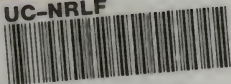


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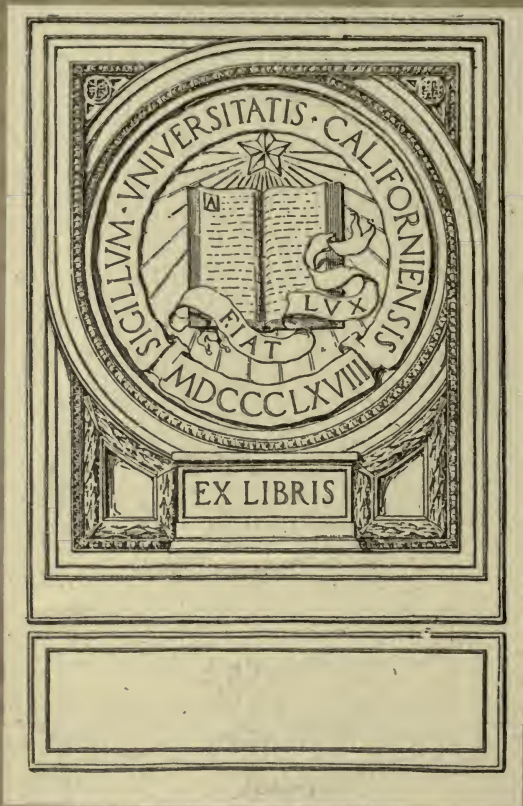
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UNIVERSITY OF CALIFORNIA AGRICULTURAL EXPERIMENT STATION
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CIRCULAR No. 113
(Revised MAY, 1919*)

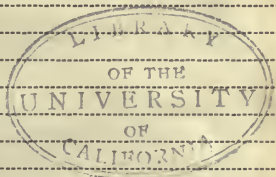
FREE CORRESPONDENCE COURSES IN AGRICULTURE

By F. L. GRIFFIN

(SPECIAL NOTE.—We request all receiving this circular to save it carefully for future reference. When through with it, kindly pass it on to an interested neighbor.)

CONTENTS

	PAGE
Information for students	1
Correspondence Courses in Agriculture:	
Course No. 1. Alfalfa Culture	4
" " 3. Corn Culture	4
" " 5. Onion Culture	4
" " 8. Barley Culture	4
" " 10. Dairy Husbandry	5
" " 11. Swine Husbandry	5
" " 12. Sheep Husbandry	5
" " 13. Milch Goat Raising	5
" " 14. Poultry Husbandry	5
" " 15. Bee-keeping	6
" " 17. Pear Culture	6
" " 19. Plum and Prune Culture	6
" " 21. Walnut Culture	6
" " 22. Almond Culture	7
" " 23. Grape Growing	7
" " 24. Citrus Fruits	7
" " 25. Olive Growing	7
" " 26. Fig Culture	8
" " 27. Home Floriculture	8
" " 28. Home Ground Ornamentation	8
" " 30. Canning and Preserving	8
" " 31. Date Culture	9
" " 32. Semi-Tropical Fruits	9
" " 33. Vegetable Gardening	9
" " 34. Normal Nutrition	9
" " 35. Avocado Culture	9
" " 37. Lumber and Its Uses	10
" " 38. Business Aspects of California Agriculture	10
References	10
Publishers of References	15
Addresses of { State Agricultural Experiment Stations	16
{ U. S. Department of Agriculture	16



* 6th edition.

For Whom Intended.—These courses are prepared for farmers, farm managers, suburban dwellers cultivating the land, prospective settlers, and others desiring specific and detailed information on the production of farm crops and animals and on the conditions of successful agriculture in California. It is not intended merely to send out reading matter on a certain subject but rather to furnish information which students will study until they understand it thoroughly, as indicated by the answers to the questions. Through this personal relation with the students it is hoped to make the information in the courses more useful.

It is obviously impossible to cover in the lessons fully the local conditions in the different sections of the state with regard to a given industry. However, students are invited to ask questions regarding local or community problems and on any points in the lessons or with regard to the subject studied which are not clear to them. These questions will be answered as helpfully as possible by specialists of the University.

By Whom Prepared.—The courses are prepared by specialists in the faculty of the College of Agriculture with reference to agricultural conditions in California. The methods discussed may readily be adapted to any section of the state.

How to Enroll.—Any person desiring to enroll as a student in one of the Correspondence Courses should fill out the application card, which is enclosed in this circular or which will be sent on request. Students may enroll for only one course at a time. After filling out the blank, mail it to the DIVISION OF AGRICULTURAL EDUCATION, UNIVERSITY OF CALIFORNIA, BERKELEY, CAL.

Expenses.—No charges are made for the agricultural correspondence courses and no University credit is given for them. All that the University asks is that the work be taken up in earnestness and that the student pursue it with diligence so that he may receive the greatest benefit from it. After a student has enrolled in one course, he is expected to complete it before enrolling in another. If the student wishes to change from one course to another, he may do so by paying a fee of one dollar (\$1) for each course commenced until the course from which he transferred is completed. In such cases money order or check should be made payable to the REGENTS OF THE UNIVERSITY OF CALIFORNIA, and sent to the DIVISION OF AGRICULTURAL EDUCATION, UNIVERSITY OF CALIFORNIA, BERKELEY, CAL., stating the change in registration desired.

Sending Out Lessons.—Upon receipt of an application card properly filled out the student will be given a file number, which will be

NO MORE
APPROVED

used in keeping records of the work. The first two lessons of the course will be sent to the student with questions on each lesson.

Preparing and Returning Answers.—Each student should carefully study the first lesson until all points are thoroughly understood. When he is able to answer all of the questions at the end of the lesson, he should lay aside the text and write out the answers in his own words, numbering the answers to correspond with the questions asked. The Division of Agricultural Education is ready at all times to aid students in answering questions not well understood.

Answers to questions should be carefully and clearly written out in ink or typed on paper about the size of that on which the lessons are written. As far as possible write only on one side of the paper. Special questions enclosed with the answers should be on a separate sheet of paper. Mail the answers to Lesson 1 and start work on Lesson 2.

Correction of Answers.—Lesson 3 will be mailed after receipt of answers to Lesson 1, with corrections of the same. On receipt of answers to questions on Lesson 2, a fourth lesson will be sent, and so on until the end of the course, the student being constantly supplied with a lesson to be studied.

Certificate of Completion.—When the student has satisfactorily completed the course, a card so stating will be sent.

Special Requests.—In case the student lives at such a distance or under conditions that prevent receiving the lessons as rapidly as needed, more than one lesson will be sent if requested by the student. But in no case will several lessons be sent at one time if the student does not show a willingness to answer promptly.

The lessons are sent out in an order that is designed to make the subject matter easily understood. At times, however, students may want certain information before it is reached in the course. In such a case the needed lesson will be advanced if the conditions seem to justify it.

References.—No text books are required with any of the courses. Various references are listed in the courses for the benefit of students wishing to read further on a particular subject. The State Librarian and many county and city librarians have signified their desire to assist in promoting the work of the correspondence courses and aiding students in taking the work. Where a book or reference is not found in the local library, it will frequently be possible for the librarian to secure its loan from another library.

Free bulletins and circulars of the United States Department of Agriculture and State Agricultural Experiment Stations may be

secured by writing to the department or the state concerned. For addresses see page 16.

Organization and Classes.—While the courses are intended for individual students, various organizations of adults, as well as of boys' and girls' classes in grammar and high school, may prefer to discuss the courses together. Such study classes are often quite helpful, but in all cases the students enrolling are held responsible individually for the completion of the course. Teachers having their students enroll for courses are requested to encourage completion of all work taken up. All members of study groups should understand that the studying and answering of the lessons is an individual responsibility and that the work can be continued separately from any class formed.

CONTENTS OF COURSES

COURSE 1—ALFALFA CULTURE

B. A. MADSON, Assistant Professor of Agronomy

10 Lessons

1. Habits of growth. 2. Varieties. 3. Soils. 4. Irrigation. 5. Preparation of seedbed. 6. Seeding. 7. Care of field. 8. Enemies. 9. Harvesting. 10. Breeding.

COURSE 3—CORN CULTURE

B. A. MADSON, Assistant Professor of Agronomy

10 Lessons

1. Habits of growth. 2. Climatic and soil requirements. 3. Types and varieties. 4. Preparation for the crop. 5. Seed selection. 6. Planting. 7. Care of crop. 8. Enemies. 9. Harvesting. 10. Breeding.

COURSE 5—ONION CULTURE

S. S. ROGERS, Associate Professor of Olericulture

5 Lessons

1. Habits of growth, soils and varieties. 2. Fertilizers, planting. 3. Transplanting, seed production. 4. Harvesting, growing from sets. 5. Diseases and insects.

COURSE 8—BARLEY CULTURE

B. A. MADSON, Assistant Professor of Agronomy

9 Lessons

1 and 2. Requirements for growth, species and varieties. 3. Barley culture. 4. Preparation and care of the land. 5. Seeding. 6. Care after seeding. 7. Enemies. 8. Harvesting. 9. Breeding.

COURSE 10—DAIRY HUSBANDRY

G. H. TRUE, Professor of Animal Husbandry, and L. M. DAVIS, formerly Assistant Professor of Dairy Industry

17 Lessons

1. Selection of herd. 2. Herd sire. 3. Pure-bred dairy cattle. 4. Care of the heifer from breeding to calving. 5. Feeding. 6. Testing. 7 and 8. Diseases. 9. Composition and secretion of milk. 10 and 11. Babcock test. 12. Sources of milk and cream contamination. 13. Separating. 14. Market milk production. 15. Butter making. 16. Cheese making. 17. Ice cream making.

COURSE 11—SWINE HUSBANDRY

J. I. THOMPSON, Assistant Professor of Animal Husbandry

6 Lessons

1. Origin, domestication, types. 2. Bacon type. 3. Breeds. 4. Important factors in swine production. 5. Feeds. 6. Selection, management, breeding, diseases.

COURSE 12—SHEEP HUSBANDRY

R. F. MILLER, formerly Assistant Professor of Animal Husbandry

7 Lessons

1. Origin, markets, types. 2. Breeds. 3. Feeds. 4 and 5. Management. 6. Diseases. 7. Wool production.

COURSE 13—MILCH-GOAT RAISING

E. C. VOORHIES, Assistant Professor of Animal Husbandry

8 Lessons

1. General considerations. 2. Breeds. 3. Milk of the goat. 4. Uses of milk and other goat products. 5. Testing. 6. Breeding. 7. Diseases. 8. Feeding.

COURSE 14—POULTRY HUSBANDRY

(Chickens only are considered)

J. E. DOUGHERTY, Associate Professor of Poultry Husbandry

16 Lessons

1. General characteristics. 2. Classifications. 3. Selection for vigor. 4. Selecting and laying out plant. 5. Hatching with incubator. 6. Hatching with hens. 7. Brooding and rearing of chicks. 8. Brooder houses, feeding chicks. 9 and 10. Poultry house essentials. 11 and 12. Feeds. 13. Feeding. 14. Breeding. 15. Meat production. 16. Marketing.

COURSE 15—BEE-KEEPING

C. W. WOODWORTH, Professor of Entomology

14 Lessons

Required of each student: (1) To have a swarm of bees with which to work; (2) to be in a position to study the bees during the daytime and carry on some experiments; also to study *California* honey plants. *Those unable to meet these requirements should not apply for the course.*

The course consists of fourteen lessons, two preliminary ones and one for each month of the year, thus requiring at least twelve months' time for completion.

1. Honey plants. 2. Starting in bee-keeping. *Jan.* Bee diseases, experiments with disinfectants. *Feb.* Hive temperature, feeding. *March.* Flight of bees, life history. *April.* Queen rearing. *May.* Brood rearing. *June.* Grading honey. *July.* Propolis, pollen, ventilation. *Aug.* Flower insects, beeswax. *Sept.* Preparation for winter, feeding. *Oct.* Bee hunting, structure of the bee. *Nov.* Food preference, food consumption, structure of the bee. *Dec.* Feeding bees, anatomy.

COURSE 17—PEAR CULTURE

R. E. SMITH, Professor of Plant Pathology

8 Lessons

1. Characteristics of trees, soil and climate requirements, uses. 2. Varieties, rootstocks and propagation. 3. Planting and care of the young orchard. 4. Orchard practice. 5. Fruit handling. 6. Insects. 7. Pear blight. 8. Minor diseases.

COURSE 19—PLUM AND PRUNE CULTURE

A. H. HENDRICKSON, Assistant Professor of Pomology

12 Lessons

1. General requirements, regions. 2. Stocks. 3 and 4. Propagation. 5. Top working. 6. Choosing site and planting. 7. Care of orchard. 8. Pruning. 9. Insects and control. 10. Diseases. 11. Varieties. 12. Handling and marketing.

COURSE 21—WALNUT CULTURE

R. E. SMITH, Professor of Plant Pathology

16 Lessons

1. Species and habits. 2. Species, soils and climates. 3, 4, 5, and 6. Varieties. 7. Propagation. 8. Ways of starting. 9. Grafting. 10. Budding. 11. Planting orchard. 12. Culture of walnut. 13. Crop handling. 14, 15, 16. Enemies of the walnut.

COURSE 22—ALMOND CULTURE

R. H. TAYLOR, Assistant Professor of Pomology

10 Lessons

1. History, uses, characteristics, climate and soil requirements.
2. Unfavorable conditions and their treatment. 3. Propagation. 4. Almond sections, varieties. 5. Preparation of soil and planting. 6. Cultivation. 7. Irrigation. 8. Pruning. 9. Insects. 10. Harvesting.

COURSE 23—GRAPE GROWING

F. T. BIOLETTI, Professor of Viticulture and Enology

28 Lessons

1. Nature and habit of the vine, species, varieties. 2. Requirements. 3. Choice of location. 4. Cost and returns. 5. Selection of raisin and shipping grapes. 6. Selection of wine grapes. 7. Propagation. 8. Rooting cuttings. 9. Grafting. 10. Grafting vinifera cuttings. 11. Grafting resistant vines. 12. Bench grafting cuttings. 13. Callusing grafts. 14. Management of nursery. 15. Preparation of land. 16. Vineyard plans. 17. Care of vineyard. 18. Pruning. 19 and 20. Principles of pruning. 21 and 22. Practice of pruning. 23 and 24. Parasitic disease of the vine. 25. Non-parasitic diseases. 26 and 27. Insects. 28. Gathering crop.

COURSE 24—CITRUS FRUITS

J. E. CORT, Professor of Citriculture, and I. J. CONDIT, Assistant Professor of Citriculture

21 Lessons

1. History and general consideration. 2. Botany and habits of growth. 3. Geography and climatology. 4. Varieties. 5. Propagation. 6. Selecting site, leveling, water supply and root stocks. 7. Laying out and planting. 8. Cultivation and fertilization. 9. Irrigation. 10. Pruning and top working. 11. Frost and frost protection. 12. Diseases. 13, 14. Insects and other pests. 15. Fumigation. 16. Picking and packing oranges. 17. Picking and packing lemons. 18. Blemishes and their prevention. 19. By-products. 20. Marketing. 21. Profit and loss.

COURSE 25—OLIVE GROWING

F. T. BIOLETTI, Professor of Viticulture and Enology, and W. F. OGLESBY, formerly Assistant in Viticulture

10 Lessons

1. History, climate, finances. 2. Propagation. 3. Preparation of land and planting. 4. Care of young orchard. 5. Care of bearing orchard. 6. Pruning. 7. Harvesting and handling. 8. Pickling. 9. Insects and diseases. 10. Varieties.

COURSE 26—FIG CULTURE

J. E. COIT, Professor of Citriculture, and S. P. FRISSELLE, Superintendent of
Kearney Farm

10 Lessons

1. History and climatic requirements. 2 and 3. Classes. 4. Propagation. 5. Soils and location, preparation. 6. Laying out and planting. 7. Varieties. 8. Care of orchard, yields, pests. 9. Harvesting and packing. 10. Costs and returns.

COURSE 27—HOME FLORICULTURE

J. W. GREGG, Professor of Landscape Gardening and Floriculture, and R. T. STEVENS,
formerly Assistant Professor of Landscape Gardening and Floriculture

16 Lessons

1. Location and exposure. 2. Soils. 3. Fertilizers. 4. Spraying. 5. Violet culture. 6. Roses. 7. Pansies, petunias. 8. Sweet peas. 9. Dahlias. 10. Chrysanthemums. 11. Begonias, cinerarias. 12. Primulas, cyclamen, gloxinias, calceolarias. 13. Carnations. 14 and 15. Bulbs. 16. Ferns.

COURSE 28—HOME GROUND ORNAMENTATION*

J. W. GREGG, Professor of Landscape Gardening and Floriculture.

15 Lessons

1. Definition of the art; history. 2. Selection of site and location of home. 3. Making and care of lawns. 4. Styles of landscape design. 5. Planting and care of vines; landscape use. 6 and 7. Planting and care of shrubs; landscape use. 8. Planting and care of trees. 9. Planting and care of annuals and biennials. 10. Planting and care of perennials. 11. Unity, utility and variety in composition. 12. Arrangement and construction of walks and drives. 13. Garden features and furniture. 14. Water as an element in design. 15. Care and treatment of grounds.

COURSE 30—CANNING AND PRESERVING

F. T. BIOLETTI, Professor of Viticulture and Enology, and W. V. CRUESS, Assistant
Professor of Zymology

12 Lessons

1. Causes of spoiling. 2. Modes of food preservation. 3. Fruit juices. 4. Home canning and bottling of fruits. 5. Home canning of vegetables. 6. Syrups; jams and jellies. 7. Pickling. 8. Dried fruit and vegetables. 9. Vinegar. 10. Raisins. 11 and 12. Bread making.

* Prepared for the amateur gardener.

COURSE 31—DATE CULTURE

J. E. COIT, Professor of Citriculture

8 Lessons

1. Economic considerations. 2. History and geography. 3. Climatic adaptation. 4. Soils, irrigation. 5. Propagation. 6. Varieties. 7. Orchard management. 8. Harvesting and packing, pests.

COURSE 32—CERTAIN SEMITROPICAL FRUITS

I. J. CONDIT, Assistant Professor of Citriculture

12 Lessons

1, 2, 3. Loquat. 4, 5. Persimmon. 6. Guava. 7. Pomegranate. 8. Cherimoya. 9. Pistachio nut. 10. Mango. 11. Papaya. 12. Tuna, passion fruit, pineapple, litchi nuts, and other minor fruits.

COURSE 33—VEGETABLE GARDENING

S. S. ROGERS, Associate Professor of Olericulture

14 Lessons

1. Types of gardens, status of gardening. 2. Districts, selection and location of crops. 3. Location and selection of crops. 4. Irrigation, hot beds, cold frames. 5. Specific directions for gardening. 6. Potatoes. 7. Sweet potatoes, onions. 8. Tomatoes, melons. 9. Cabbage, cauliflower. 10. Celery, lettuce. 11. Root crops, peas, beans. 12. Sweet corn, eggplant, cucumbers, peppers. 13. Rhubarb, asparagus. 14. Pumpkins, home vegetable garden.

COURSE 34—NORMAL NUTRITION

AGNES FAY MORGAN, Assistant Professor of Household Science

14 Lessons

1. Normal nutrition. 2. Fats. 3. Carbohydrates. 4. Proteins. 5. Minerals. 6. Fuel values. 7. Digestion in mouth and stomach. 8. Digestion in intestines. 9. Variations in energy requirement. 10 and 11. Body substance need. 12 and 13. Need of mineral and other food constituents. 14. Summary and dietary making.

COURSE 35—AVOCADO CULTURE

I. J. CONDIT, Assistant Professor of Citriculture

10 Lessons

1. Economic considerations. 2. History and geography in other countries. 3. History and distribution in California. 4. Soil, climate, moisture requirements. 5. Botany. 6. Propagation. 7. Planting, orchard management. 8. Classes and varieties. 9. Harvesting, packing, marketing, pests. 10. Food value, uses.

COURSE 37—LUMBER AND ITS USES

M. B. PRATT, formerly Assistant Professor of Forestry

10 Lessons

1. Structural properties of wood. 2. Physical properties. 3. Mechanical properties. 4. Grades and sizes. 5. Structural timbers. 6. Seasoning timber. 7. Wood preservation. 8. Finishing and fire-proofing. 9. Comparative costs of construction. 10. Specific uses.

COURSE 38—BUSINESS ASPECTS OF CALIFORNIA AGRICULTURE

R. L. ADAMS, Associate Professor of Agronomy

10 Lessons

1. Farming as a business, essentials for success. 2. Personal elements. 3. Capital. 4. Selecting a farm business. 5. Planning. 6. Information needed in farm management. 7. Requirements and methods of growing special crops. 8. Testing farm business. 9. Farm land values. 10. Leasing farm lands.

REFERENCE BOOKS FOR COURSES

¹COURSE NO. 1—ALFALFA CULTURE

The Book on Alfalfa	² (O) F. D. Coburn	\$2.00
Alfalfa in America	(S) J. E. King	2.00
Alfalfa Farming in America	(S) Wing	2.00
Alfalfa	(O) F. D. Coburn	.60

COURSE NO. 22—ALMOND CULTURE

California Fruits	(P) E. J. Wickson	3.00
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COURSE NO. 35—AVOCADO CULTURE

No reliable reference book. Bulletins are listed in the lessons.

COURSE NO. 8—BARLEY CULTURE

Dry Farming	(M) J. A. Widtsoe	1.50
Field Crops	(W) Wilson and Warburton	1.50
Forage Crops and Their Culture	(M) C. V. Piper	1.75
Small Grains	(M) M. A. Carleton	1.75

COURSE NO. 15—BEE-KEEPING

ABC & XYZ of Bee Culture	(Ro) A. I. Root	2.50
Bee-keeping	(M) E. F. Phillips	1.50
How to Keep Bees for Profit	(M) D. E. Lyon	1.50
Modern Bee Farm	(Ro) S. Simmins	2.00
Productive Bee-keeping	(L) F. C. Pellet	1.50

COURSE NO. 38—BUSINESS ASPECTS OF CALIFORNIA AGRICULTURE

Farm Development	(O) W. M. Hays	1.50
Farm Management	(M) G. F. Warren	1.75
Farm Management	(D) F. W. Card	2.00
Farm Management Notes	(St) R. L. Adams	1.50
The Farmstead	(M) I. P. Roberts	1.50
The Farmers' Business Handbook	(M) I. P. Roberts	1.25
Principles of Bookkeeping and Farm Accounts	(AB) Bexell & Nichols	2.00

¹ Books in the general list are valuable for reference for all subjects.

² All capital letters in parenthesis designate publishers given on page 15.

³ All prices listed are net.

COURSE NO. 30—CANNING AND PRESERVING

Bacteria in Relation to Country Life	(M)	J. G. Lipman	1.50
Bacteria, Yeasts and Molds in the Home	(O)	H. W. Conn	1.00
Canning and How to Use Canned Foods	(N)	A. W. Bitting and K. G. Bitting	Free
Canning, Preserving and Jelly Making	(Li)	Janet M. Hill	1.00
Home and Farm Food Preservation	(M)	W. V. Cruess	1.00
Science and Experiments as Applied to Canning	(Sp)	G. E. Colby	Free
Successful Canning and Preserving	(L)	O. Powell	2.00

COURSE NO. 32—CERTAIN SEMITROPICAL FRUITS

Publications referred to in the course.

COURSE NO. 24—CITRUS FRUITS

Citrus Fruits	(M)	J. E. Coit	2.00
Citrus Fruits and Their Culture	(O)	H. H. Hume	2.50

COURSE NO. 3—CORN CULTURE

The Study of Corn	(O)	V. M. Shoesmith	*.60
Corn Crops	(M)	E. G. Montgomery	1.60
Manual of Corn Judging	(O)	A. D. Shamel	.60
Corn	(B)	Bowman and Crossley	2.00

COURSE NO. 10—DAIRY HUSBANDRY

The Book of Butter	(M)	E. S. Guthrie	1.75
Cheese Making	(Men)	John W. Decker	1.75
City Milk Supply	(H)	H. N. Parker	5.00
Common Diseases of Farm Animals	(L)	R. A. Craig	2.00
Dairy Cattle and Milk Production	(M)	C. H. Eckles	1.60
Dairy Technology	(J)	Larsen and White	2.00
Diseases of Cattle	(US)	U. S. D. A. (free through member of Congress)	1.00
Feeds and Feeding (Revised)	(Men)	Henry and Morrison	2.25
First Lessons in Dairying	(O)	Van Norman	.60
Manual of Farm Animals	(M)	M. W. Harper	2.00
Manual of Milk Products	(M)	W. A. Stocking	2.00
Principles of Modern Dairy Practice	(J)	F. W. Woll	2.00
Productive Dairying	(L)	R. M. Washburn	1.75
Productive Feeding of Farm Animals	(L)	F. W. Woll	1.75
Testing Milk and Its Products	(Men)	Farrington and Woll	1.25
The Business of Dairying	(O)	Lane	1.25
The Farmer's Veterinarian	(O)	C. W. Burkett	1.50
The principle and Practice of Judging Live Stock	(M)	C. W. Gay	1.50

COURSE NO. 31—DATE CULTURE

Date Growing in the Old World and the New	(I)	P. B. Popenoe	2.00
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COURSE NO. 26—FIG CULTURE

Publications referred to in the course.

COURSE NO. 23—GRAPE CULTURE

California Fruits	(P)	E. J. Wickson	3.00
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COURSE NO. 27—HOME FLORICULTURE

American Flower Garden	(D)	N. B. Doubleday	1.50
Bulbs and Tuberos-Rooted Plants	(O)	C. L. Allen	1.50
California Garden Flowers	(P)	E. J. Wickson	1.50
Carnation Culture	(W)	L. L. Lamborn	1.50
Ferns and How to Grow Them	(D)	G. A. Woolson	1.10
Garden Making	(M)	L. H. Bailey	1.50

SUGGESTIONS FOR UTILIZING OF HOME GROUNDS

Home Floriculture	(O)	E. E. Rexford	1.00
Parsons on the Rose	(O)	S. B. Parsons	1.50
The American Flower Garden	(D)	Neltje Blanchan	5.00
The Chrysanthemum	(O)	A. Herrington	.60
The California Book of Gardening	(E)	Bell Summer Angiers	1.25
The Garden Beautiful in California	(C)	Ernest Branton	1.00
The Practical Flower Garden	(M)	Helen R. Ely	2.00
Water Gardening	(De)	Peter Bissett	2.50

COURSE NO. 28—HOME GROUND ORNAMENTATION

Garden Design in Theory and Practice	(L)	Agar	2.00
Garden Planning	(D)	Rogers	1.10
Gardens for Small Country Houses	(Sc)	Jekyll and Weber	5.00
How to Lay Out the Suburban Home Grounds	(J)	Kellaway	2.00
How to Plan Home Grounds	(D)	Parsons	1.50
Landscape Gardening	(Cen)	Root and Kelley	2.00
Practical Landscape Gardening	(De)	Cridland	1.50
The Art of Landscape Architecture	(Put)	Parsons	3.50
The Landscape Gardening Book	(Win)	Tabor	2.00

BOOKS DEALING WITH THE HISTORY OF LANDSCAPE GARDENING

American Gardens	(Ba)	Lowell	7.50
Art and Craft of Garden Making	(Sc)	Mawson	15.00
Formal Gardens of England and Scotland	(Sc)	Triggs	25.00
Gardening in California, Landscape and Flower	(Rob)	McLaren	3.75
Gardens of England	(M)	Cook	2.50
Gardens of England—Northern Counties	(Stu)	Chas. Holme	3.00
Gardens of Italy	(Sc)	Latham	18.00
Italian Villas and Their Gardens	(Cen)	Wharton	6.00

COURSE NO. 37—LUMBER AND ITS USES

Economic Woods of the U. S.	(J)	S. J. Record	1.25
Lumber and Its Uses	(R)	R. S. Kellogg	1.00
Wood and Forest	(MA)	Wm. Noyes	3.00

COURSE NO. 13—MILCH GOAT RAISING

Goat Keeping for Amateurs	(Sc)	H. S. H. Pegler	.50
The Book of the Goat	(W)	S. H. Pegler	2.00

COURSE NO. 34—NORMAL NUTRITION

Analysis and Cost of Ready to Serve Foods	(Amer)	Gephart and Lusk	.50
Chemistry of Food and Nutrition (2d ed.)	(M)	H. C. Sherman	1.50
Feeding the Family	(M)	Mary Swartz Rose	2.10
Food and Dietetics	(WW)	Hutchinson	4.00
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