heat, Electricity, etc. and with familiar applications of these laws. Experimental work and the use of mathematics is emphasized. The course is designed to aid a student to learn to select useful information, to make measurements carefully, to record data clearly, and to discuss results intelligently.

1st yr. both terms—3 lecs. and 1 lab. per week.

35. **2nd year Physics.** A continuation course which covers the same ground as Physics 34 but with more intensive treatment. Certain topics will be studied in greater detail, additional references given, and more difficult experiments carried out. The aim of the course is to give all students a thorough understanding of the essential principles, and also to give additional training to students who are especially interested in scientific work.

2nd yr. both terms—3 lecs. and 1 lab. per week.

POULTRY

36. **History and scope of poultry production work in Canada and**

the Maritime Provinces in particular; a brief introduction to the origin of the breeds of poultry and their adaptability to our climate; anatomy and physiology; judging.

Principles of poultry house construction. Laying house; brooder house; materials required; interior equipment; yards.

Principles and Practice of Poultry Feeding. Digestibility and composition of feeds; minerals; vitamins; rations; system in feeding; feeding chicks, growing stock, layers.

Formation of the egg and the chicken. Natural and artificial incubation; brooding; composition of fowl's body and egg in relation to feed consumed.

1st yr. 1st term—2 lecs. per week.

VETERINARY SCIENCE

A study of body structures and their functions; disease prevention and animal nursing.

1st yr. 2nd term—1 lec. per week.

THE COLLEGE DIPLOMA AND STANDARDS

(DEGREE COURSE)

Students who complete the course in a manner satisfactory to the faculty—using 40 in each subject and an average of 50 as a standard—will be awarded a diploma. The N. S. A. C. diploma confers upon students the status of "Associate of the Nova Scotia Agricultural College with all the rights and privileges pertaining thereto."

Final examinations will be given in all courses at the end of each term. Continuous courses will be divided into two sections, one for each term, and students will be required to pass in each section, with the following exceptions:

1. A first-year student who failed to make a pass on the first term's work in any continuous course may be allowed to have his first and second term marks averaged for the year.

2. Second year students who fail to make a pass on the first term's work of any course may be allowed to write a supplemental examination not later than thirty days after the publishing of the first term marks.

Students who are conditioned in courses that have an aggregate value of 12 credits or less in one year may write supplemental examinations.

Students who are conditioned in courses which aggregate in value more than 12 credits in one year, will not be permitted to go on to the next year's work, or will not be awarded a diploma.

Note: One lecture period per week for one term is rated as one credit. One laboratory period per week for one term is rated as one credit.

A student who is allowed to repeat a year may, by special permission of the faculty, be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed creditably, and in the case of a student repeating the first year's work, he may be required to take one or more subjects of the second year, in order to lighten the second year's work.

Class standing at the end of each term will be reported by divisions as follows:

75% or over	A Division	50% to 59%	C Division
60% to 74%	B Division	40% to 49%	Pass

THE COLLEGE WINTER FAIR

During each college year the students put on a College Winter Fair. The program and show are organized and handled by the students, who hold the various offices necessary for the satisfactory operation of an exhibition, including classes of various farm products and demonstration booths. It is a competition in fitting and showmanship rather than a contest among the animals exhibited. Horses, cattle, sheep, swine and poultry are used in the competition.

The Grand Challenge Shield, donated by the Honourable John A. McDonald, Minister of Agriculture, in 1935-36, is awarded to the student who wins the highest total score for all classes.

There are silver trophies awarded for the champion fitter and exhibitor in the different classes. These are as follows:

Dairy Cattle	—*The Dr. John M. Trueman trophy.
Beef Cattle	—**The F. L. Fuller trophy.
Horses	—The Dr. M. Cumming trophy.
Sheep	—The H. K. MacCharles trophy.
Swine	—The F. W. Walsh trophy.
Poultry	—The J. P. Landry trophy.
Seeds	—The Kenneth Cox trophy awarded for the best preparation of seed for exhibition.

*Donated in memory of a former Principal, the late Dr. J. M. Trueman, by Mrs. Trueman and their two sons, Howard and Albert.

**Donated by Mrs. Fuller and family in memory of the late Fred L. Fuller, first superintendent of the College Farm and for many years Superintendent of Exhibitions and Agricultural Societies, and secretary of the Maritime Stock Breeders' Association and the Maritime Winter Fair.

CRESTS AND AWARDS

ACADEMIC — LITERARY — ATHLETIC

All regular students shall be eligible for Crests and Awards regardless of other honors won. Special or short course students shall not be eligible.

The **Academic Award** shall be available only at the end of the second year. The work of both years shall be taken into account. No degree course student having less than ten A's and no general course student having less than twelve A's in each of the two years shall be eligible. (Rule subject to change in the curriculum).

The **Literary Award** shall be given for excellence in public speaking, social activities, dramatics and college journalism and shall be available to both first and second year students in regular courses.

The **Athletic Award** shall be given for: (a) Basketball—students who have actually played in four basketball games annually, representing the College in recognized league or inter-collegiate games, shall be eligible; (b) Hockey—students who have actually played in four hockey games annually, representing the College in recognized league or inter-collegiate games, shall be eligible.

All-round qualities of scholarship, deportment, leadership and good sportsmanship in college activities generally, shall constitute one-half of the total points in reckoning eligibility for all awards.

Recommendations for all awards shall be made by special committees of the staff and students and approved by the faculty in regular session.

The number of awards made in any one year shall rest with the committees.

MACDONALD COLLEGE SCHOLARSHIP

The Macdonald College scholarship was first offered for annual competition in 1930. This scholarship, consisting of free tuition for two years at Macdonald College and representing a value of \$100, is awarded to the student who attains the highest standing in the work of the second year of the degree course and who continues his studies at that College.

SPECIAL PRIZES

GOVERNOR-GENERAL'S MEDAL

A silver Medal was first offered for annual competition by His Excellency the Governor General of Canada in 1914. It is awarded each year by the members of the faculty to the student of the graduating class who has attained the highest standing during the two years of his college course. In determining "highest standing", scholarship and leadership in student activities, in the order named, are the deciding factors in making this award.

NEW BRUNSWICK DEPARTMENT OF AGRICULTURE PRIZES

The New Brunswick Department of Agriculture offers \$50 for prizes for students from that province who do the best work during the first year in any two year course. The prizes will be awarded on the closing day at the end of the second year. The \$50.00 will be divided into three prizes of \$25.00, \$15.00 and \$10.00.

PRINCE EDWARD ISLAND DEPT. OF AGRICULTURE PRIZES

The Prince Edward Island Department of Agriculture offers \$50 for prizes for students from that province who do the best work during the first year in any two-year course, and continue the course for the second year. These prizes will be awarded on Closing Day at the end of the second year. The \$50 will be divided into three prizes of \$25, \$15 and \$10 each.

THE MARITIME BEEKEEPERS' ASSOCIATION PRIZES

The Maritime Beekeepers' Association offers a prize of \$10 to the student of the Senior Degree class who turns in the best paper on "Apiculture" at the final examination; for the second best paper, a volume of "ABC & XYZ of Bee Culture" is given.

THE SEED JUDGING TROPHY

A group of Prince Edward Island farmers who attended the short course at the N.S.A.C. in 1911, donated a handsome silver trophy "for competition in seed judging by regular students." Names of the winners have been engraved thereon each succeeding year.

NOVA SCOTIA DEPARTMENT OF AGRICULTURE PRIZES

The Nova Scotia Department of Agriculture offers prizes for term papers in Cooperation, relating to some cooperative organization, cooperative work in any community, district or area, or some phase of cooperation. Prizes will be given as follows: 1st, \$5.00; 2nd, \$3.00; 3rd, \$2.00; 4th, \$1.00.

THE L. C. HARLOW BASKETBALL TROPHY

In 1931 Professor L. C. Harlow donated a silver trophy for Inter-class basketball. It is competed for annually.

HOME STUDY COURSES

In order to help those who are unable to attend the College but who want practical information on farm work, a number of courses will be given by correspondence. These will be given during the winter months. The instruction will be as simple and as complete as possible. Those taking the courses may be required to secure text books and will send in reports and answers to questions regularly to the instructors at the Agricultural College.

The cost of registration will be \$1.00 for each course and the price of the text books. These will be secured by the College at as low a price as possible.

Courses will be given in the following subjects and will consist of approximately twelve lessons each:

1. Soils, Fertilizers and Lime.
2. Field Crops.
3. Animal Husbandry — Cattle Feeding.
4. Poultry.
5. Cooperative Marketing.
6. Apiculture.

SHORT COURSES

Special announcements will be made for short courses as they are arranged.

For further information write to The Registrar, Nova Scotia Agricultural College, Truro, N. S.

