

The farm short course: 1939-40. 1939

University of Wisconsin. College of Agriculture Madison, Wisconsin: University of Wisconsin, 1939

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BULLETIN & THE UNIVERSITY & WISCONSIN

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W E'LL MEET the farming of tomorrow best by facing the issues of today squarely and with courage. This will call for adequate training of the young men and women of the farm who will, in the near future, man our farm homes and carry on our farm enterprises. The Wisconsin Farm Short Course has been planned with this single purpose in mind.

This L. Shistenese

The Farm Short Course=

THE FARM SHORT COURSE at the University of Wisconsin offers you an excellent opportunity to train for farming. This course at the College of Agriculture includes not only the technical side of agriculture but also concerns itself with the cultural, social, and economic relationships of rural life.

Wisconsin is primarily a state in which farming is the chief enterprise, and naturally before you enter this field you will want to know more about its problems, its practices, and its people.

A few years ago we reorganized the Short Course—broadened it educationally—and the response which we have had from the farm families of Wisconsin to this reorganization has been most gratifying. Young men from every county in the state, perhaps some of them right from your own community, have attended. The map on page 32 will

give you a state-wide view of where these young men live. They have time and again expressed themselves most favorably, not only with respect to the courses, but with the simple accommodations provided for them while living and working together here on the campus.



Students and director plan their work



There's more to good livestock than shows on the surface

Courses You May Take

The Farm Short Course for 1939-40 opens November 13 and closes March 9. The training extends over a period of two winters of fifteen weeks each; and many of the young men return for a third winter of study. A large majority of the students plan to return to the home farms after graduation; and the general farming schedule on page 31 indicates the large number of courses from which you may choose. All of these courses are taught by the regular teachers of the College of Agriculture. The classes are held in the various classrooms and laboratories of the University. A few students who plan to enter special fields may, at registration, select from the courses offered and specialize in dairy herd improvement, farm engineering, herdman's work, farm management, poultry, or others.

Who Comes?

In 1938-39 the Farm Short Course enrolled 375 young men. They represented almost every county in Wisconsin. The Course is planned both for those who have finished high school and for those who have left school in the grades. Last year over 75% of the students were high school graduates. Their

average age was a little more than 21 years and all had a rich background of farm experience. There are no entrance requirements but the young man planning to enroll should be around twenty years or older. The previous school experience is considered in sectioning classes.

Working Together

The dormitory, which has been a part of the Farm Short Course for the past seven years, is very simple but affords a comfortable place to live. The buildings are on the agricultral campus and are the center of student activity. The rooms are well heated, lighted, modestly furnished, and the building is equipped with showers. There are no frills about the living conditions but all the necessities are there. Here you'll learn to know and appreciate the fine young men who take time away from their farms each winter to prepare themselves for leadership in farming. Here you'll form many valuable friendships which you'll keep through life. The necessity for farmers to work together is becoming more and more evident; and the contacts which you will make in your dormitory life will help train you for later service in group activities. It is remarkable how these young men work out



"Horse power" comes from good foundation stock

their own rules and how serious they are in respecting the rights of their fellow students. Their leadership training begins here.

The dining room for the Farm Short Course students is on a cooperative basis. The meals are well balanced, well prepared and wholesome; and at the end of each year we can count up in tons many of the items of food consumed.

What's the Cost?

In reorganizing the Farm Short Course we tried to bring its cost within the reach of a large number of young men living on our farms. This year it will be possible for you to attend at the following estimated cost:

> Room (\$1 a week)\$15.00 Board (\$4 a week) 60.00 Fees (see page 10) 22.00

Total\$97.00

This, we believe, is within the reach of hundreds of Wisconsin young men. It is an opportunity you can't afford to miss. Both the dormitory and dining room must pay their own way, and to make this possible, the young men do their own housekeeping, and other tasks, for which many other students pay cash.

One of the valuable additions to the Farm Short Course is the broad educational training through the "evening forums." The young men meet two or three evenings a week in the assembly room of Short Course Hall to discuss problems which have a direct bearing upon your success as a farmer. These meetings are open discussion between the leaders, from both off and on the University campus, and the students. Last winter the discussions covered many fields, including health, industry, labor, insurance, education, art, transportation, economics, foreign trade, and others. A similar program for this winter will include many interesting topics which you'll enjoy talking over. The students, too, present their own programs at the evening meetings. These may be musical programs. plays, or discussions of problems of general interest.

Scholarships

For a number of years the Regents of the University have made available 20 scholarships of \$75 each to first-year students in the Farm Short Course who are residents of Wisconsin. A commercial firm has also made available 15 scholarships of \$45 each.

Every young man interested in the Farm Short Course has an opportunity to try for one of these scholarships. Why not write V. E. Kivlin, Director of Short Course, College of Agriculture, today for complete information. This contest closes on October 14.

Keeping Well

The health of the student is cared for by the department of student health of the School of Medicine. All students are given a physical examination upon entrance; and any time you're not feeling well, you may consult the student health department, free of cost. A part of the fee you pay takes care of this important service and provides for your care, if you're advised to go to the student infirmary or hospital. Students requiring special care—X-ray, major surgery, or treatment of ears or eyes are referred to specialists at the expense of the student.

Outside Activities

If you like to sing, you'll enjoy the Glee Club which is directed by a faculty member of the School of Music. At the suggestion of the young men who attended last year, we plan to have a Farm Short Course Band.

If you enjoy athletics, you'll have a chance to take part in basketball, boxing, swimming, and other winter sports which are popular.

The churches of all denominations in Madison have their student organizations and services to which Farm Short Course students are welcomed.

Other Information

The main course requires two winters of 15 weeks each and 36 credits for graduation. The first-year schedule is required of all students who are not high school graduates. Graduates of high schools who have had three or four years of vocational agriculture may complete the course in one winter of 15 weeks. They may select the courses from either the first- or second-year schedule (see page 31).

At least 18 credits and 15 weeks must be completed at Madison before a certificate is granted. A standing of 60 or more is a passing grade. If a subject is elected by a student, it cannot be dropped unless permission is secured from the Director of Short Course. Failure in any course must be removed before graduation. A student may not select more than five courses during any one term.



Farm machinery is valuable and deserves the best of care

Students who want to, may room in private homes. The Director of Short Course will have a list of rooms available on the day of registration. Students located in a rooming house are not allowed to move to another house without consent of the Director of Short Course. A small number of books

will be needed, but it is not advisable to buy them in advance.

Students enrolling the first term pay the fee (\$22.00) for the entire year, 15 weeks. Students enrolling at the beginning of the second or third term pay about two-thirds or one-third of the total.

	Fees	For Residents of Wisconsin	Not Residents of Wisconsin
Total fees for 15	Tuition		\$51.67
weeks for those	Incidental and Memorial .	\$11.00	11.00
entering First	Infirmary	3.75	3.75
Term	Laboratory	5.25	5.25
	Laboratory deposit		2.00
		22.00	73.67
Total fees for 10	Tuition		34.45
weeks for those	Incidental and Memorial	7.67	7.67
entering Second	Infirmary	2.50	2.50
Term	Laboratory	3.50	3.50
	Laboratory deposit	2.00	2.00
		15.67	50.12
Total fees for 5	Tuition		17.22
weeks for those	Incidental and Memorial	4.34	4.34
entering First	Infirmary	1.25	1.25
Term only or for	Laboratory	1.75	1.75
Third Term	Laboratory deposit	2.00	2.00
		9.34	26.56

Students who pay for the entire course, but who drop out at the end of the first or second term, are refunded two-thirds or one-third respectively, of the entire fee. Students must notify the Director of Short Course on the day of withdrawal in order to secure refunds.

Students who drop out during one of the five-week terms are refunded the entire fee for each whole term remaining and on the following basis for partial term remaining according to the time of withdrawal: 75% if during the first week of the term, and 50% if during the second week of the term. After the second week, no refund is issued for that term.



We must be able to "pick the winners" when buying sheep

Courses You May Take

AGRICULTURAL BACTERIOLOGY MR. SARLES

FARM BACTERIOLOGY. Bacteria are important in farming. What bacteria are, how they live and grow, their effect on the soil and soil fertility; their relation to water, water supply, and sewage disposal; their effect on milk and its products, and to transmissible diseases of livestock are interesting parts of this course.

AGRICULTURAL CHEMISTRY Mr. PHILLIPS

FARM CHEMISTRY. This everyday chemistry about farm plants and animals includes: Plant growth in relation to soil and air, the chemistry of digestion, mineral feeds and mineral needs of dairy cows, protein and vitamin needs of animals. The chemistry of commercial fertilizers and of spray materials is also studied.

AGRICULTURAL ECONOMICS

Mr. Hobson, Dean Christensen, Mr. Hibbard, Mr. Parsons, Mr. Anderson, Mr. Mitchell, Mr. Schaars, Mr. Riley, Mr. Leopold

FARM ECONOMICS 1. Economic problems which confront the farmer, cost of production and prices, changes and

trends in prices of farm products, over-production and the surplus; the tariff, bounty, and other plans for farm relief and price stabilization.

FARM ECONOMICS 2. The relation of the farm to land tenure, credit and taxation. Problems of land utilization; land values and appraisal; problems of the farmer in renting and buying land and obtaining credit; a brief survey of farm taxation.

Marketing. Necessary marketing services, agencies, and methods; marketing channels, cooperative marketing and the middleman system, market prices, marketing weaknesses, and marketing improvements. The relationship between economical production, quality products, efficient marketing, and better rural social life.

FARM MANAGEMENT. How the various farm operations may be correlated so the entire farm may be handled more successfully and economically. Location and size of farm; crops and livestock best suited; layout of the farm; capital and equipment necessary for various types of farming; and problems of farm help.

Cooperative Marketing. The objectives, organization, setup, and methods of doing business by cooperative marketing associations. Special phases, such as membership con-



It's a good thing to know "why" as well as "how" to do it

tracts, pooling, financing, and incorporation, are treated. Current cooperative marketing issues and a review of the commodity organizations within the state.

FARM BUSINESS AND LEGAL PRACTICE. The common legal practices which concern the farmer such as mortgages, contracts, leases, and abstracts.

WILDLIFE MANAGEMENT. How to build up the game, fur, and other wildlife on Wisconsin farms by establishing food and cover on waste land. How to study natural history as a personal hobby. How to organize neighborhood groups for the control of hunters and the conservation of wildlife. Part of the course consists of field trips to the University Arboretum and to areas near Madison where the farmers are practicing wildlife management.

AGRICULTURAL ENGINEERING MR. DUFFEE, MR. WITZEL, MR. BRUHN

FARM MACHINERY. Farm implements such as the plow, mower, binder, corn planter and cultivator are studied to give the student a good understanding of the construction and operation of the different types.

FARM MECHANICS AND STRUCTURES. Actual work and study of leveling, subdivision of land, water supply, sewage disposal, plumbing, heating and ventilation; concrete construction, thread cutting, soldering, rope work, and harness repair.

FARM POWER. Practical work in adjusting and running the gas engine and the tractor, making fuel consumption tests, and in locating and remedying common troubles. RURAL ELECTRIFICATION. The use of electricity on the farm, including plans for wiring farm buildings, motors and switches, the electric fence and many other applications.

AGRICULTURAL JOURNALISM MR. SUMNER, MR. RASMUSSEN

FARM ADVERTISING. Salesmanship is needed on the farm. The farm name, the farm letterhead, the classified advertisement, sales appeals, and catalogs.

FARM CORRESPONDENCE. The writing of farm letters, minutes of meetings, reports, communications and addresses for farm organizations.

AGRONOMY

Mr. Aamodt, Mr. Graber, Mr. Wright, Mr. Ahlgren, Mr. Stone, Mr. Holden, Mr. Shands

THE PLANT WORLD. The agricultural plants as they relate to the plant kingdom, how plants feed and grow, and their relationship to food supply and food storage.

FARM CROPS. Varieties of field crops for Wisconsin and methods of handling them through all phases of culture and harvest.

FORAGE CROPS. The best methods and practices in handling and improving legumes and other forage crops.

SEED PRODUCTION AND WEED CONTROL. The breeding, production, marketing, and judging of Wisconsin grains and corn, and ways to control weeds.



Plenty of food and almost as good as mother's!





The "evening forums" bring out both sides of the question



Learning how to take care of meat

ANIMAL HUSBANDRY

MR. DARLOW, MR. FULLER, MR. FARGO, MR. ROCHE FEEDS AND FEEDING. The study of feeding stuffs, principles of feeding, and rations.

BEEF CATTLE AND SHEEP MANAGEMENT. The selection, care and management of the common breeds.

HORSE AND SWINE MANAGEMENT. The selection, care and management of the common breeds.

MEAT AND MEAT PRODUCTS. The selection, butchering, and care of meat.

DAIRY HUSBANDRY

Mr. Heizer, Mr. Humphrey, Mr. Rupel, Mr. Vergeront, Mr. Harris, Mr. Cramer, Mr. Werner

THE ANIMAL WORLD. A general course to give a picture of the common farm animals in their relationship to the animal kingdom. The developments of our farm animals and their improvement.

FEEDS AND FEEDING. The study of feeding stuffs, principles of feeding, and rations.

Advanced Feeds and Feeding. Special application to specific problems of feeding.

DAIRY HUSBANDRY. A survey of the production phases of the dairy industry.

Dairy Cattle Breeds and Breeding. A study of the dairy breeds.

DAIRY CATTLE MANAGEMENT. Selection and management of dairy animals.

DAIRY HERD IMPROVEMENT ASSOCIATION (DHIA). Outline problems of the association officers and the dairy herd improvement man. A complete set of records will be computed

by each student. The course is equally important to the man who is operating a farm and developing a herd. Advanced registry standards and records will also be studied.

ECONOMIC ENTOMOLOGY

MR. FLUKE, MR. WILSON

FARM INSECTS AND CONTROL. How to know and treat the more important insect pests of farm, garden, and orchard crops.

Beekeeping. Up-to-date methods and equipment, production of comb and extracted honey, grading and marketing honey, and treatment of bee diseases.

FARM DAIRYING

Mr. Jackson, Mr. Weckel, Mr. Wallenfeldt

FARM DAIRYING. Practical work with the most approved apparatus for testing milk, the separation of cream, the manufacture of butter and other dairy products. Testing of milk and cream, figuring of yield, detection of the more common adulterants of dairy products and the operation of hand separators, milk coolers and other appliances.

FORESTRY

MR. MCNEEL

FARM FORESTRY. The identification of trees, tree and forest values, wood utilization, reforestation, and the planting and care of the farm wood lot and the windbreak.

4-H CLUB

Mr. Bewick

4-H CLUB ORGANIZATION AND LEADERSHIP. The importance of clubs in home and community life; the psychology of leadership; methods of organizing clubs, instruction in leadership, and club programs.

GENETICS

MR. CASIDA, MR. DICKERSON

Animal Breeding. The systems and processes of reproduction and milk secretion; how principles of inheritance apply in improving farm animals.

GROUP PARTICIPATION

Mr. Sur, Mr. Ewbank, Miss Borchers, Mr. Hesseltine, Mr. Young, Mr. Kivlin

PARLIAMENTARY PRACTICE. How to organize and conduct public meetings and farmers clubs.

PERSONAL AND SOCIAL DEVELOPMENT. Ways by which students may develop personality and learn to take part in various group activities such as neighborhood, church, and community clubs.

COMMUNITY MUSIC. How music may be made a vital force in the community

PUBLIC SPEAKING. The elements of good conversation and practice in preparing and giving short talks.

PUBLIC DISCUSSION. Further training in speaking through longer talks, taking part in group discussions including practice as the presiding officer.

READING AND DRAMA. Interpretation of the printed page, and helping to produce and take part in plays.

RECENT AMERICAN HISTORY. How the recent happenings of history affect the social and economic life of our people.

PLANT PATHOLOGY

Mr. VAUGHAN

PLANT DISEASES. How to recognize and control the common and more important plant diseases of Wisconsin's crops, grains, fruits, and potatoes.

HORTICULTURE

Mr. Moore, Mr. Milward, Mr. Aust, Mr. Brann, Mr. Longenecker

HORTICULTURE. Lectures and laboratory exercises in the various operations of fruit, vegetable, and potato culture.

HOME GROUNDS IMPROVEMENT. Study of plants best suited to this purpose.

POULTRY HUSBANDRY

Mr. Halpin, Mr. Holmes, Mr. Annin

POULTRY BREEDING AND JUDGING. Practice in judging for egg production and standard breed qualities. Breeding for egg production and poultry improvement.

POULTRY FEED. Feeding practices and formulation of poultry rations with special reference to the mineral, protein and vitamin needs.

Market Eggs. Care of market eggs. Practice in candling, grading, and packaging. Methods of marketing.

INCUBATION AND BROODING. How chicks develop, fertility and hatchability of eggs, brooding, feeding and care of baby chicks.

POULTRY MANAGEMENT. House and range management for chickens, turkeys, ducks and geese. Market poultry.

PRACTICAL POULTRY. Demonstrations of poultry equipment and practice in caponizing, dressing and drawing, sexing and pedigree hatching.



"Naming the farm" may bring profit as well as pleasure



They know how to keep their rooms neat

RURAL SOCIOLOGY

MR. KOLB, MR. BARTON, MR. WILEDEN

RURAL SOCIETY. The place and setting of rural society in general society, population changes, rural groups and social institutions, cooperative enterprises, and modern trends.

COOPERATIVE MOVEMENTS. Consideration of the social and educational aspects of cooperation.

RURAL CITIZENSHIP. The social and civic problems of the rural community; the development of a sense of social responsibility and the demands of a folk society upon its rural social institutions.

RURAL LITERATURE. A study of modern rural literature as it is developing in the various cultural regions of America.

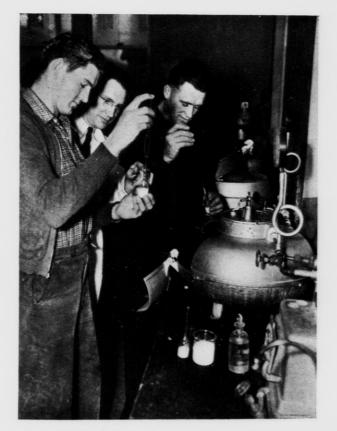
RURAL COMMUNITY ORGANIZATION. Problems of local groups and institutions including schools, libraries, churches, rural health, social welfare, rural government, and farm organizations.

Soils

MR. TRUOG, MR. GRAUL, MR. CHAPMAN

Soil Management. Relation of soil to plants and animals; conditions affecting plant growth; plant-food elements and crop needs; importance of water and tilth; land drainage, liming; relation of manure and commercial fertilizers to crop yields and soil improvement.

ADVANCED SOIL MANAGEMENT. The management of soils of all common types. Soil improvement practices in relation to the profitable production of crops. Planning soil improvement and maintenance programs on farms of various types.



They find out how much butterfat



"On their way"-not only to classes but to better farm living

VETERINARY SCIENCE Mr. Beach

LIVESTOCK SANITATION. How to prevent and control the common diseases of farm animals.

POULTRY SANITATION. The principles of poultry sanitation and hygiene. Managing the flock to prevent disease.

WORKSHOP DEPARTMENTS Mr. DORRANS, Mr. SCHUMANN, Mr. PETERS

ELEMENTARY CARPENTRY. Use and care of wood-working tools; use of the steel square. Problems of the home farm may be worked out.

ELEMENTARY FORGING. Forging, such as drawing out, upsetting, pointing, bending, and welding, also hardening, tempering, soldering, and brazing.

Leadership Programs

While you are a student in the Farm Short Course you'll have an opportunity to select programs which you would like to develop on your home farm. With the help of the extension specialists of the College of Agriculture, many of our former students have been guided and helped in these improved practices.

Every effort is made to give Farm Short Course students plans and illustrations of where increased profits may be had by the study of activities aside from general farming. Many of these graduates form partnerships with their fathers in running the home farm or with older brothers who have already assumed this responsibility. A few of the students who do not plan to return to the home farm are placed in positions such as farm managers, poultrymen, seedsmen, herdsmen, cow testers, or in commercial activity.

Alumni

The Farm Short Course has a placement bureau for its students and will be glad to serve you at any time. The Short Course alumni association, representing 8,000 graduates, is an active organization. Its annual meeting during Farm and Home week at the College of Agriculture, and the summer reunions held out in the state, are events in which you will want to take part. The leadership of the Short Course men is recognized as a powerful influence in the upbuilding of agriculture in Wisconsin.



"When good fellows get together" after the day's w ork

Calendar—1939-40

First Term

Registration	Monday (8:00 A.M.)	November 13
Orientation Day	Tuesday	November 14
Classes begin	Wednesday (8:00 A.M.)	November 15
Thanksgiving Day legal holiday (one day only)	Thursday	November 30
Christmas recess	Saturday (noon)	December 16
	Second Term	
Registration (new students)	Tuesday	January 2
Classes begin	Tuesday (8:00 A.M.)	January 2
Second term closes	Saturday (noon)	February 3
	Third Term	
Classes begin	Monday (8:00 A.M.)	February 5
Washington's Birthday (legal holiday)	Thursday	February 22
Third term closes	Friday	March 3
Closing Day exercises	Saturday (10:00 A.M.)	March 9



A great artist expresses the beauty of farm life (John Steuart Curry and Short Course students)

Application for Room and Board in the Short Course Dormitory

Students interested in taking advantage of group living in the Short Course dormitory should fill out this blank and mail it at once to V. E. Kivlin, Director of Farm Short Course. Places in the dormitory are limited and will be given in the order in which the applications are received.

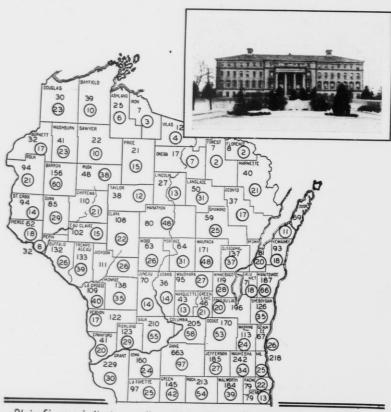
To Director of the Short Course College of Agriculture Madison, Wisconsin
I hereby apply for room in the Short Course dormitory from November 13, 1939, to March 9, 1940.
I have had years of farm experience and am
years old. I have completed thegrade in school.
Should I change my address before November 1, 1939, or should anything occur to prevent my attendance, I will notify you so that my place can be filled by another applicant.
Name
Post OfficeState
Rural Route No or Street No
My Home County is



Getting ready for classes

FIRST YEAR SCHEDULE

Hour	First Term November 13-December 16	Second Term January 2-February 3	Third Term February 5-March 9	
8-9 9-10	Animal World Farm Chemistry	Plant World Farm Bacteriology	Rural Society Feeds and Feeding	
10-12	Dairy Husbandry Farm Machinery Soil Management	Farm Machinery Field Crops Farm Dairying	Field Crops Soil Management Farm Machinery	
1:30-2:30	Cooperative Movements*	Farm Economics I	Farm Economics II Farm Correspondence	
2:30-4:30	Dairy Husbandry Farm Dairying Farm Records	Farm Records Farm Dairying Field Crops	Dairy Husbandry Faim Records Soil Management	
4:30 M W F	Community Music Parliamentary Practice	Community Music Parliamentary Practice	Community Music Parliamentary Practice	
	*Social Phases of Cooperation			
5)		COND YEAR SCHEDULE		
8-9	Farm Advertising Plant Diseases	Cooperative Marketing and Management of Co-ops.	Livestock Sanitation	
9-10	Adv. Feeds and Feeding	Rural Citizenship	Poultry Sanitation Farm Legal and Business Practice	
8-10	Farm Power	Farm Power	The state of the s	
10-11		Poultry Feeds and Feeding		
11-12		Market Eggs		
10-12	Swine and Horse Management Poultry Breeding and Judging Farm Mechanics & Structures	Beef and Sheep Management Poultry and Egg Marketing Farm Mechanics & Structures Animal Breeding	Farm Mechanics & Structures Farm Power Home Ground Improvement Dairy Herd Improvement Reral Electrification	
1:30-2:30	Farm Management	Forage Crops	Incubation & Brooding Pure Bred Seed Production and Wo	
2:30-3:30	Marketing	Advanced Soil Management Rural Community Organization	American History 4-H Club Organization Wildlife Management Practical Poultry	
3:30-4:30	Elementary Speaking	Personal and Social Development Farm Forestry Public Speaking and Discussion	American Social Literature Reading and Dramatics	
3:30-5:30 T T. and 3:30-4:30 M W F	Dairy Cattle Breeds and Breeding Farm Insects Beekeeping	Dairy Cattle Management Horticulture	Meat and Meat Products Poultry Management	
4:30 M W F	Community Music Parliamentary Practice	Community Music Parliamentary Practice	Community Music Parliamentary Practice	



Plain figures indicate enrollment from 1885 through 1938 - 39 Ofigures indicate enrollment from 1932-33 through 1938-39