

CORNELL UNIVERSITY ANNOUNCEMENTS

APRIL 19, 1963

HOME ECONOMICS 1963-1964

NEW YORK STATE COLLEGE OF HOME ECONOMICS
AT CORNELL UNIVERSITY.

A UNIT OF THE STATE UNIVERSITY OF NEW YORK

ACADEMIC CALENDAR (Tentative)

1963-1964

Sept. 21	...S...	Freshman Orientation	Sept. 19	...S
Sept. 23	...M...	Registration, new students	Sept. 21	...M
Sept. 24	...T...	Registration, old students	Sept. 22	...T
Sept. 25	...W...	Instruction begins, 1 p.m.	Sept. 23	...W
Nov. 13	...W...	Midterm grades due	Nov. 11	...W
		Thanksgiving recess:		
Nov. 27	...W...	Instruction suspended, 12:50 p.m.	Nov. 25	...W
Dec. 2	...M...	Instruction resumed, 8 a.m.	Nov. 30	...M
		Christmas recess:		
Dec. 21	...S...	Instruction suspended, 12:50 p.m.	Dec. 19	...S
Jan. 6	...M...	Instruction resumed, 8 a.m.	Jan. 4	...M
Jan. 25	...S...	First-term instruction ends	Jan. 23	...S
Jan. 27	...M...	Second-term registration, old students	Jan. 25	...M
Jan. 28	...T...	Examinations begin	Jan. 26	...T
(Feb. 1	...S)	(Graduate School: due date for fellowship and scholarship applications for the following year)		
Feb. 5	...W...	Examinations end	Feb. 3	...W
Feb. 6	...Th...	Midyear recess	Feb. 4	...Th
Feb. 7	...F...	Midyear recess	Feb. 5	...F
Feb. 8	...S...	Registration, new students	Feb. 6	...S
Feb. 10	...M...	Second-term instruction begins	Feb. 8	...M
Mar. 27	...F...	Midterm grades due (at 12 noon)	Mar. 26	...F
		Spring recess:		
Mar. 28	...S...	Instruction suspended, 12:50 p.m.	Mar. 27	...S
Apr. 6	...M...	Instruction resumed, 8 a.m.	Apr. 5	...M
May 30	...S...	Second-term instruction ends	May 29	...S
June 1	...M...	Examinations begin	May 31	...M
June 9	...T...	Examinations end	June 8	...T
June 15	...M...	Commencement Day	June 14	...M

1964-1965

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OF HOME ECONOMICS
AT CORNELL UNIVERSITY**

1963-1964

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is a contract unit of the State University of New York**

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HOME ECONOMICS

ITS DEVELOPMENT AT CORNELL

THE FIRST colleges opened to women in America were planned to give educational opportunities equal to those for men, and the courses of study were comparable to those in the men's colleges. As time went on, educational leaders realized a need for a type of education suited more particularly to women. Since the home was an important field of activity for all women, courses were introduced which focused on the tasks of homemaking and understanding the needs of families and homemakers. Such courses supplemented the liberal arts programs.

Cornell was a pioneer in this type of family-focused education. Home Economics as a branch of education in this University began in 1900. It was established as a department in the New York State College of Agriculture in 1908, and money was appropriated for a separate building in 1910, though actually the move into the new quarters did not come until 1913. In 1919 the department became the School of Home Economics, and in 1925, by legislative action, it became a college.

In the early thirties the need for larger quarters was acute, and the move to the present building, Martha Van Rensselaer Hall, was made in 1933. The building is named for the founder and first director of home economics at Cornell and was dedicated in 1934.

Home economics is now one of the largest undergraduate colleges on the Cornell campus, and expansion of its quarters is again necessary. Linked with the resident instruction and the research is the extension service, which reaches into homes and communities throughout the state.

The College of Home Economics, as one of four state-supported units at Cornell University, became an integral part of the State University of New York when it was organized in 1948. "Created to provide a comprehensive and adequate program of higher education," the State University includes fifty-four educational institutions. The College of Home Economics, functioning as one of the professional colleges in this broad plan, offers teaching and research facilities to serve the needs of the state in its field.

Courses in home economics deal with the effective feeding, clothing, and housing of the family; the care, growth, and guidance of children; the family relationships; the development of artistic sense and taste that bring beauty into the home in many ways; the sociological basis of housing and an understanding of design in home planning and furnishing; the organization and running of the home on a sound economic, social, and management basis; the care and use of equipment. (See also "Objectives of the Undergraduate Program," page 11).

There are seven departments in the College: Child Development and Family Relationships; Food and Nutrition; Home Economics Education; Household Economics and Management; Housing and Design; Institution Management; Textiles and Clothing. Effort is made to so interrelate the work of the depart-

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ments that students think of them not as isolated divisions but rather as different aspects of the total program of education. In addition, a course is offered in Educational Perspectives. (See page 53.) Extension Teaching and Information is a joint department of the Colleges of Home Economics and Agriculture.

The coordination of the sciences and arts toward constructive family life appropriate to our society is a primary function of home economics. This college, as part of a university, gives students the opportunity to elect studies in many fields. Of the 120 credit hours required for a degree, one-fourth are devoted to basic courses in the biological, physical, and social sciences and the humanities; at least one-third to courses in home economics; and about one-third to elective courses in the various colleges of the University. English and physical education are required of all students.

LIBRARY

The State Colleges of Agriculture and Home Economics are served by the Albert R. Mann Library of about 265,000 volumes. This is supplemented by the other libraries of Cornell University, containing more than 2,200,000 volumes, many of which also relate directly to subjects dealt with by the State Colleges.

In addition to materials on applied agriculture and home economics, the Mann Library contains extensive collections dealing with such related sciences as botany, biochemistry, bacteriology, genetics, entomology, and medicine. It also includes large collections in economics, sociology, psychology, and education, and smaller collections on a variety of other subjects. Of major importance are the numerous complete files of foreign and domestic periodicals and government publications, of which more than 7800 are received currently.

The Albert R. Mann Library building was completed in 1952. It has a capacity of 425,000 volumes and seats 700 readers. The first floor of the library is devoted primarily to books assigned for class reading, with rooms seating 370 persons. Also on this floor are a room for typing and the Ellis Room, which contains books and periodicals for casual reading. On the second floor are the reference, bibliography, and periodical reading rooms, offices and workrooms, the main loan desk, and the card catalog. The catalog provides a record of library materials located in all libraries and departmental collections of the Colleges. The library has a comprehensive collection of bibliographies.

When the University is in session the library is open, with librarians on duty to assist readers, from 8 a.m. to 11:30 p.m. daily except Saturday, when it closes at 5 p.m., and Sunday, when it opens at 1 p.m. Students must present Cornell identification cards when borrowing books. Information on library regulations and suggestions for the use of the library are provided all new students in orientation meetings each fall. More detailed information appears in booklets distributed at that time.

THE UNDERGRADUATE PROGRAM

OBJECTIVES

THE AIM of the undergraduate program of the College of Home Economics is two-fold: to provide, through the facilities of the College and the University, a liberal education in the social and natural sciences, the humanities, and the arts; and to provide specialized instruction, based upon these disciplines, as preparation for professional careers in which the interests and well-being of the individual, the consumer, and the family are paramount.

The program of liberal studies emphasizes those subjects which have aided man to understand himself and the world in which he lives. It also furnishes the student with basic knowledge required as part of his education for successful professional work in a society that is changing both technologically and sociologically. The specialized studies relate basic knowledge to an understanding of the needs of people with regard to food, shelter, clothing, management of resources, and interpersonal and family relationships. Because the educational program of the College emphasizes both breadth of knowledge and its application to the solution of human problems, it offers professional or preprofessional preparation for an increasing variety of positions.

REQUIREMENTS FOR THE B.S. DEGREE *

A candidate for the degree of Bachelor of Science must complete 120 credit hours of required and elective work during four years.† In addition, four credits of physical education are required, one credit in each of the first four terms, unless excused by the University Committee on Requirements for Graduation through the committee's representative in the College Secretary's office. A cumulative average of at least 70 is required.

A residence requirement is stated in University legislation as follows (University Faculty, Nov. 1962): "A candidate for an undergraduate degree of Cornell University shall be required to spend the last two terms of his candidacy in residence at this University, except that, with the consent of the special faculty concerned, a candidate may carry on the work of either or both of these terms *in absentia*, provided that before he receive the degree he pass such examination or make such a report as the faculty supervising his work may require of him, and that during the period of his absence he be registered as a student of this

* A student who is readmitted to the College will be held for the graduation requirements in effect when she re-enters. Courses offered as substitutes for home economics subject requirements will be accepted by the committee on petitions and academic standing on recommendation by the departments concerned. Courses offered as substitutes for non-home economics subject requirements must be approved by the committee on petitions and academic standing.

† A student who entered as a first-semester freshman and who completes all the graduation requirements in less than eight semesters may continue to register as an undergraduate until eight semesters are completed. However, such a student will be required to carry a semester program of at least 12 credit hours in the period following the completion of the graduation requirements.

A student who entered as a transfer with advanced standing who completes all of the requirements in eight semesters or less (counting both those taken at Cornell and at the previous institution) may register as an undergraduate for a ninth semester only if this is necessary in order to complete the requirements of one of the professional programs (A.D.A. or Teacher Certification). She must carry a minimum of 12 credits in the ninth semester.

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University and pay a fee of such amount as the Board of Trustees may fix. This residence and registration requirement shall not apply to a candidate carrying on work away from Cornell University, with prior approval of the special faculty concerned, when such work is equivalent to eight semester hours credit or less."

SUBJECT REQUIREMENTS AND CREDIT DISTRIBUTION

The subject requirements for the degree were revised by action of the faculty February 14, 1963, to become effective September, 1963. Requirements prior to that date appear below and those which will apply to students who matriculate in September, 1963, are given on page 13.

Students who matriculated prior to September, 1963, will fulfill requirements as specified on page 15.

Requirements prior to September, 1963

(Classes of 1964, 1965, 1966 see p. 15)

Credits should be distributed in the following groups as indicated.:

<i>Group I</i>	<i>Credit hours</i>
Basic sciences, minimum required hours.....	30
Courses in any college in the University. To include:	
A. Biological sciences	6
Courses taken must include at least one course in human biology. Acceptable combinations are:	
(1) Biology 1 and 2.....	6 credits
(2) Biology 9: 3 credits, and 3 credits in one of the following:	6 credits
Bacteriology	
Biochemistry	
Conservation 9	
Entomology 10	
(3) Zoology 242 or Zoology 201: 3 credits, and 3 credits in one of the following:	6 credits
Bacteriology	
Biochemistry	
Biology 1	
Botany 1	
Conservation 9	
Entomology 10	
Zoology 101 or 103	
Zoology 242	
Zoology 201	
Biology 9 and Zoology 201 may not both be taken for credit toward graduation in Group IA or D, or in Group IV.	
B. Physical sciences	6
Courses to be taken in at least two of the following subject-matter areas: chemistry, physics, astronomy, meteorology, geology, except for Geology 111 (<i>Geography</i>), and Geology 212 (<i>Mineral Resources</i>), both of which are counted as social sciences.	

UNDERGRADUATE REQUIREMENTS 13

C. Social sciences † 12

Not more than six hours may be in any one of the following subject-matter areas: anthropology, economics, government, history, psychology, sociology, philosophy. One course each to be taken in Areas 1, 2, 3, and 4 (below).

Area 1. Courses which contribute to understanding the behavior of individuals.

Area 2. Courses which contribute to understanding the social institutions of the society in which the individual lives.

Area 3. Courses which contribute to understanding the social institutions of contemporary societies other than that in which the individual lives.

Area 4. A second course from Areas 1, 2, or 3, or a course in any social science exclusive of courses which are technical, mathematical, or highly specialized.

D. Basic science elective..... 6

Choose courses from A, B, or C. However, not more than nine hours of social science taken to meet the social science requirement and the basic science elective may be in one subject-matter area.

Group II

English, minimum required hours..... 6
English 111-112

Group III

Home Economics, minimum required hours..... 40
To include the core courses (see p. 15 and courses starred, pages 53-84).

Group IV

Electives 44

A. A maximum of 24 credits may be elected in the endowed divisions of the University without charge; for example, Arts and Sciences, Architecture, Hotel Administration.

120

Physical education (should be taken during the first four terms of residence)..... 4

Note: Of the 10 hours of credit in Food and Nutrition 214 and 215 (page 62) 6 hours are counted as chemistry and may be credited to either Group IB, ID, or Group IV; 4 hours are credited to Group III as food.

Groups I, II, and IVA may be taken outside the State Colleges without additional charge to the student. If, however, a student fails in any course in Groups I, II, or IVA, the credit hours of the failed course are counted against Group IVA. Courses may be taken outside the State Colleges beyond this limit of 24 hours only during the student's last semester prior to graduation, and provided that the hours taken in excess of 24 credits are also in excess of the 120 hours required for graduation, and upon payment per credit hour of \$31.25 (state residents) or \$25.00 (nonresidents).

New Requirements, Effective September, 1963 **(to be met by all students matriculating September, 1963)**

Group I. Required 76

A. Home economics 40
To include:

1. Home economics core courses, to be completed in the first two years, by students entering as *freshmen*.

(a) Clothing: TC 170

(b) Design: HD 100

(c) Food: FN 192 or FN 103

(d) Interpersonal and family relationships: CD 115 or CD 162

(e) Management of resources: HEM 100

(f) Shelter: HD 147

2. Educational perspectives: CS 100

† The counselors may be consulted for a list of approved courses in each area.

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B. Humanities	12
To include English 111 and 112 or the equivalent. (Advanced placement credit beyond the equivalent of English 111-112 will be credited in <i>Group II, Electives</i> .)	
C. Natural sciences	12
To include a minimum of 3 credits in biological science and 3 credits in physical science.	
1. One of the following courses in human biology: Biology 1 and 2, Zoology 201, Zoology 242.	
2. Chemistry or physics	
D. Social sciences	12
To include one course in each of the following areas. Additional courses to make up the total requirement may be taken in any area. Not more than six credits may be taken in any one field.	
Area 1. Courses which contribute to an understanding of individual behavior or interpersonal relationships.	
Area 2. Courses which contribute to an understanding of the social institutions of the United States.	
Area 3. Courses which contribute to an understanding of the social institutions of societies outside the United States.	
<i>Group II, Elective</i>	44
A maximum of 24 credits* may be elected in the endowed divisions of the University without charge; for example, Arts and Sciences, Architecture, Hotel Administration.	
Physical education (should be taken during the first four terms of residence)	120 4

COURSES APPROPRIATE TO MEET THE NEW REQUIREMENTS

Requirements in humanities, natural sciences, and social sciences must be met through courses taught outside the College of Home Economics.

The following criteria have been developed to aid the student in selecting courses to meet the specific requirements for the degree. Questions concerning the appropriateness of a particular course should be directed to the student's counselor.

- A. *Home economics*: Any course is appropriate which is offered by a department in the College of Home Economics except courses offered in the Department of Extension Teaching and Information.
- B. *Humanities*: To be appropriate a course should
 - (1) Serve the primary function of broadening the student's program of liberal studies;
 - (2) Be directed toward that part of general education which contributes primarily to cultural enlightenment, esthetic awareness, and those values of the contemplative life which are not concerned with the natural or social sciences;
 - (3) Be selected in general from these fields of study: art, drama, language, literature, music, or philosophy with the following exceptions: (a) beginning courses in any language and those primarily concerned with composition or conversation; (b) studio or performance courses in any of the expressive arts (art, dance, drama, music, speech).

* Courses may be taken outside the State Colleges beyond this limit of 24 credits only during the student's last semester prior to graduation, and provided that the hours taken in excess of 24 credits are also in excess of the 120 hours required for graduation, and upon payment per credit hour of \$31.25 (state residents) or \$25.00 (nonresident.).

Courses taken to meet B, C, or D under Group I may be taken without charge, except that credit for any course given in an endowed division will, in case of failure, be charged against the 24 credits allowed under Group II.

C. *Natural sciences*: To be appropriate a course should

- (1) Serve the primary function of broadening the student's program of liberal studies.
- (2) Be directed primarily toward developing an understanding of the natural science aspects of the subject rather than those aspects which emphasize the subject's relationships to the social sciences or humanities.
- (3) Deal with relatively broad topics rather than highly specialized ones.
- (4) Be selected in general from the biological science fields of bacteriology, biochemistry, biology, botany, zoology (except that Biology 9 and Zoology 201 may not both be taken for credit); and, in general, from the physical science fields of astronomy, chemistry, geology, and physics.

D. *Social sciences*: To be appropriate a course should

- (1) Serve the primary function of broadening the student's program of liberal studies.
- (2) Be concerned primarily with substantive content or theory rather than with acquisition of technical or methodological skills, with understanding such content or theory rather than with its application.
- (3) Be concerned with relatively broad issues rather than with highly specialized topics in a given field.
- (4) Be selected in general from the fields of anthropology, economics, government, history, psychology, sociology. Not more than six credits may be taken in any one field.

DEGREE REQUIREMENTS:

CLASSES OF 1964, 1965, 1966

Students who matriculated prior to September, 1963, will meet the requirements for the degree as follows:

1. *Core Courses in the College of Home Economics*
 - a. Clothing: TC 170
 - b. Design: HD 100 (for either 2 or 3 credits)
 - c. Food: FN 192 or FN 103
 - d. Interpersonal and family relationships: CD 115 or CD 162
 - e. Management of resources: HEM 128 and HEM 130; or HEM 100. Students following the HEM 128 and HEM 130 combination must complete both courses during 1963-1964.
 - f. Shelter: HD 147
2. *Courses outside the College of Home Economics*
 - a. Requirements in Group I and Group II as shown on p. 12 under "Requirements prior to September, 1963" or
 - b. Requirements in humanities, natural sciences, and social sciences as shown on p. 13 under "New Requirements, effective September, 1963."

A combination of 2a and 2b is not permitted. Students will indicate in writing in the spring of 1963 which plan they will follow.

COMMENCEMENT

Students who complete their work for the degree in February or September may participate with their class in the Commencement exercises in June if they wish to do so.

ACADEMIC HONORS

DEAN'S LIST

Excellence in academic achievement is recognized each semester by placing on a Dean's list the names of students who receive an average of 85 per cent or higher for the semester.

DEGREES WITH DISTINCTION

Degrees with distinction are awarded each year to those seniors who have consistently achieved outstanding scholastic records. Those honored are selected from the top 10 per cent of the graduating class at the end of the seventh semester. The "graduating class" is interpreted as those students who will complete work for the degree in February, June, or September of the same calendar year. The following requirements must be met by those selected:

1. The cumulative average for courses in home economics subject matter at the end of seven semesters must be 83 or above.
2. The number of credits with a grade of 79 or below must not exceed 15 per cent.
3. Transfer students must have completed 45 credits at Cornell. In determining the average, work taken previously at another college is included.

Eligible students are reviewed by the Committee on Petitions and Academic Standing, and the names of those who meet the requirements above are presented to the faculty for approval.

OMICRON NU

The purpose of Omicron Nu, the Home Economics Honorary, is to recognize superior scholarship and to promote leadership and research in the field of home economics. Membership denotes a superior academic standing and a record of leadership or participation in campus activities. Students are eligible if, as juniors, they are in the upper 15 per cent of their class and have a cumulative average of not less than 82; or, as seniors, they are in the upper 25 per cent of their class and have a cumulative average above 81.5 per cent.

BORDEN AWARD

The Borden Home Economics Scholarship is awarded to the top-ranking member of the senior class (see page 33).

COUNSELING SERVICE

EACH student, upon admission to the College, is assigned to a counselor who will work with her throughout her college course. The Counseling Service is maintained to foster the maximum growth and development of the student in matters relating to personal and educational adjustment and to professional choice. Some counseling is conducted on a group basis, as in the course Educational Perspectives, required of freshman students; frequently it is on an individual basis through student conferences. The student may consult her counselor at any time.

ORIENTATION OF NEW STUDENTS

DURING THE SUMMER, PRIOR TO ENTRANCE IN SEPTEMBER . . . Orientation begins with an exchange of correspondence during the summer between the student and her counselor. The counselor's letters include such information as how to apply for part-time work during the school year, arrange-

ments for opening checking accounts in the Ithaca banks, suggestions for getting baggage to Ithaca, and a list of types of clothing appropriate for campus wear. Each year the clothing list is prepared by the students who are in the College. The entering freshman, in turn, submits an autobiography and an outline of the courses she would like to include in her first term, and raises whatever questions she may have. The final letter from the College is a request that the student come to the campus for the University orientation program.

UNIVERSITY ORIENTATION IN SEPTEMBER . . . All new students and intercollege transfers report to the campus several days before classes begin and before former students return. Routine examinations (physical, psychological, and proficiency) which are required of all students are taken at this time so that they do not interfere with course work after college starts.

Members of the Counseling Service acquaint students with the academic program of the College, distribute to students the schedule of courses which was planned for each on the basis of the summer correspondence, explain the relationship of the Counseling Service in the College to student services available elsewhere on the campus, and instruct the students in registration procedures.

Parents who bring their daughters to the College of Home Economics are invited to participate in the orientation program through a meeting and a tea which are planned for them. In this way parents as well as students have an opportunity to meet the Dean, the instructors, and members of the counseling staff.

The University sponsors class assemblies, discussion groups, and other events which are designed to help students become familiar with the University environment.

FRESHMAN COURSE . . . A course, Educational Perspectives, is required of all freshmen in the first semester and is taught by members of the counseling staff. It is designed to help the entering student understand the relation of home economics to general education, become aware of the variety of experiences available in the University community, and build a four-year program that will utilize many of these in a way that will be meaningful to her as an individual, a potential homemaker, a citizen, and a professional person. A major segment of the course deals with professional opportunities for home economists and the professional requirements of them.

EDUCATIONAL, PERSONAL, AND VOCATIONAL COUNSELING

The student plans at least one conference each term to discuss her program for the following semester. "Program" is interpreted by the College to include all of the activities—academic, personal, social, and remunerative—to which the student gives interest and time. It is thought of as the means through which each student will prepare to meet her citizenship responsibilities after graduation as well as the responsibilities of her profession and her home. The counselor helps the student in every way possible to make effective use of the resources of the University and the University community for the fulfillment of her needs and purposes, and to broaden the scope of her interests.

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Most students carry schedules of 15-18 credits, exclusive of physical education. During the several terms, however, either more or fewer hours may be taken, depending on the ability of the individual and the demands which other aspects of her program put upon her physical resources and her time. To carry more than 18 credits or less than 12 in a given semester requires the approval of the faculty committee on petitions and academic standing (see page 48).

Student activities are a valuable supplement to the course of study, as are remunerative work experiences during the school year and the summer. Participation in such activities is encouraged in reasonable proportion to academic studies.

The student in academic difficulty frequently comes to her counselor to seek help in finding the cause of the problem and the means to its solution. Matters of personal-social adjustment, financial need, and vocational indecision are also the counselor's concern. Specialized services, in such areas as health, finances, remedial reading, and testing, are maintained by the University for all students, and referrals are made to these when the student's needs and problems indicate that this is desirable.

Each girl is encouraged to analyze her interests and abilities, to investigate opportunities, and to make a plan which will give her professional or preprofessional preparation. Most students prepare for a profession as well as for homemaking. The counselor helps the student in selecting a professional field through assisting her to learn how to study a job, to consider her interests and aptitudes, and to study these in relation to the requirements of particular fields of work.

Certain professions require specific preparation, and in such cases the counselor discusses with the student the ways in which she can most adequately plan to meet the requirements. Girls are referred to members of the teaching staff, placement officers, workers, and employers, and to vocational literature for information about the various opportunities in their fields of interest and the qualifications that are usually expected. Each student is encouraged to use her courses, extracurricular activities, and work experiences to increase her knowledge and understanding of the kind of work she is considering.

PLACEMENT SERVICE

The Placement Office, a division of the Counseling Service, is responsible for the program of after-college placement of seniors, graduate students, and alumnae, with the exception of those who complete certification for teaching in the public schools and register in the Educational Placement Bureau in the School of Education.

The Placement Office acts as a liaison between staff, students, and employers. As a part of the Counseling Service of the College, its particular concern is to help students and staff, through sharing vocational information, to know something of the many work opportunities available for home economics graduates. Information regarding the personal and academic qualifications outlined by employers and the experience required as preparation for many jobs may help in the planning of a student's college program. Frequent bulletins of job descriptions, files of occupational leaflets for student and faculty use, and displays and

other visual aids are among the media used. Guidance is given through individual conferences; the freshman course, Educational Perspectives; and other group meetings.

The placement program is carried on with undergraduates, graduate students, and alumnae. Many requests received in the Placement Office are for experienced workers. As part of the service to graduates of the College, and to supplement the candidate's application letter or interview, credentials are prepared and sent to employers. These include course titles, credits and grades, college activities, summer school or postgraduate study, work experiences, and the recommendations of instructors and previous employers of the candidate.

The program of summer employment also centers in the College Placement Office. Summer jobs help students to see conditions of work at first hand and to increase their knowledge of vocations. Assistance is given in the making of contacts, and follow-up conferences are held with students to help them relate work experiences to the total program of vocational planning.

SUMMER AND PART-TIME EMPLOYMENT

Summer work serves a twofold purpose. In addition to financial assistance, it provides an opportunity for the student to gain vocational experience, in some cases to see the various opportunities a given vocational field offers, and to learn something of the personal qualifications and adjustments required.

Seventy-five per cent of the students in the College reported jobs of at least four weeks' duration for the summer of 1962. Many held camp jobs as counselors, dietitians, or assistant dietitians; others worked in resorts and summer hotels as waitresses, cooks, clerical workers, hostesses; in families as general assistants, responsible for either food preparation or the care of children; in tea rooms and cafeterias as general assistants; in department stores as salespeople; in offices as secretaries, stenographers, or clerical workers; in nursery groups and playgrounds as teachers or assistant teachers; and in industrial plants as semiskilled and unskilled workers. Some worked as apprentices in the dietary or nursing departments of hospitals; this is an excellent opportunity for students who anticipate postgraduate training in hospital dietetics or nursing.

There are some opportunities for regular part-time work during the college year in the laboratories and departmental offices of the College. Application for these may be made in the College Placement Office.

Students may earn small amounts by doing miscellaneous work by the hour such as caring for children, serving at teas, light housework, clerical work, stenography, and typing. Calls for this work are irregular, and one cannot depend on earning any definite amount.

Information about opportunities for employment on the Cornell campus during the school term, except for jobs in the College itself referred to above, may be obtained from the Office of Scholarships and Financial Aid, Day Hall.

It is hoped that earning money will not have to be a main consideration all the time a student is in college. Much valuable experience is to be gained from an apprenticeship in a field in which a student hopes to be employed later, but often such apprenticeships cannot be paid, inasmuch as the student does not yet have sufficient experience to make her valuable to the organization.

PROFESSIONAL OPPORTUNITIES

THE BASIC preparation of the home economics graduate leads to a wide variety of occupations. In certain professional fields the undergraduate courses will be followed by professional training. There are many openings for people with experience and advanced study. There are excellent opportunities for beginners as well.

Educational services call for work with young people at various age levels and, in some cases, with adults. Undergraduates may meet the state requirements for certification for teaching home economics in secondary schools. Teachers in the secondary schools often share in the community adult education programs.

The College does not offer a program leading to the certificate for either early childhood education or elementary teaching. A fifth year of postgraduate work in a teacher training program is recommended for students interested in completing these certification requirements. There are many opportunities for working with children for which students may prepare. Nursery schools, day care centers, hospital activities programs, and classes for the handicapped are a few examples.

The *state Cooperative Extension Service* positions are also educational services, and there are opportunities for beginners as well as experienced workers in many states as home demonstration agents working with adult homemakers or as 4-H Club agents. These workers teach in community centers and in homes rather than in public schools.

Social work is closely related to the educational field. Case work and such group work positions as those of the executives for the Girl Scouts or Camp Fire Girls, directors of teen-age or young-adult programs of the Y.W.C.A., directors of family development programs and children's activities programs in the community centers all include informal teaching, as do the jobs of home economics consultants in social welfare agencies. For many positions in social work, graduate training is required.

Group work positions with many of the above-named organizations are excellent experience and may be had at beginning levels. There are also good opportunities for beginners to get experience in case work before going on to graduate study. Public agencies, such as the family and child welfare county organizations, give on-the-job training to junior case workers. A state civil service examination is usually required. Many good agencies support educational-leave programs to assist young workers to start advanced study.

Home economics relates easily to many of the *health vocations*. Some graduates take additional work which leads them into such fields as nursing, physical therapy, or the teaching of homemakers who are handicapped. Occupational therapy requires graduate training but utilizes the background courses in art activities, creative materials, child development, and the dynamics of human behavior which are in the home economics program.

For graduates with an emphasis in *nutrition* there are opportunities in both the health and social work areas. Nutritionists are employed in hospitals, in federal, state, and local health and welfare agencies as well as in industrial health programs and public schools.

Graduates with an emphasis in *institution management* are qualified for ad-

ministrative positions in food service including hospitals, colleges and universities, and public schools. Emphasis in food and nutrition, and institution management also qualifies a student for additional professional training in an approved dietetic internship. The largest percentage of these internships are offered by hospitals (see page 24, Postgraduate Internship Training in Dietetics).

The *home economist in business* may work with food, textiles, clothing, or equipment, in promotion, experimentation, writing, or combinations of these. Promotional work in foods and equipment offers increasing opportunity. Testing, consumer education, and research utilize home economics training in jobs in test kitchens and equipment laboratories, in utility companies, in textile firms, and in pattern companies. Designing, either in fashion or interior design, requires additional professional training in schools of design, but there are related openings for the home economics graduate.

Home economics writing is open to those with either a general or a specialized home economics background supplemented by courses in writing and journalism. Home economists with writing ability are needed by magazines, newspapers, business concerns, and university information services. Workers in the fields of business and extension are called upon more and more to write for publications and to participate in radio and television programs.

EMPLOYMENT DISTRIBUTION OF 1988 * GRADUATES JANUARY 1, 1963

	Total	Per Cent
BUSINESS	304	14.60%
Advertising 6		
Art and Photography 5		
Clerical and Secretarial 102		
Designing 5		
Food Testing and Promotion 41		
Home Service and Equipment 44		
Interior Decorating 6		
Merchandising 48		
Miscellaneous 22		
Self Employed 18		
Textiles and Clothing, Testing and Promotion 7		
COMMUNICATIONS	45	2.16%
EDUCATION	1,059	50.88%
Administration 61		
Cooperative Extension Service.....	144	
Extension Administrators 13		
Extension Associates 3		
Extension Information 11		
Extension Foreign Service 6		
Home Demonstration Agents 54		
4-H Club 11		
Extension Specialists 44		
Miscellaneous Extension 2		
Supervision 17		
Teaching	837	
Adult Education 15		
College Teaching	193	
Child Development and Family Relationships 38		

* This group includes 1478 graduates with the Bachelor's degree and 510 persons who received an advanced degree from the College after doing their undergraduate work elsewhere. It represents 34.09 per cent of the total living graduates. Approximately half of the employed group are married women.

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	Total	Per Cent
Food and Nutrition 43		
Home Economics Education 18		
Household Economics and Management 20		
Housing and Design 6		
Institution Management 5		
Textiles and Clothing 33		
College—General Home Economics 3		
Miscellaneous College Teaching 27		
Educational Programs for Handicapped Children 19		
Elementary School 56		
Kindergarten and Primary School 123		
Nursery School 34		
Secondary Schools—Home Economics 348		
Secondary Schools—Other than H.Ec. Subjects 19		
Institutes and Junior Colleges 14		
Vocational and Trade Schools 4		
Miscellaneous Education 12		
FOREIGN SERVICE	51	2.45%
GRADUATE STUDY	123	5.98%
Non-Candidate and Special 2		
Assistantships and Fellowships 19		
Other Study 7		
Study for Advanced Degree 95		
INSTITUTION MANAGEMENT	230	11.05%
College Foods 28		
Commercial Restaurants 24		
Hospital Foods 99		
Industrial Foods 10		
Miscellaneous I.M. Jobs 5		
Public and Private School Foods 49		
Residence Management 4		
A.D.A. 11		
LIBRARY	4	.19%
MISCELLANEOUS (general)	16	.76%
NURSING AND RELATED	16	.76%
Nursing 8		
Occupational Therapy 3		
Physical Therapy 1		
Physician 4		
NUTRITION AND PUBLIC HEALTH.....	29	1.39%
PERSONNEL AND GUIDANCE.....	20	.96%
RESEARCH AND LAB TECHNICIAN.....	89	4.27%
SOCIAL WORK	95	4.55%
Case Work 38		
Consultant 4		
Cottage Supervision 2		
Group Work and Recreation 21		
Investigator 1		
Medical and Psychiatric 12		
Miscellaneous Social Work 9		
Religious Work 8		
Total Employed	2,081	
Less Duplicates Included.....	93	
Final Total	1,988	34.09%

PROFESSIONAL PREPARATION

SEVERAL fields of work, such as extension, secondary school teaching, and hospital foods work, have definite preparation requirements. Some of these are discussed in the following pages.

EXTENSION TEACHING

The New York State Extension Service, in cooperation with the United States Department of Agriculture and county Extension Service Associations, offers home economics education to citizens of the state in their home communities. Both the Home Demonstration and 4-H Club Departments of these associations, which are subordinate agencies of government, cooperate with the New York State College of Home Economics in the development and implementation of programs including the selection and maintenance of the professional staff.

Extension teaching is conducted:

- with homemaker and youth groups specifically organized by County Extension Service Associations for educational work in home economics;
- with other organizations or agencies, public or private;
- through distribution of bulletins, radio talks, TV presentations, press releases, exhibits, telephone and personal conferences.

Professional opportunities in the field of extension teaching include the positions of county home demonstration agents, associates and assistants; 4-H Club associate agents and assistants; and the state positions of supervisors and subject-matter specialists. State positions require graduate training.

Students wishing to qualify for extension teaching positions must complete satisfactorily the four-year course in home economics. Students are advised to follow one of the recommended curricula for extension work. Information about these may be obtained from the student's counselor.

TEACHING HOMEMAKING IN SECONDARY SCHOOLS

Students in the College who have satisfactorily completed the graduation requirements and who have followed a recommended curriculum in teacher education are eligible for a five-year provisional certificate to teach homemaking in the secondary schools in New York State.

Thirty semester hours of post-Bachelor's study are required for eligibility for permanent certification.

INSTITUTION MANAGEMENT

The Department of Institution Management prepares students for dietary positions in hospitals and related institutions such as colleges and universities, public schools, business, industry and commercial food services. Positions are also available in college and extension teaching, research, public health and food clinics. There are many opportunities for beginners as well as excellent openings for persons with experience and advanced study. The courses offered in institution management are listed on page 77.

A summer practicum is required for students majoring in Institution Management and those who plan to meet the requirements of the American Dietetic Association. This summer practicum is met by the completion of approved full-time employment of not less than 8 weeks during one summer period. Contacts for positions are made through the Placement Office and the department head.

POSTGRADUATE INTERNSHIP TRAINING IN DIETETICS

For positions in dietetics, additional professional training in a postgraduate internship is recommended. The three types of Dietetic Internship Programs approved by the American Dietetic Association are: 1) internships in business and industry and in colleges or universities providing emphasis on food service administration; 2) internships in hospitals providing emphasis on hospital food service administration and therapeutic dietetics; and 3) food clinic internships providing emphasis on nutrition education and therapeutic dietetics.

The American Dietetic Association has outlined a program of study as prerequisite to membership and for admission to an approved postgraduate internship. Basic courses are required in physiology, bacteriology, chemistry, food and nutrition. Additional required courses emphasize three areas: food service management, education, or experimental and developmental foods. The sequence is completed by course concentration in: 1) therapeutic and administrative dietetics, 2) business administration, or 3) advanced food science and nutrition.

These internships are ordinarily twelve months in length, and details of the approved programs are available in the Placement Office.

AFFILIATION WITH THE MERRILL-PALMER INSTITUTE OF HUMAN DEVELOPMENT AND FAMILY LIFE

The College carries an affiliation with the Merrill-Palmer Institute in Detroit, a private institution with a program centering on human development and human relations. Along with attendance in classes, students observe and participate in real-life situations involving an individual and his relationships to his family and his community. The Institute's emphasis on the "total" person and the entire life experience—from conception to old age—gives undergraduate and graduate students a unique opportunity to supplement their college curricula.

Students interested in various phases of child development; parent education; social service work; nutrition; or extension, secondary school, or other teaching may apply to a selection committee at the College for study in Detroit. Study may be for either term of the senior year or the second term of the junior year. Selection is made on the basis of scholarship (which should be above average), sincerity of interest, and readiness for intensive work. Application blanks may be obtained in the Office of the Secretary of the College of Home Economics and should be filed by April 15 in the academic year preceding attendance. Notices of acceptance will be sent by May 1.

Students receive 15 credits at Cornell for courses taken at the Merrill-Palmer Institute unless they have had previous study *in absentia* (see page 52). They will register in the University *in absentia* and be required to pay a fee of \$12.50 to bind their registration at the University during the period of absence.

Tuition and fees at Merrill-Palmer amount to approximately \$150 a semester. Board and room total approximately \$405. There are a few opportunities for part-time work for students who need to earn.

A summer quarter carrying three courses and representing a full semester's credit is offered June 17 to August 23, 1963. Tuition for the three courses costs \$100; room and board, \$270. Tuition for separate courses is \$12 per credit hour.

A limited number of fellowships for graduate study are available each year for study at the Institute. Students interested in these should consult the Merrill-Palmer catalog. Merrill-Palmer graduate credits may be counted toward the Doctor's degree at Cornell under certain conditions. Students interested in the graduate program should consult the field representative in the Department of Child Development and Family Relationships.

THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

A combined course taken partly at the University in Ithaca and partly at the Cornell University-New York Hospital School of Nursing in New York City leads to the degree of Bachelor of Science in Nursing. Students should not apply to the College of Home Economics anticipating transfer to the School of Nursing unless they have a special interest in the program of this College. These students are expected to combine courses in home economics with those specifically required for entrance to the School of Nursing during the two years they are in the College.

Students wishing also the degree of Bachelor of Science in home economics may receive credit toward that degree for certain courses taken at the School of Nursing and will return to Ithaca for additional study after completing their work at the hospital.

GRADUATE SCHOOL OF NUTRITION

The Graduate School of Nutrition offers unique and diverse research and training programs in food and nutritional science, for both men and women. The resources of many departments and divisions are integrated to provide special academic programs leading to the professional degrees, Master of Nutritional Science or Master of Food Science. The School prepares its students for a variety of careers, such as industrial or academic research involving nutritional biochemistry, clinical nutrition, public health, college teaching, animal feed, food technology, and government and international agencies.

To be admitted to the School the applicant must hold a Bachelor's degree or its equivalent from a college or university of recognized standing. The applicant must have definite professional interest in the field of nutritional science or food science.

For detailed information concerning admission to the Graduate School of Nutrition and the courses of study to be followed during the first three years of college work preparatory to entrance in the School, see the *Announcement of the Graduate School of Nutrition*.

LIVING ARRANGEMENTS

CORNELL University provides comfortable, well-furnished dormitories and dining rooms for undergraduate women. These residence units are supplemented by fourteen sorority houses.

Except as indicated in the following paragraph, all undergraduate women whose homes are outside Ithaca are required by University policy to live and take their meals in a unit of Residential Halls or a sorority house (members only). Permission to live elsewhere in Ithaca is granted only under exceptional circumstances upon written application to the Office of the Dean of Students, 133 Day Hall.

University housing is not provided in undergraduate units for the following groups: (1) women twenty-two years of age or older; (2) married women; (3) fifth-year students in professional schools. Permission for students in these categories to live within the residence units or a sorority house may be requested under exceptional circumstances by written application to the Office of the Dean of Students.

An application for living accommodations for undergraduate women will be enclosed in the letter of provisional acceptance sent to each successful candidate by the Office of Admissions.

Dormitory accommodations are available for graduate women. Detailed information and a room application blank can be secured by writing to the Department of Residential Halls, 223 Day Hall.

HEALTH SERVICES AND MEDICAL CARE

HEALTH services and medical care are centered in the Gannett Medical Clinic or out-patient department and in the Cornell Infirmary or hospital. Students are entitled to unlimited visits at the Clinic; laboratory and X-ray examinations indicated for diagnosis and treatment, hospitalization in the Infirmary with medical care for a maximum of 14 days each term and emergency surgical care. The cost for these services is included in the College and University General Fee. On a voluntary basis, insurance is available to supplement the services provided by the General Fee. For further details, including charges for special services, see the *Announcement of General Information*.

EXPENSES

TUITION

Undergraduate tuition is \$200 per term for a resident student and \$300 per term for a nonresident student. A resident student is one who has been a bona fide resident of the State of New York for at least twelve months prior to the first registration in the College of Home Economics. A student who is not a resident on entrance is held for nonresident tuition throughout the remaining college terms.

A student transferring from one college or course in the University to another must pay for the hours of credit allowed in the latter college or course an amount

corresponding to the difference in tuition; no such transfer shall be allowed or credit given until such payment has been made. The taking of such credit may not be reduced or deferred.

FEES

A UNIVERSITY AND COLLEGE FEE of \$62.50 each term for a resident student and \$162.50 each term for a nonresident student is charged. A student who is not a resident on entrance is held for the nonresident fee for all the college terms. The University and College fee covers the following services:

Administration and endowed college laboratory services.

Health and infirmary. See "Health Services and Medical Care" above.

Student Union membership. Membership entitles the student to a share in the common privileges afforded by the operation of Willard Straight Hall, subject to regulations approved by the Board of Managers of the Hall.

Physical recreation. Women students are entitled to the use of the women's recreation rooms and playgrounds, and to the use of a locker.

Student activities. Various student organizations, approved by the Student Government, are open for membership to all students.

AN APPLICATION FEE OF \$10 must be paid at the time an application for admission is submitted.

A DEPOSIT OF \$45 is required of every student upon acceptance for admission to the University, and when the student first registers it is used to cover matriculation costs.

SPECIAL FEES. Assessments, charged to the student's account and payable at the Treasurer's Office, are levied upon the student in certain circumstances.

A fee of \$12.50 is charged for registration *in absentia* (see p. 52).

Fees for late registration, or for examination to make up an "incomplete," are discussed on pages 49 and 50.

A student is held responsible for payment of appropriate fees for any injury done to any of the University's property.

DATES FOR PAYMENT OF BOARD AND ROOM, TUITION, AND FEES

The charge for board and room in the women's dormitories is \$1,085 a college year, payable in four equal installments. For the fall term, the first payment is due 30 days prior to the date of registration and the second payment at midterm. For the spring semester, payments are due at the beginning of the term and at midterm.

Tuition and other fees must be paid within the first ten days of each term. The last day of grace is printed on the bill for tuition and fees which the student is required to present at the Treasurer's Office.

Any student who fails to pay her tuition, fees, room and board, and other indebtedness to the University, within the prescribed period of grace, is thereby dropped from the University unless the Treasurer has granted her an extension of time to complete payment. The Treasurer is permitted to grant such an extension, when, in his judgment, the circumstances of a particular case warrant his doing so. For such an extension, a fee of \$5 is assessed. A reinstatement fee of

\$10 is assessed any student who is permitted to continue or return to classes after being dropped from the University for failure to pay within the prescribed time. The assessment may be waived in any instance for reasons satisfactory to the Treasurer and the Registrar, when such reasons are set forth in a written statement.

Tuition or any fee may be changed by the Board of Trustees to take effect at any time without previous notice.

PROCEDURE FOR PAYMENT OF FEES AND DEPOSITS

The Registrar provides each student with registration forms prepared on machine record cards. One of these cards in each term is a combination bill and receipt. The student presents this card to the cashier in the Treasurer's Office when she makes payment. The Treasurer does not issue term bills. Since there are penalties for late payment of fees as described above, it is important that all bills be paid within the prescribed time.

CASHING OF CHECKS

Checks in payment of students' accounts should be drawn in the amount owed. Students are advised to open an account in an Ithaca bank as soon as they arrive in town, or else to provide themselves with travelers' checks, drafts on New York City banks, money orders, or other forms of credit instruments such as a bank will cash in the ordinary course of business.

ESTIMATE OF ANNUAL EXPENSES

Personal expenses, such as transportation to and from home, clothing, recreation, and miscellaneous items are to be estimated by the individual.

REQUIRED FOR ALL STUDENTS:		Resident	Nonresident
* Tuition		\$ 400.00	\$ 600.00
† Room and board in dormitory.....		1,085.00	1,085.00
* University and College General Fee.....		125.00	325.00
Books and equipment	}		
Personal allowances		385.00	385.00
Laundry and cleaning			
Total		\$1,995.00	\$2,395.00
REQUIRED FOR NEW STUDENTS:			
* Deposit with treasurer, paid prior to entrance and used for matriculation cost		\$	45.00
‡ Room deposit		\$	25.00
For freshmen and sophomores			
Gymnasium equipment (to be purchased according to department's instructions)		\$	18.00

OPPORTUNITIES FOR EARNING EXPENSES

Applicants should understand at the outset that while at college there is no way to earn the entire amount necessary for college expenses. Even before launching a plan to earn a portion of the college costs, a student should give careful consideration to the amount of remunerative work that she may have to carry and still be successful in an average college program. Otherwise, health, the quality of scholastic work, and many of the opportunities which a college

* Special students also are held for these fees.

† Additional charge is made to students remaining in Ithaca during Christmas and spring vacations.

‡ Applied in full against initial room and board bill.

education affords may be unnecessarily sacrificed. In planning her college program, a student should remember that classroom work is but one part of education. Opportunities for participation in activities, time for social life, special lectures and concerts, reading, relaxation, sleep, and even spare time are important in the total program, supplementing the courses for which the student registers. It is important for a freshman to find her place in the new community as early as possible, and this should be taken into consideration in planning the time she should take to earn a portion of her college expenses. In spite of these advantages in keeping the work load to a minimum during the first year, there are times when it is obvious that attending college will be impossible unless the student earns a substantial amount of her expenses. In such instances it is imperative that a four-year financial plan be worked out carefully. Some types of substantial employment are best obtained during the first year. Also, when earning is spread wisely over the four college years, the student has a feeling of financial security from the beginning and may avoid carrying too heavy a work schedule at a later period in her college career. For more detailed information on employment opportunities and for help in planning a realistic budget, the student may write to the Employment Counselor, Office of Scholarships and Financial Aid, Day Hall. (See also "Summer and Part-time Employment," page 19.)

SCHOLARSHIPS, EDUCATIONAL GRANTS, PRIZES, LOANS

STUDENTS in the New York State College of Home Economics are eligible to compete for certain scholarships that are open to undergraduates in any college of Cornell University.

Certain other scholarships are available particularly to students in the College of Home Economics. These are described in the following pages. Unless otherwise stated in an individual scholarship, all of these awards are made in recognition of financial need, leadership, and academic achievement. A cumulative average of 81 or better is required for scholarship awards.

Home Economics scholarships available to freshmen are the Sears-Roebuck Scholarships, the Eastern Milk Producers Cooperative Scholarships, one of the Home Economics Club scholarships, the Home Economics Alumnae Elizabeth Lee Vincent Scholarship, the Grace Schermerhorn Scholarship, and several of the tuition scholarships for nonresidents. Freshman scholarships are usually awarded during the summer prior to entrance.

Prospective freshmen who wish to apply for scholarships should take the College Board Scholastic Aptitude Test in January. They may obtain scholarship application forms from the Office of Scholarships and Financial Aid, Day Hall. These should be requested prior to February 15 and must be filed by March 1, as indicated on the forms.

This procedure covers all freshman scholarships except the Grace Schermerhorn scholarship. See page 34 for the procedure to be followed for that.

Scholarships available to sophomores, juniors, and seniors are usually awarded in May and are effective for the following year. Applications for these must be made by April 15, on forms obtainable at the Office of the Secretary of the College.

THE HOME BUREAU SCHOLARSHIPS AND EDUCATIONAL GRANTS

The income from thirteen funds established by the New York State Federation of Home Bureaus provides a large group of scholarships and educational grants annually. The Martha Van Rensselaer, the Flora Rose, and the Ruby Green Smith funds provide scholarships. All the other Home Bureau funds may be used to award either scholarships or educational grants.* A cumulative average of 81 or better is required for the award of a scholarship, though this is not necessary for a grant.

All the Home Bureau scholarships and grants are open to sophomores, juniors, and seniors.* Preference is given to those from upstate New York and Long Island, and to those preparing for work in the Cooperative Extension Service. However, students from any part of the state, preparing for work in any branch of the home economics professions, are considered eligible.

The Home Bureau funds were established as a result of dime contributions from members of the Home Bureaus throughout the counties of upstate New York and Long Island.

THE MARTHA VAN RENSSELAER SCHOLARSHIP was established in 1932 and was named in honor of the first director of home economics at Cornell. Miss Van Rensselaer was a moving spirit in the organization of the Federation of Home Bureaus. She was a pioneer in the development of extension work and in the establishment of home economics at the college level. In 1923 she was chosen as one of the twelve greatest women in the United States, by a committee appointed by the League of Women Voters. The scholarship, amounting to \$275.00 was held during 1962-1963 by Linda Phelps '65.

THE FLORA ROSE SCHOLARSHIP, established in 1939, was named in honor of the person who worked with Miss Van Rensselaer as co-director of home economics at Cornell and later became the second director of the New York State College of Home Economics until her retirement in 1940. The first award was made for the year 1939-1940. The amount is \$275. The scholarship was held during the year 1962-1963 by Kathleen Schmitz '63.

THE RUBY GREEN SMITH SCHOLARSHIP was started in 1935 and was named in honor of Mrs. Smith, a former state leader of Home Demonstration Agents (1932-1942), and counselor of the New York State Federation of Home Bureaus. Mrs. Smith was the author of the Home Bureau Creed and the International Creed of the Associated Country Women of the World. The scholarship was first awarded in 1936-1937. The amount is \$275. It was held during the year 1962-1963 by Candace Kelly '65.

The following may be awarded as either scholarships or educational grants:

THE CARRIE GARDNER BRIGDEN AWARD was established in 1923 and was first awarded in 1927-1928. It was named in honor of the first president of the New York State Federation of Home Bureaus. It was given as a grant of \$330 in 1962-1963 to Shirley Brasted '63.

* Action of the New York State Federation of Home Bureaus, November, 1960.

THE NETTIE M. ROODS AWARD was named in honor of a former treasurer of the New York State Federation of Home Bureaus, and chairman of the Federation scholarship committee for many years. The amount is \$275. Begun in 1943 and first given in 1945-1946, it was held in 1962-1963 by Margaret Crowe '63 as a grant.

THE ANNA GAGE PUTNAM AWARD, established in 1945, was named in honor of a member of the first Board of Directors of the New York State Federation of Home Bureaus. Mrs. Putnam was for seven years the secretary of the Federation. The first award was in 1946-1947, and the amount is \$275. It was held as a grant in 1962-1963 by Caryl Nutting '64.

THE MARTHA H. EDDY AWARD was established in 1946 and awarded for the first time for the year 1947-1948. Mrs. Eddy, in whose honor it is named, was president of the New York State Federation of Home Bureaus. She was a member of the Saratoga County Home Bureau from the time of its organization and was one of the college counselors of the Federation. The amount is \$275. It was held as a grant in 1962-1963 by Virginia Ahrens '64.

THE ANN PHILLIPS DUNCAN AWARD, established in 1940, was named in honor of a Home Demonstration Agent for Broome County, one of the first agents in the state. Mrs. Duncan was one of the organizers of the State Federation of Home Demonstration Agents and served on the State Fair Commission. The amount is \$275. It was held as an educational grant in 1962-1963 by Judith Baker '63.

THE ELIZABETH MacDONALD AWARD was established in 1947 and given for the first time for the year 1948-1949. It is named in honor of a past president of the New York State Federation of Home Bureaus, who was also for ten years director of the Associated Women of the American Farm Bureau Federation. The amount is \$275, and during the year 1962-1963 it was held by Patricia Podolec '63 as a grant.

THE ELIZA KEATES YOUNG AWARD was established in 1948 and awarded for the first time for the year 1949-1950. It is named in honor of the third president of the New York State Federation of Home Bureaus, who was for many years a member of the Legislative Forum Committee. Mrs. Young's efforts in Albany made it possible for her to help secure state funds for the building of Martha Van Rensselaer Hall. Mrs. Young has also been prominent in work with the Associated Country Women of the World. The amount is \$275. It was given as an educational grant in 1962-1963 to Sharon Johnstone '64.

THE CORA L. TYLER AWARD was established in 1949 and awarded for the first time in 1950-1951. It is named in honor of the sixth president of the New York State Federation of Home Bureaus. The scholarship amounting to \$275 was held during 1962-1963 by Stephanie Closter '64.

THE EVALYN F. GATCHELL AWARD was established in 1951 and awarded for the first time in 1952-1953. It is named in honor of the seventh president of the New York State Federation of Home Bureaus, who was a member for many years of the State Board of Directors. Mrs. Gatchell was present at the meeting in 1919 which was called to organize the New York State Federation of Home Bureaus and represented the Rural Women of the United States at the Peace

Bridge at the unveiling of the bronze plaque, given by the Associated Country Women of the World, commemorating 150 years of peace between the United States and Canada. The amount is \$275. It was awarded for 1962-1963 to Barbara Conway '64 as a grant.

THE EDITH P. WAGENBLASS AWARD is the newest in the group, established in 1952 and awarded first for the year 1953-1954. It is named for the eighth president of the Federation. Mrs. Wagenblass was also chairman of the organization committee which secured a home bureau for Wyoming County. The amount is \$275. In 1962-1963 it was awarded to Lillian Clickner '64 as a grant.

HOME ECONOMICS ALUMNAE ASSOCIATION SCHOLARSHIPS

THE HOME ECONOMICS ALUMNAE MARTHA VAN RENSSELAER SCHOLARSHIPS are given in honor of Martha Van Rensselaer, the first director of home economics at Cornell. The fund was established by the College Alumnae Association in 1941, and the first award was made for the year 1942-1943. The fund was doubled in 1960 through a bequest of Miss Flora Rose who was co-director of the College with Miss Van Rensselaer, and later director. Awards are made to incoming sophomores, juniors, or seniors who are outstanding students. A scholarship of \$400 was awarded for 1962-1963 to Susan I. Brown '65, \$300 to Marjorie Seymour '64, \$300 to Ann Weiner '64, \$200 to June Goldstein '64, \$200 to Stephanie Schus '65, and \$215 for the second semester to Mary Elizabeth Hinkle '65.

THE HOME ECONOMICS ALUMNAE ELIZABETH LEE VINCENT SCHOLARSHIP was established in 1953 by the Home Economics Alumnae Association of the College in honor of Miss Vincent, upon her retirement as Dean of the College. It was awarded for the first time in 1953-1954. The award is made to an entering freshman on the basis of financial need, scholastic ability, and leadership. Application is made on blanks obtainable from the Office of Scholarships and Financial Aid, Day Hall (see page 29). This scholarship of \$200 was awarded for 1962-1963 to Joanne Moore '66.

OTHER SCHOLARSHIPS

THE BROOME COUNTY HOME DEMONSTRATION SCHOLARSHIP was established in 1957 by voluntary contributions of the home demonstration members in Broome County. The scholarship of \$200 is available to a junior or senior from Broome County if there is an eligible candidate; if there is no one eligible then it is given to a student from another county in New York State. Awarded in 1962-1963 to Marilyn Brower '64.

THE NASSAU-SUFFOLK HOME DEMONSTRATION SCHOLARSHIP was established in May, 1959, through voluntary contributions of home demonstration members in the Nassau and Suffolk County Extension Service Associations to encourage qualified students to prepare for careers in the Cooperative Extension Service. The amount of the scholarship is \$400. Juniors or seniors from New York State are eligible, preference being given to those who are planning to enter home economics extension work upon graduation.

The scholarship was held for the year 1962-1963 by Rhoda Rahn '63.

THE ONTARIO COUNTY HOME DEMONSTRATION SCHOLARSHIP was established in 1961 through the contributions of home demonstration members in the Ontario County Extension Service Association. The scholarship of \$150 is awarded to a junior or senior who is a resident of New York State, preference being given to students from Ontario County. The scholarship is based on academic average. Financial need and leadership are also considered. Awarded for 1962-1963 to Dorothy Samuels '63.

THE ROBERT M. ADAMS 4-H MEMORIAL SCHOLARSHIP was established in memory of Professor R. M. Adams by the 4-H Clubs of the State of New York in 1938. The scholarship yields approximately \$80 a year. Students who are state residents are eligible to apply after their first year in College, and those who have been 4-H Club members are given first consideration. Not awarded in 1962-1963.

THE BORDEN HOME ECONOMICS SCHOLARSHIP . . . A fund established in 1944 by the Borden Company provides for an annual award of \$300 to the top-ranking member of the senior class. The award is made in the fall prior to graduation. The recipient must have completed two or more courses in food and nutrition. The award for 1962-1963 was made to Suzanne B. Young.

THE EASTERN MILK PRODUCERS COOPERATIVE SCHOLARSHIP of \$500 was established in January, 1960, by the Eastern Milk Producers Cooperative Association, Incorporated. Two scholarships of \$500 each were available for 1961-1962. Entering freshmen are eligible to apply for the scholarships provided that they rank in the upper two-fifths of their high school graduating classes. Financial need, evidence of outstanding character, and leadership ability are considered in making the awards. Preference is given to daughters of members of the Eastern Milk Producers Cooperative Association.

Entering freshmen may file application on blanks obtainable from the Office of Scholarships and Financial Aid, Day Hall (see page 29). Other students may apply through the usual channels on blanks obtainable in the Office of the Secretary of the College. Awarded for 1962-1963 to Carla Knight '64 and Phyllis Norton '64.

DAUGHTERS OF THE AMERICAN REVOLUTION INDIAN SCHOLARSHIP . . . The New York State Conference, Daughters of the American Revolution, created in 1929 a scholarship in the College of Home Economics for New York Indian students. This permanent scholarship is in memory of Olive S. Whitman, late wife of ex-Governor Charles S. Whitman. Applications must be filed with Mrs. Benjamin A. Tracy, chairman of D.A.R. Committee on American Indians, 307 S. Manlius Street, Fayetteville, N.Y., by freshmen at the time of application for admission to the College. The scholarship was not awarded in 1962-1963.

DREYFUS MEMORIAL SCHOLARSHIPS . . . Two scholarships of an annual value of \$500 each were established in 1926 by Mrs. Berta E. Dreyfus in memory of her husband, Dr. Louis A. Dreyfus. In their award preference is given first to students coming from high schools of Richmond County, New York, and next to those from Sandusky, Ohio. First consideration is given to those specializing in chemistry, engineering, or agriculture, or to women in home economics or arts and sciences. These scholarships are awarded to incoming juniors and seniors.

An average of 80 or better is required. Applications should be made to the Office of Scholarships and Financial Aid, Day Hall.

THE HOME ECONOMICS CLUB SCHOLARSHIPS . . . Since 1927 the Home Economics Club has provided a scholarship for a member of the incoming senior class. Since 1960 it has provided a scholarship for a freshman also.

The senior scholarship gives preference to a student who is or has been an official member of the Home Economics Club. Both scholarships are based on scholastic achievement and financial need. Selection is made by the faculty committee on undergraduate awards. Entering freshmen may apply through the Office of Scholarships and Financial Aid, Day Hall; other students through the usual channels (see page 29).

A scholarship of \$250 was awarded for 1962-1963 to Kathryn Boehlecke '63 and \$125 to Margaret Bak '66.

THE NEW YORK STATE FEDERATION OF WOMEN'S CLUBS offers two scholarships annually of \$300 each to junior or senior girls in an accredited college in New York State. Many have been held by students in the New York State College of Home Economics. A candidate must be a state resident and must be endorsed by a member club of the State Federation. She must submit a written application, before April 1, to the New York State Federation of Women's Clubs, Miss Virginia M. Dougherty, President, State Federation Headquarters, Nelson House, Poughkeepsie, N. Y.

THE GRACE SCHERMERHORN SCHOLARSHIP was established in 1926 by the Association of Homemaking Teachers of the New York City Elementary and High Schools in memory of a former director of homemaking education there. It is awarded to a student from the New York City schools who has been accepted for admission to the New York State College of Home Economics. To be eligible to apply, a student must be outstanding in scholarship and character, must indicate a desire to teach home economics in the New York City schools, and must be suggested, by the teacher of home economics in her particular high school, to the scholarship chairman of the Association of Home Economics Teachers of New York City. The Executive Board makes the final choice in the selection of a candidate. A scholarship of \$300 was awarded to Carla Meisel '66 in 1962-1963.

SEARS-ROEBUCK SCHOLARSHIPS in home economics were established in 1950 by the Sears-Roebuck Foundation. Four awards, of \$300 each, are made annually to freshman women coming from rural communities of New York State. Half of each award is paid upon matriculation as a freshman, and the remaining half is paid at the beginning of the second semester. The recipients are selected on the basis of financial need, scholarship, and potential leadership. Application may be made on blanks obtainable from the Office of Scholarships and Financial Aid, Day Hall (see page 29). Awarded for 1962-1963 to Alice White '66, and Barbara Thorp '66 and to Joyce Miller '66, and Virginia Winter '66 for one term.

TUITION SCHOLARSHIPS FOR NONRESIDENTS . . . Eight scholarships giving waiver of tuition for the year are open to students who are not residents of New York State. Three give preference to foreign students. Financial need and academic achievement are considered.

Scholarships are awarded to sophomores, juniors, and seniors in May and are effective for the following year. Applications for these must be made by April 15, on forms obtainable at the Office of the Secretary of the College. A minimum average of 81 is required.

Freshmen may apply on blanks obtainable from the Office of Scholarships and Financial Aid, Day Hall (see page 29). Awarded in 1962-1963 to Marjorie Seymour '64, Helaine Gubin '63, Ann Weiner '64, and Constance Price '66.

THE DANFORTH AWARD FOR HOME ECONOMICS SENIORS is given annually by the Danforth Foundation and the Ralston-Purina Mills in St. Louis, Missouri, to outstanding students for the summer between the junior and senior years. Awards have been made in this college since 1936-1937.

This award provides opportunity to study problems of manufacturing, commercial research, distribution, advertising, personnel, and leadership. It covers the student's expenses for two weeks of study and observation at the Ralston-Purina plant in St. Louis and for two weeks of leadership training at the American Youth Foundation Camp on Lake Michigan.

Chosen by a faculty committee, the recipient is selected for her interest in the commercial field, her scholarship and leadership ability, and her physical, mental, social, and religious development. Not awarded for summer of 1962.

THE DANFORTH LEADERSHIP TRAINING SCHOLARSHIP has been awarded annually to an outstanding freshman in the College of Home Economics since 1941-1942. It provides two weeks of leadership training with free tuition and expenses at the American Youth Foundation Camp on Lake Michigan. The scholarship was awarded in 1962-1963 to Gretchen Wunsch '65.

For information concerning Graduate Fellowships and Scholarships, see p. 36.

EDUCATIONAL GRANTS

HOME BUREAU EDUCATIONAL GRANTS . . . By action of the New York State Federation of Home Bureaus in the fall of 1960 all Home Bureau funds except the Martha Van Rensselaer, the Flora Rose, and the Ruby Green Smith funds may be used to award either scholarships or educational grants. (See page 30). Academic average is not specified for these grants.

THE DUTCHESS COUNTY HOME ECONOMICS EDUCATIONAL GRANT was established in 1959 from contributions from members of the units of the Home Demonstration department of the Dutchess County Extension Service Association. It is available every other year. The amount is \$300. The grant is based on financial need, leadership, and scholarship. The award is available to sophomores, juniors, or seniors who are residents of Dutchess County. Not awarded in 1962-1963.

ALUMNAE ASSOCIATION CASH AWARDS . . . A small fund is maintained by the Alumnae Association of the New York State College of Home Economics from which worthy students under financial pressure may receive limited amounts. Applications should be made through the chairman of the alumnae committee on scholarships on blanks available in the Office of the Secretary of the College.

PRIZES

THE PAUL H. GULDIN MEMORIAL ENDOWMENT, established by Mrs. Paul H. Guldin as a memorial to her husband, a graduate of the College of Agriculture in 1912, is to encourage undergraduate students in the Colleges of Agriculture and Home Economics to become interested, and to take part, in the development of a more adequate rural leadership. The income supports a contest for the best original articles or stories, written by undergraduates in these Colleges and published in the *Cornell Countryman*, that contribute to the purpose of the endowment. The contest includes all issues of the magazine for the academic year. A first prize of \$100, a second prize of \$50, and two third prizes of \$25 each are available. Awards will be made not later than June 1 by a committee from the faculty, appointed by the Dean. In the spring of 1962 a second prize was awarded to Hillary Brown '63, and a third prize to Elizabeth Vedder '64.

THE ELSIE VAN BUREN RICE HOME ECONOMICS PUBLIC SPEECH STAGE was endowed by the late James E. Rice, Professor of Poultry Husbandry, to further the preparation of students in home economics for participation in public affairs. Students in good standing have had opportunity to participate in this public speaking contest for a first prize of \$100 and a second prize of \$25. Procedures for the competition are currently being revised.

For information concerning prizes offered in the University and open to competition by students in the College of Home Economics, see the Announcement of Prize Competitions, which may be obtained from the Visitor Information Center, or by writing to the Announcements Office, Day Hall.

LOANS

Loan funds are available to students after they have been in residence for at least one term. Information may be obtained through the Office of Scholarships and Financial Aid, Day Hall, and application may be made through that office.

FLORA ROSE LOAN FUND . . . In 1942 a revolving account for financial aid to students in home economics was established through a gift from Miss Flora Rose, director of the College until 1940. The fund is administered through the Office of Scholarships and Financial Aid, Day Hall.

LAMBDA CHAPTER OF EPSILON SIGMA PHI, national honorary extension fraternity, maintains a small loan fund for students. Other factors being equal, preference is given, but loans are not limited, to applicants who have parents and/or other relatives who are or were members of Epsilon Sigma Phi. Professor C. Arthur Bratton, 442 Warren Hall, is chairman of the loan fund committee.

GRADUATE ASSISTANTSHIPS, FELLOWSHIPS, SCHOLARSHIPS, LOANS

Graduate assistantships, available in each of the departments of the College of Home Economics, offer opportunities for some students to gain experience in college teaching, in preparation of teaching material, or in research, and also to

secure financial aid. General information regarding assistantships and requests for application forms should be addressed to the Secretary of the New York State College of Home Economics, Cornell University. Inquiries about the stipends and duties of specific assistantships may be addressed to the head of the department concerned. Application should be filed by February 1, if possible, and notification will be sent April 1. Students must be accepted in the Graduate School before or concurrently with the award of assistantships and fellowships.

Fellowships and scholarships are available for a limited number of graduate students. Applications are due February 1, and fellowship awards are announced April 1. Full information and application forms are available at the *Office of the Graduate School*, Day Hall. Applications should be returned to that office together with the application for admission.

University Fellowships, both junior and senior, are available to graduate students in home economics in competition with all graduate students in the University. (See *Announcement of the Graduate School* for further information.)

The following fellowships are for graduate students in home economics specifically. Tuition and university fees are deducted in most instances from the stipends quoted.

GENERAL FOODS FUND FELLOWSHIPS . . . Several fellowships for graduate study in the New York State College of Home Economics were established in 1956 by the General Foods Fund. Applicants may major in any field in the College of Home Economics and may register for either the Master's or Doctor's degree. The maximum amount of a fellowship is \$3000 for a doctoral candidate or \$2000 for a master's candidate. Held during 1962-1963 by Suad Wakim Kesler and Marjorie Caldwell.

THE KATHARINE WYCKOFF HARRIS FELLOWSHIP was established in 1956 through a bequest of Miss Katharine Harris, a graduate of the College and for many years the head of the Department of Institution Management. It is available to candidates for advanced degrees who are majoring or minoring in home economics fields. The award is made on the basis of academic record, successful experience in institution management, and potential contribution to the field of dietetics. Preference is given to a qualified candidate whose major interest is in institution management. Total value of the fellowship is \$2586. The fellowship was awarded for the first time in 1957-1958. Awarded for 1962-1963 to Elizabeth Upton and Rita Schindler.

THE MARGARET L. BREW MEMORIAL FELLOWSHIP of \$2586 is available for 1963-1964 for a graduate student majoring in the field of Textiles and Clothing. It represents memorial gifts from Miss Brew's friends and family.

THE FLORA ROSE FELLOWSHIP of \$1086 will be awarded for the first time in 1963-1964. It is available to a candidate for an advanced degree with a major in one of the seven major fields in home economics—Child Development and Family Relationships, Food and Nutrition, Household Economics and Management, Home Economics Education, Institution Management, Textiles and Clothing, and Housing and Design. Doctoral candidates are given preference. The award is based on evidence of exceptional ability to pursue graduate study and on potential contribution in the area of college teaching and/or research. Alumnae are given preference among candidates of equally high qualifications.

The candidate must present Graduate Record or Miller Analogies Test scores in connection with the application for this fellowship. A minimum of two years of successful professional experience in some aspect of home economics is prerequisite.

UNITED STATES PUBLIC HEALTH SERVICE TRAINEESHIPS are available for Ph.D. candidates in child development and family relationships who are preparing for careers in research or in college-level teaching combined with research. A strong background in psychology, sociology, or child development and family relationships is required, together with evidence of superior ability to pursue graduate work. The stipend varies from approximately \$2100 to \$3300. Held in 1962-1963 by Andrew Biemiller and Lynette Kohn.

THE ED GAVIN MEMORIAL HOUSING SCHOLARSHIP is sponsored by the National Association of Home Builders Scholarship Foundation. The sum of \$1000 is made available to "a student. . . pursuing a course of instruction which would lead him into work of value for home-building or allied fields." Applicants must be candidates for either the M.A. or Ph.D. degree in Housing and Design. Held in 1961-1962 by Jeanne Baranak. Not awarded for 1962-1963.

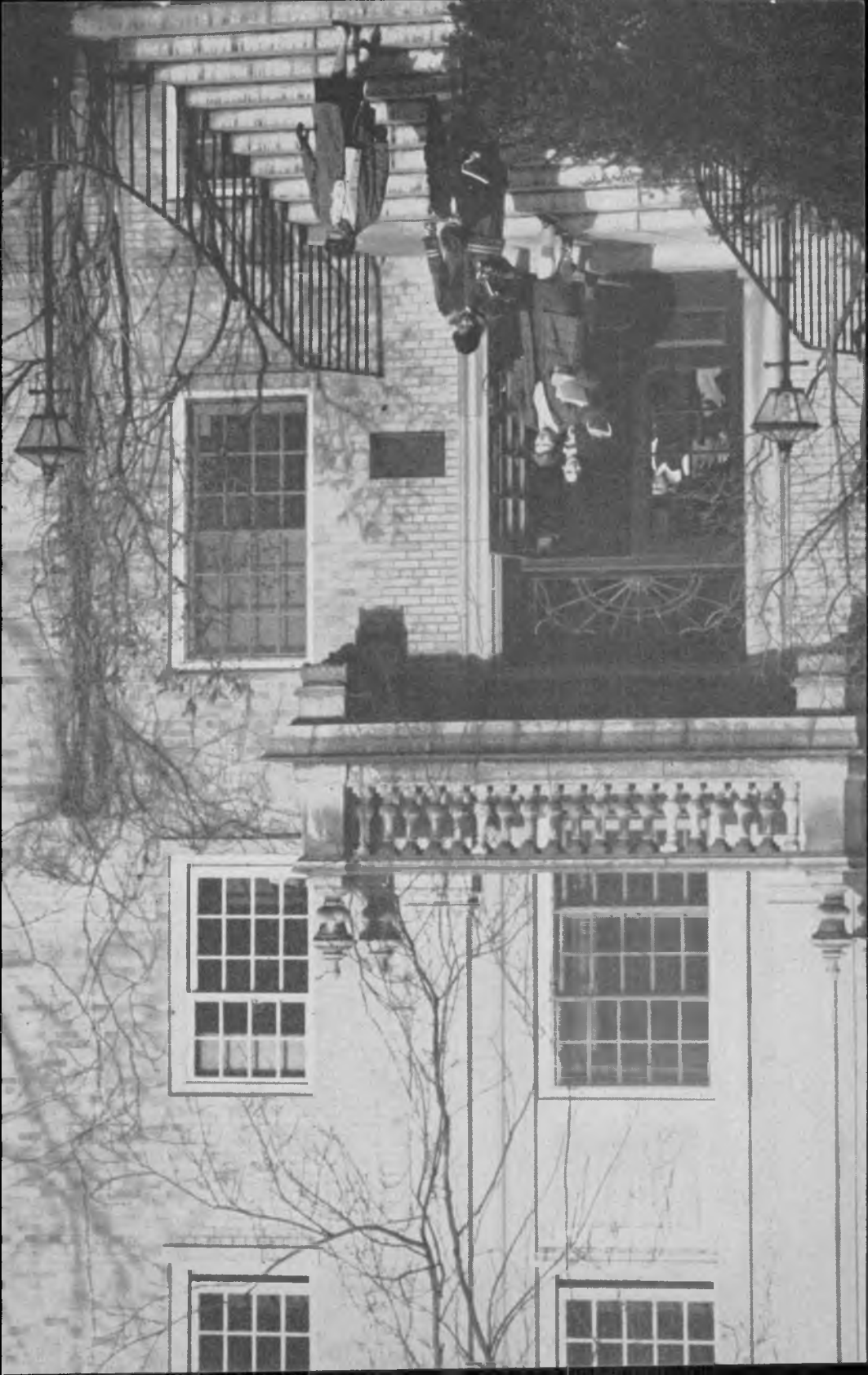
THE HELEN CANON SCHOLARSHIP of approximately \$800 is available to candidates for advanced degrees who are majoring in the fields of household economics and management. The scholarship is named for the former head of the Department of Household Economics and Management and is provided by the interest on an endowment fund, established in her memory in 1958 by her sister, Miss Eva Tolman Canon, and Miss Beulah Blackmore, former head of the Department of Textiles and Clothing, a close friend for many years. A partial scholarship was awarded to Mrs. Marlene Averitt for the summer of 1962.

THE ANNA CORA SMITH SCHOLARSHIP . . . In 1930 two research fellowships were established through the will of Mrs. Anna Cora Smith, widow of Professor Clinton DeWitt Smith, a graduate of the College of Agriculture. One of these was to be awarded to young women for research work in home economics problems. The other was to be the Clinton DeWitt Smith Fellowship in Agriculture.

By the terms of the will the research in home economics was to be "not necessarily under the supervision of teachers of practical Home Economics, but possibly, or even probably, in the study of some economic problem under other professors; as for instance some problem in the chemistry of foods, or some similar research that shall aim to add to Home Economics knowledge and make all its teachings more useful both to the State and to the individual." The selection of candidates is based not only on scholarship and need but on fitness for research work. Although essentially for graduate students, the terms of the bequest left freedom for considering others as well. The scholarship was awarded in 1962-1963 to Barbara Altpeter.

THE RUTH ADA BIRK EASTWOOD SCHOLARSHIP FUND is newly established. No awards have been made as yet from this or the *ETHEL B. WARING FELLOWSHIP FUND*.

THE ESTHER STOCKS LOAN FUND . . . Through the bequest of Mrs. Marion Houghtelin Hart of Winter Park, Florida, this fund was established in 1961 for the use of graduate students in preschool education in the College of Home Economics. Students wishing to use the fund should contact the Office of Scholarships and Financial Aid, Day Hall, or the head of the Department of Child Development and Family Relationships.



ADMISSION TO THE COLLEGE

HOME ECONOMICS is the study of the home and of family life through the arts and sciences manifested in them. The home economist, by Cornell standards, is a woman prepared for satisfying personal and family life, intelligent citizenship, and economic independence. The committee on admissions selects freshman and transfer students who meet the criteria mentioned below.

VISITS TO THE COLLEGE

Members of the committee on admissions are happy to talk with students and their parents about the program of the College and, when possible, to show them the facilities of Martha Van Rensselaer Hall. It is suggested that students write in advance mentioning the time they plan to visit the College so that an appointment with one of the committee members can be arranged. Where possible, visits to the College should be made in months other than February, March, and April.

Appointments when students visit the College do not take the place of the selection interviews which are held in February and March of each year. See pages 42 and 43 for information regarding the selection interviews.

ADMISSION POLICIES

The present admission policies have grown out of the experience of the committee on admissions for this College in selecting students over a period of years. The fact that this is a state-supported college and each year has many more applicants than can be accommodated has determined the policies and practices of admission. The College is obligated to try to select those applicants who seem to give promise of being most able to profit by a home economics education, and who seem likely to make real returns to the state both through their vocational contribution and through their influence and leadership in the community.

As a state-supported institution, the College is limited in the number of out-of-state students who can be accepted—15 per cent of the entering class. There are no other quotas used by the committee on admissions in selecting students. No county, city, or school quotas exist, nor is preference given on the basis of early application or previous family connection with the University.

Since this is a competitive, selective admissions situation, it is a policy of this College that decisions about admissions be made by a committee of the College's faculty rather than by a single individual.

COMMITTEE ON ADMISSIONS

The committee on admissions consists of the Coordinator of Resident Instruction and the class counselors. The class counselors are faculty members with training in psychology who serve as advisers and work with the students on personal, educational, and vocational matters during the four years they are in

college. This provides an unusual opportunity for the majority of the members of the admissions committee to be aware of how students perform after being selected in accordance with the approved selection criteria.

SELECTION CRITERIA

Minimum academic standards have been established to ensure, insofar as possible, that accepted students will be able to meet the scholastic standards of the University. Since the College has as its goal, in the selection of applicants, a student body composed of persons of well balanced interests and abilities, the applicants who present the best all-round total records are admitted and not those who present high academic records only. The application of every student who is interested in the program of the College and who can meet the minimum standards described on page 43 is welcomed for this reason.

In addition to academic qualifications, the committee attempts to determine the student's breadth and continuity of interests, characteristics of personality such as self-reliance and industry, and the basis of interest in home economics. An effort is made to determine whether it seems likely that the applicant will be successful in a large university where she is to be thrown on her own resources, where she must make her own judgments, and where she must establish herself as a member of a large group.

The committee considers the following sources of information about the candidate: the academic record submitted by her school, results of test scores, statements from high school or college staff members, reports of extracurricular activities, special interests and work experience, personal recommendations, and the interview. The personal interview, which each applicant has with several members of the committee on admissions in February or March, also provides an opportunity for the candidate to ask questions regarding the program of the College and its appropriateness for her and to learn other facts pertinent to applications. The committee on admissions advises each applicant to investigate other educational opportunities and to make alternative plans to which she may turn in case she is not accepted by this College. This suggestion is offered because the number of applicants who meet the minimum scholastic requirements for entrance greatly exceeds the number that can be admitted.

APPLICATION PROCEDURE FOR FRESHMAN AND ADVANCED-STANDING APPLICANTS

Students who have taken any courses in college after graduation from high school must apply for admission with advanced standing.

Required Examinations

Freshman and advanced-standing applicants are required to submit scores from the Scholastic Aptitude Test of the College Entrance Examination Board, Box 592, Princeton, New Jersey. Students are advised to take the test in December of the senior year, but the committee on admissions accepts scores from other testing periods, including those taken during the junior year in high school.

August

Application forms may be obtained from the Office of Admissions, Day Hall, Cornell University, Ithaca, N. Y.

January 1

Although priority of application in no way affects the decisions of the committee on admissions, high school seniors are urged to make application by January 1 of the senior year in order to facilitate the gathering of application data for the use of the committee.

March 1

Closing date for applying for admission to this College. The application form must be received on or before March 1. Freshman and advanced-standing students are admitted in September only.

February-March

During these months the committee on admissions interviews applicants for admission. Interviews are held in Albany, Buffalo, Ithaca, and New York City. Applicants are notified in February and early March of the dates scheduled in each city, and they may indicate where they wish to be interviewed. *See information on page 41 regarding visits to the College.*

April

All applicants are notified in April of acceptance or rejection.

MINIMUM SCHOLASTIC REQUIREMENTS FOR FRESHMAN APPLICANTS

In order to be entitled to consideration for admission, applicants must meet these requirements:

Achievement in *two* of the following three:

- a. A high school average of at least 85 at the end of the seventh semester.
- b. A scholastic rating in the upper two-fifths of the high school graduating class at the end of the seventh semester.
- c. A score of 500 or above on the verbal section of the Scholastic Aptitude Test of the College Entrance Examination Board.

ENTRANCE SUBJECTS AND UNITS

Because students in this College normally carry five or six subjects each semester, it is required that students carry enough courses in high school to offer eighteen college entrance units; at least sixteen of these units should be in typical college preparatory courses.

Because all students in the College of Home Economics must take college courses in the biological and physical sciences, it is required that one unit of biology, three units of mathematics, and one unit of either chemistry or physics be taken in high school.

In order for any course to count as an entrance unit or part thereof, the grade received by the applicant in that course must equal or exceed the "college recommending grade" for the high school in which the subject was taken. The subjects that may be offered to satisfy entrance requirements and the number of entrance units that may be credited in each subject are listed below. A unit represents a year of study in a given subject in a secondary school. Ordinarily, it takes 120 hours of classroom work to satisfy the requirements of a year's study—that is, a minimum of 160 class periods if each period is forty-five

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minutes long. Two hours of laboratory are considered equivalent to one hour of classroom work. In drawing and industrial arts, 240 hours are required to earn one unit and 120 hours to earn one half-unit.

ENGLISH 4 YEARS (required of all entering students).....4

FOREIGN LANGUAGES (modern and ancient).....1, 2, 3, or 4

(It is desirable to present at least two years of a foreign language for entrance credit, although credit will be granted for a single year of study in not more than two languages.)

MATHEMATICS

Elementary Algebra 1 Plane Geometry 1

Intermediate Algebra 1 Solid Geometry $\frac{1}{2}$

Advanced Algebra $\frac{1}{2}$ Plane Trigonometry $\frac{1}{2}$

Or (for schools following the recommendations of the College Board Commission on Mathematics):

College Preparatory Mathematics.....1, 2, 3, or 4

SCIENCES

Biology 1 General Science 1

Botany $\frac{1}{2}$ -1 Physical Geography $\frac{1}{2}$ -1

Chemistry 1 Physics 1

Earth Science 1 Zoology $\frac{1}{2}$ -1

(If a unit in biology is offered, a half-unit in botany and a half-unit in zoology may not also be counted.)

SOCIAL STUDIES, including history (each course)..... $\frac{1}{2}$ -1

VOCATIONAL SUBJECTS

Agriculture $\frac{1}{2}$ -7 Home Economics $\frac{1}{2}$ -6

Bookkeeping $\frac{1}{2}$ -1 Industrial Arts $\frac{1}{2}$ -1

Drawing $\frac{1}{2}$ -1

ELECTIVES—any high school subject or subjects not already used and acceptable to the University $\frac{1}{2}$ -2

COLLEGE CREDIT FOR CEEB ADVANCED PLACEMENT EXAMINATIONS

Freshmen in the College of Home Economics may receive advanced placement and credit toward the degree of Bachelor of Science by taking the Advanced Placement Examinations administered by the College Entrance Examination Board provided they score at the median or above on the test, and provided their papers, when read by the staff of the Cornell University departments concerned, are considered to show mastery of the subject matter covered in the equivalent course offered at the University.

UNIVERSITY HEALTH REQUIREMENTS

Each student upon entering the University is expected to assume personal responsibility for the health requirements adopted by the Board of Trustees of Cornell University. Details of these requirements will be found in the *Announcement of General Information*, which may be obtained from the Visitor Information Center, Day Hall, or by writing to Cornell University Announcements, Ithaca, New York.

ADMISSION WITH ADVANCED STANDING

In order to obtain the degree of Bachelor of Science, the student must meet the requirements for this degree as stated on pages 11-15. Advanced-standing

students must complete at least 60 credits at Cornell, including a minimum of 20 of the required credits in home economics subjects. Credits earned in the Cornell Summer School may be counted.

The records of students admitted to the College of Home Economics from other colleges in Cornell University or from other institutions of collegiate rank may be submitted for credit toward advanced standing. Credits submitted from institutions other than Cornell will be accepted for transfer only if grades are equivalent to or above the Cornell 70 (usually interpreted as C, or 70 where the passing grade is 60), and if the courses taken elsewhere can be appropriately fitted into Cornell's requirements for the degree of Bachelor of Science (see pages 11-15). Transfer is seldom made from unaccredited institutions. If made, it is conditional and tentative until the end of the first year of residence. Applicants for admission should direct questions concerning the granting of credit to the chairman of the Committee on Admissions in the College of Home Economics.

Students may find it necessary to spend more than the normal length of time to obtain the degree in order to meet these requirements and those of their field of professional or preprofessional preparation. The amount of time varies with the extent and nature of the student's academic background at the time of admission and with her field of special interest.

ADMISSION OF STUDENTS FROM OUTSIDE THE UNITED STATES

Because of the difficulty of evaluating course work taken at educational institutions outside the United States of America, no commitment can be made at the time a student applies for admission regarding the amount of credit a student might receive toward her degree from this College. This assessment of previous work taken can be made only after the student is enrolled in the College, when she is available personally to discuss the nature of her previous work and when the College can arrive at some judgment of her background on the basis of her performance in courses taken here. If students from other countries hope to receive college credit for work taken elsewhere, we suggest that they bring statements (in English) from their previous professors indicating the scope of the subject matter taken, and a description of how the course was conducted, together with that professor's evaluation of the student's grasp of the subject matter taken.

Applicants for admission from foreign countries expecting to work for the Bachelor's degree usually are accepted as "special" students (see below), until there has been opportunity to determine how well they can handle the academic program of the College.

ADMISSION WITH SPECIAL STANDING

"Special standing" means that the student so classified has not been accepted as a regular student working for a Bachelor's degree or for an advanced degree (Master's or Doctor's).

Special students must take at least two-thirds of their work in state divisions of Cornell University (Home Economics, Agriculture, and Industrial and Labor Relations) each semester they are registered in the College. They are expected to maintain the same academic standards as undergraduates (see page 50). Work

taken while classified as a special student may be counted toward the requirements of the Bachelor's degree but may *not* be counted toward the requirements of advanced degrees. Applicants who wish eventually to work for a Master's or for a Doctor's degree but who cannot be accepted without qualification at the time they apply, should investigate registration in the classification of "noncandidate" in the Graduate School.

Application should be made to the University Office of Admissions for entrance with special standing in the College of Home Economics. The applicant should also write to the chairman of the Admissions Committee of the College indicating the type of work she wishes to take as a special student.

Special students pay the same tuition and fees as those paid by regular students in the University (see pages 26-28).

Special students who are teaching or otherwise employed in the Ithaca community, and who are registered for less than twelve credit hours, may have tuition adjusted by the Treasurer.

ADMISSION TO THE GRADUATE SCHOOL

INQUIRIES about admission and requests for specific opportunities for advanced study should be addressed to *The Graduate School*, Day Hall. (See also Admission with Special Standing, page 45). Names of the members of the faculty of the College of Home Economics who are also members of the faculty of the Graduate School will be found in the *Announcement of the Graduate School*.

THE GRADUATE PROGRAM

All graduate students who take their major work in some area of home economics are registered in the Graduate School and receive their advanced degrees from the Graduate School. The fields available for graduate study in the area of home economics are: Child Development and Family Relationships, Food and Nutrition, Household Economics and Management, Housing and Design, Home Economics Education, Institution Management, and Textiles and Clothing. A minor in General Home Economics is also available to Master's degree candidates but not to doctoral candidates.

Since students registered in the Graduate School of Cornell University may use the facilities in any of the colleges, graduate programs have great flexibility. Students majoring in any field of home economics frequently carry minors in related fields outside the College of Home Economics. Students majoring in other areas may carry minors in the fields within home economics. Course descriptions will be found on pages 53 to 84 of this Announcement and in Announcements of other units of the University.

Research is a significant part of the graduate program. Staff members in each field carry on a continuous program of experimentation and study. Students work under the supervision of faculty members to learn general research methods and to gain experience in specific techniques which are related to their fields of study. A student may share in one of the several college research studies that are in progress as departmental or interdepartmental projects. Alternatively, he may undertake individual research on some other project in which he has a

particular interest. The programs of the Cornell University Center for Housing and Environmental Research and of the Cornell University Social Science Research Center offer opportunity for University-wide cooperation in the area of research.

ADVANCED DEGREES

MASTERS' DEGREES

Graduate study leading to a Master's degree is offered in the fields in home economics mentioned above. A student may select either a major or a minor in any of these fields. Home economics education is also an approved subject for study leading to the professional degree of Master of Education.

DOCTORS' DEGREES

The approved major subjects of study leading to the Ph.D. degree are child development and family relationships, household economics and management, food, food and nutrition, nutrition, socio-economic aspects of housing, and home economics education. Home economics education is also an approved subject for study leading to the professional degree of Doctor of Education.

FOR FULL INFORMATION regarding the M.S. and Ph.D. degrees, see the *Announcement of the Graduate School*; regarding professional degrees in education (M.Ed. and Ed.D.), see the *Announcement of the School of Education* as well as the *Announcement of the Graduate School*. These Announcements may be obtained by writing to the Announcements Office, Day Hall, Cornell University, Ithaca, New York.

PROCEDURES AND SPECIAL REGULATIONS

PREREGISTRATION

DURING EACH semester a period designated *preregistration* is used by the students to plan their programs in consultation with their counselors. The purpose of the preregistration period is to give time for thoughtful planning of programs; therefore, it is assumed that the student will adhere to this program unless unusual circumstances make changes necessary.

REGISTRATION

Registration permits for the fall term are sent to each student from the Office of the Registrar before the beginning of the term. With these are directions for registration in the University. If a student has not received registration cards by registration day, she should go in person to the Office of the Registrar to procure them. Instructions for registration in the College are issued by the Secretary of the College.

Registration cards for the spring term will be given out at a time and place specified by the Registrar. Notice of the time and place will be posted in advance.

Special students follow the same procedure for registration as regular students.

A student who is absent from registration is liable for the late-registration fee. (See page 27 for this and other fines for late registration and preregistration.)

CHANGES IN COURSE REGISTRATION

A student cannot receive credit for a course unless she has registered for it in the College Secretary's Office. If she attends a class without formal registration, she receives no credit for the course. Any student whose name continues on a class list because of failure to file a change-of-registration slip will receive a failing grade. Cancellation or addition of any course must be recorded in the Secretary's Office. Procedures for change of registration are as follows:

A student must register according to the schedule she planned at the preregistration period and which she receives on registration day. During the first *ten* days of classes in a semester a student who finds it necessary to drop a course or to add a course must obtain approval and a change-of-registration slip from the class counselor. This slip must be signed by the instructor in each course being added or dropped and must be handed in to the Assistant Secretary of the College, Room 146, before the end of the first ten days of classes. The final date for changes mentioned above is October 5 in the fall term, 1963, and February 20 in the spring term, 1964.

For a two-week period following the first ten days of classes in a semester (from October 7 through October 19 in the fall term, 1963, and from February 21 through March 5 in the spring term, 1964) changes in registration may be made *only* through petition after consultation with the class counselor. A petition blank *and* a change-of-registration slip may be obtained from the class counselor and should be returned to her for referral to the faculty committee on petitions and academic standing. The student should continue to follow the program for which she is registered until officially notified by the committee on petitions and academic standing that she has permission to change her registration.

Starting on October 21 in the fall term, 1963, and on March 6 in the spring term, 1964, changes in academic program *cannot* be made except for medical reasons. Beginning with the two dates above a change in course registration for an emergency reason such as extended illness must have the approval of the committee on petitions and academic standing. The student should consult the class counselor for the appropriate procedure to follow.

USE OF PETITIONS

The following examples are given in order that students may be clear on appropriate uses to be made of petitions:

(1) When it is necessary to change the schedule during the two-week period following the first ten days of classes in a semester. (See section on Changes in Course Registration above.)

(2) When a student wishes to carry a schedule of more than 18 hours, exclusive of physical education. The student should have a minimum average of 80 for the preceding term if filing such a petition.

(3) When it is necessary to carry a schedule of less than 12 hours.

(4) When it is proposed to meet the graduation requirements in a special way, including permission to study *in absentia*.

When a student's petition is denied, she has the privilege of requesting an opportunity to appear before the committee to present her case and appeal the decision.

FINES

A student registering in the University after the close of registration day shall first pay a fee of \$5. Permission to register late must be obtained from the Assistant Secretary of the College.

Students failing to preregister during the announced periods will not be allowed to register until after the term commences and therefore will be held to pay a \$2 fine to file the study card after registration day.

These assessments may be waived only if failure to comply with the regulation was due to reasons beyond the student's control. Application for such a waiver should be made to the Assistant Secretary of the College.

A student who fails to follow the above procedure in changing registration, and who has initiated a change in schedule during the week of changes but failed to get it in on time, and whose petition to correct this error is granted, will be liable for a fee of \$3. This assessment may be waived only if, in the judgment of the committee on petitions and academic standing, failure to comply with the regulation was due to reasons beyond the student's control.

To remove the grade of *incomplete* and receive credit for the course, a student must obtain a permit from the Assistant Secretary of the College and must pay a fee of \$2 unless waiver of the fee is granted by that officer.

Laboratory and library. The student is entitled to the *normal* amount of materials required for a course and an allowance for breakage. No additional charge should be incurred by a student who is careful in the use of supplies and equipment. Costs incurred by a student in excess of these allowances will be charged against her by the department.

Fines are assessed for failures to comply with the rules relating to the use of library books. If fines are not paid promptly at the library, payment is enforced by the Treasurer of the University.

GRADES

Grades in the University are reported to the Registrar on the numerical scale of 0 to 100, 60 being the lowest passing grade.*

The grade of *incomplete* (*Inc.*) is assigned if the work of a course is not completed but, in the judgment of the instructor, the student has good reason for the deficiency and has shown evidence that she can complete the work of the course satisfactorily.

A grade of *incomplete* must be removed before the expiration of two terms and a summer session, otherwise the grade automatically becomes a failure and is averaged in the student's record as 50.

At the end of the fall term a student may call for a statement of her grades at a place to be announced by the Registrar. Students desiring a copy of final

* By action of the faculty of the College January 10, 1963, only the following grades are used in evaluating the work of undergraduates, beginning with the spring semester of 1963: 100, 95, 90, 85, 80, 75, 70, 65, 60, 50, 40, *Inc.* (incomplete), and *Cnc.* (cancelled).

spring-term grades must leave a stamped, self-addressed envelope, indicating college or school in lower left corner, at the Registrar's Office, 240 Day Hall. Otherwise a copy may be obtained at that office upon the student's return to campus in the fall.

The official record of the student's credits is in the Office of the University Registrar, to whom requests for transcripts of record bearing the University seal must be made.

ACADEMIC STANDING

The committee on petitions and academic standing reviews all cases of academic fraud which are referred to it; such cases would be those involving students registered in this College, regardless of the division of the University in which the delinquency occurred. The faculty member concerned retains the right, after consultation with the committee, to determine the student's final grade in the course concerned. The faculty member indicates to the chairman of the committee on petitions and academic standing, whether or not he wants the committee to handle the case.

The committee on petitions and academic standing reviews the records of students whose academic work is considered to be unsatisfactory. A cumulative average of 70 per cent is required for graduation. In general, a student whose cumulative average is below 70 per cent, or whose average for a given term is below 70 per cent, is considered as not making satisfactory progress. However, there may be occasions when a student's academic record is judged to be unsatisfactory even though she has an average of 70 per cent. The record of any student who fails to complete or to pass a total of 12 hours in any term will be reviewed by the committee on petitions and academic standing unless the committee has already granted permission to carry less than 12 hours (see pages 18, 48). In the latter case the record will be reviewed if the student fails to complete any part of her program.

The kinds of disciplinary action imposed by the committee on petitions and academic standing for academic fraud or unsatisfactory work include warning, placing on probation or strict probation for a term, suspending the student for a specified length of time, or asking her to leave the University.

When any one of these actions is taken, the student may request an opportunity to appear before the committee to present her case and appeal the decision. Parents are notified of committee decisions regarding academic standing.

Unless she is a resident of Ithaca, a student whose University attendance has been officially discontinued is expected to leave town within five days of the time of this discontinuance.

At the middle of the term during which a student is on strict probation she is requested to appear before the faculty committee and present her current academic record.

Students who are on probation or strict probation are expected to abide by the following regulations adopted by the University faculty, February 12, 1947:

"No student who is on probation shall represent the University on any student organization or individually, either at home or abroad, nor shall he participate in the performance or management of any play, nor shall he hold the position of manager or assistant manager of any student activity, or any editorial position or any class office, nor shall he compete for any of the positions

mentioned, nor shall he have membership on any athletic team or practice with such a team or have participating membership in any student organization. (The foregoing statement is not intended to apply to the intramural sports program.) If a student is placed on probation or strict probation, he is required to send immediate written notice of this fact to any and all University or student organizations with which he may be connected as officer, competitor, player, or worker of any sort whatsoever, and he shall inform such organizations that his connection with them has become non-participating.

"The term 'non-participating' is here interpreted to mean that the student may attend the meetings of and vote in any organization of which he is a permanent member but that he may not undertake any position or job in any University or student organization which consumes any of this time."

ATTENDANCE AND ABSENCES

Regular attendance at lectures, recitations, and laboratory periods is expected throughout each term, beginning with the first day of instruction. In all cases of absence from class, the student herself is responsible for explaining the reason for her absence directly to the instructor concerned. The instructor will decide whether or not the work may be made up. Any student who has been ill in the Infirmary should keep the slip issued to her by the Infirmary when she is discharged and present this to her instructors when explaining her absence.

The excessive absence of any student will be reported to the class counselor concerned, in order that the counselor may investigate and help the student make whatever adjustment seems necessary.

A student whose record shows persistent absence may at any time be dismissed from the College on recommendation of the petitions committee. A student not in attendance on University duties and not a resident of Ithaca must leave town within five days after her University attendance has been officially discontinued.

EXAMINATIONS

The schedule of term examinations is prepared in the Office of the University Registrar. There is to be no deviation from this except to avoid conflicts.

Exemptions from examinations may be granted to superior students at the discretion of the instructor concerned.

PROCEDURES FOR LEAVE OF ABSENCE OR WITHDRAWAL

If a student finds it necessary to withdraw from the University, application should be made at the Office of the Secretary of the College for a leave of absence or a withdrawal.

A leave of absence is granted for one semester only. At the request of the student it may be extended for a second semester. If the student does not indicate her intention to return before the beginning of the third term her record will be closed by a withdrawal.

If the student wishes to re-enter at a later date, after having made a withdrawal, she must reapply through the College's Committee on Admissions. Her application should be made, if possible, at least two months in advance of the date she wishes to return.

STUDY IN ABSENTIA

By action of the faculty of the College (January, 1957) all study taken away from Cornell University after matriculation in the College of Home Economics and applied as credit toward a Cornell degree will be considered as study *in absentia*. Such study may not exceed 15 credit hours. Work taken at other institutions in regular session, summer session, or while on leave of absence will be counted in the 15 hours regardless of whether taken in freshman, sophomore, junior, or senior year. A fee of \$12.50 will be charged for study *in absentia* during the fall or spring semesters, but not for such study during summer session unless the summer registration is for more than eight credits. Study in the Cornell Summer Session is not considered as *in absentia*.

The regulations concerning study *in absentia* are the same for transfers as for other students, except that students who enter as transfers from other institutions will be required to complete at least 60 credits at Cornell, of which at least 20 must be in home economics (see page 45).

Permission for study *in absentia* is granted by the faculty committee on petitions and academic standing. Request may be made on forms obtainable from the class counselor. To receive consideration a student must be in good academic standing.

A student who registers for study *in absentia* must plan her program so as to meet all graduation requirements in Groups I, II, and III on pages 12-13 or all requirements in Group I on page 15 at Cornell University, except as approved for advanced-standing credit at the time of matriculation. Credit taken *in absentia* will be transferred only when grades for such work are equivalent to the Cornell 70 (usually interpreted as C, or 70 where the passing grade is 60), and provided it does not duplicate work taken at Cornell. There are special provisions concerning the transfer of credit for work in modern languages taken at institutions other than Cornell. A student should consult her counselor well in advance of such proposed study to be sure she understands these provisions. The proposed program must be approved by the student's counselor, and the institution where it is to be taken must be approved by the Secretary of the College in regard to accreditation. Such approval is sent from the Secretary's Office to the student in writing.

A student who is following a professional curriculum in which certain courses are required (for example, A.D.A., or Teacher Certification) must file her request for acceptance of credit not only with the faculty committee on petitions and academic standing, but also with the curriculum committee concerned, if she wishes credits earned through study *in absentia* applied toward any of the specific professional requirements.

A holder of a Regents College Scholarship or a Scholarship for Children of Deceased or Disabled Veterans may claim it for the term she is registered *in absentia* from Cornell if she is registered in an accredited college in the State of New York for a minimum of fifteen credit hours acceptable to the College of Home Economics as a part of the 120 hours required for graduation.

SUMMER STUDY CREDIT

Summer study at institutions other than Cornell will be considered study *in absentia*, and credits transferred will be counted in the fifteen allowed for study elsewhere. (See regulations governing study *in absentia*.)

DESCRIPTION OF COURSES

TO OBTAIN for its students a broad background of educational experience, the College of Home Economics supplements the courses offered in its various divisions of instruction with those given in other colleges of the University. Students should acquaint themselves with the catalog descriptions of courses in these related departments.

Courses in home economics are numbered as follows:

Courses below 300: primarily for underclassmen.

Courses in the 100 group: without prerequisite.

Courses in the 200 group: requiring sophomore standing or a course prerequisite.

Courses in the 300 group: primarily for juniors, seniors, and graduates.

Courses in the 400 group: for graduates.

Unless otherwise noted, all courses are given in Martha Van Rensselaer Hall.

Courses starred (*) represent the required home economics core (see pages 13, 15).

COUNSELING SERVICE

JEAN FAILING, *Chairman*; NANCY HODDICK, THERESA HUMPHREYVILLE, BARBARA MORSE, ESTHER STOCKS, CONSTANCE WALLER, MRS. DORIS WOOD.

100. EDUCATIONAL PERSPECTIVES. Fall.

Credit one hour. Required of all first-term freshmen. Miss HODDICK and department staff.

T 9 Sec. 1, Amphitheatre; Sec. 2, Room 121; Sec. 3, Room 124; Sec. 4, Room 117. Designed to help the student understand the variety of educational experiences available within the University, and to help her acquire information and points of view that will facilitate the making of decisions relevant to her educational, vocational, and personal life. Discussion of personal, social, and study problems of college students, the making of educational and program plans, and the investigation of some of the vocational opportunities in home economics.

300. SPECIAL PROBLEMS. Fall and spring.

Credit and hours to be arranged. Department staff.

For independent work on a problem not

dealt with by C.S. 100; or for special arrangement of course work necessitated because of previous training. Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with pre-registration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff.

For graduate students recommended by their chairmen and approved by the head of the department and the member of the staff in charge of the problem for independent, advanced work.

407. THESIS AND RESEARCH. Fall and spring. Credit and hours to be arranged. Misses FAILING and HUMPHREYVILLE.

CHILD DEVELOPMENT AND FAMILY RELATIONSHIPS

ALFRED L. BALDWIN, *Head*; PEGGY L. AZBILL, MRS. HELEN M. BAYER, W. LAMBERT BRITAIN, URIE BRONFENBRENNER, ROBERT H. DALTON, EDWARD C. DEVEREUX, JR., HAROLD FELDMAN, MARY FORD, JOHN HARDING, JOHN B. HUDSON, FRED KUNZ, HARRY LEVIN, MRS. CLARA MELVILLE, JOSEPH MEYEROWITZ, EUGENE PEISNER, KATHERINE M. REEVES, HENRY RICCIUTI, GEORGE SUCI, MRS. MIRIAM TAIETZ, MRS. JEAN TSUI.

The study of child development and family relationships is closely related to the biological and social sciences. To understand human behavior it is necessary to understand the physical and

psychological structure of the person; it is also necessary to understand his economic, social, and other activities in the total social framework of a given culture. Since the development of the person is especially influenced by the intimate relationships in the family, the Department of Child Development and Family Relationships concentrates upon the study of family life.

In the laboratories for the study of child development and family relationships, opportunities are provided to observe and work with children from two years of age through adolescence. In some of the laboratory groups parents are also in attendance. Arrangements may be made for visiting in the homes of certain of these families. In addition, experience is provided in the city nursery schools, the play groups in the settlement houses, and other organized groups in the community.

The following courses constitute a *major in Child Development and Family Relationships*:

C.D. & F.R. 115	The Development of Human Behavior	3 hrs.
C.D. & F.R. 162	Family Relationships	3 hrs.

In addition to the six-hour core, the student must take a minimum of eleven hours distributed as follows:

1. C.D. & F.R. 210	Child Guidance	} 2-3 hrs.
or		
C.D. & F.R. 211	Observation of Children	
or		} 3 hrs.
C.D. & F.R. 230	Experience with Children	
2. C.D. & F.R. 360	Psychodynamics of Personality	
3. C.D. & F.R. 315	Language Development	} 3 hrs.
or		
C.D. & F.R. 374	Behavior and Development in Infancy	
4. C.D. & F.R. 362	The American Family	} 3-4 hrs.
or		
Sociology 343	The Family	
		17-19 hrs.

Although the department's Honors program does not lead to a degree with Honors, it does provide an opportunity for qualified and interested students to pursue advanced study in an independent way.

Students are first admitted to the Honors program in the middle of their sophomore year. During the spring semester of the sophomore year and the fall semester of the junior year they should supplement each of two courses in C.D. & F.R. with one hour of special topics (C.D. & F.R. 300) by arrangement with the instructor. The purpose of such additional projects is to deepen and broaden the students' educational experience in each course.

In the middle of the junior year final selection of the Honors program—by both students and staff—takes place. During the spring semester of the junior year the student takes the Junior Honors Seminar. Then during her senior year the student writes an Honors thesis under the direction of some staff member, enrolling for appropriate credit in C.D. & F.R. 300, Special Problems.

Courses in other departments of the University that are related to the work in child development and family relationships are in *psychology, education, anthropology, sociology, and zoology*.

***115. THE DEVELOPMENT OF HUMAN BEHAVIOR.** Fall. Credit three hours. Mr. Suct.

T Th S 10. Room 45. Warren.

The aim is to contribute to the beginning student's knowledge and understanding of human beings through a study of their development from infancy to adulthood. Attention is focused on the role of biological factors, interpersonal relationships, social structure, and cultural values in changing behavior and shaping the individual. Special emphasis is given to the practical and social implications of existing knowledge.

This course, in addition to being part of the

core requirement in Child Development and Family Relationships, is one of three inter-departmental courses dealing with the general topic of the "Nature of Man" from the perspectives of the behavioral and biological sciences. The other courses in the group which are open to but not required of students in this college are Zoology 201 and Anthropology 312. The courses may be taken singly or in any order.

141. INTRODUCTION TO EXPRESSIVE MATERIALS. Fall and spring. Credit three hours. Limited to 16 students. Mr. Brittain. T Th 2-4. Room NB-19.

Designed to explore the means and materials suitable for creative expression throughout the total age range. Students are expected to acquire competence in evaluating and utilizing various media, and understanding of the creative process as seen in the various developmental stages. Experimentation in paint, clay, chalk, crayon, paper, wire, plaster, wood, and other materials.

150. CHILDREN'S LITERATURE. Spring. Credit three hours. Miss REEVES.
M W F 2. Room 117.

Literature as a resource in the child's living. The relation of children's literature to world literature. Traditional and modern forms. Illustration in children's books.

The student is expected to read widely in the literature for children two to twelve years of age, to read historical and critical material in the field, and to work intensively on a problem of her own choosing.

***162. THE FAMILY AND SOCIETY.** Spring. Credit three hours. —.

T Th S 10. Room 45. Warren. The class will meet as a whole on Tuesday and Thursday. The third meeting will be either a whole group meeting on Saturday, or there will be small group discussions. The student is to have one of the following hours free for the discussion period: F 10; S 10 or 11.

Intended to provide a general introduction to the sociological study of the family, with particular reference to the relationships between the family and society and between the family and its individual members. Special emphasis is placed upon the role of the family in child development. Whereas the major focus is upon the family in contemporary America, extensive use is also made of cross-cultural and comparative materials.

210. CHILD GUIDANCE. Fall. Credit three hours. Prerequisite, C.D. & F.R. 115 or equivalent. Mr. HARDING.

M W F 2. Room G-62. One of the following hours free for weekly discussion group: T 3 or W 3 (each section is limited to 16 students); one morning hour free for observation in the nursery school; and several Fridays 12-3:30 so that a home visit may be arranged in one of these.

The emphasis is on normal adult-child interaction in the home, nursery school, and elementary school. Some attention is given to guidance services in public schools, and to the work of child guidance clinics.

211. OBSERVATION OF CHILDREN. Spring. Credit two hours. Prerequisite, C.D. & F.R. 115. Open to sophomores and juniors. Limited to 25 students. Mrs. MELVILLE.

Discussion, Th 2-4. Room 124. Two hours of observation a week throughout the term in the Cornell Nursery School, one at 10, and one at 9 or 11.

The primary purpose of this course is to study behavior of preschool children (individually and in groups) in the light of current substantive knowledge in child development. The focus will be the child in relation to a variety of influences in his environment—adults, peers, materials, etc. In order to acquaint undergraduates with the variety of observational techniques used in research with children, several of these methods will be used in the collection of data on the children.

225. EXCEPTIONAL CHILDREN IN THE FAMILY. Spring. Credit three hours. Prerequisite, C.D. & F.R. 115 or equivalent. Miss FORD.

M W F 10. Room 117.

Behavior and development of gifted, retarded, and physically handicapped children, and family attitudes and adjustments in relation to them; community resources which supplement the family in providing for exceptional children. The primary emphasis is on the exceptional child in relation to his own family and peer group.

226. BEHAVIOR PROBLEMS IN CHILDHOOD. Fall. Credit three hours. Prerequisite, C.D. & F.R. 115 or equivalent. Miss FORD.

M W F 10. Room 117.

The nature and extent of problem behavior in normal, emotionally disturbed, and psychotic children; psychological and social factors associated with deviant emotional and social behavior; mental health concepts and programs of identification and treatment of emotionally disturbed children.

230. EXPERIENCE WITH CHILDREN. Fall and spring. Credit three hours. Primarily for sophomores. Recommendation of adviser and instructor's signature required at preregistration. Miss REEVES.

Discussion, T 2-4. Room 124. Laboratory periods totaling 70 clock hours arranged individually. The student must have one morning (other than Saturday) and one afternoon free for participation assignment. Directed experience with young children in nursery schools and organized groups in the community. Observation, reading, reports.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Department staff.

For students recommended by counselors and approved by the head of the department and

the instructor in charge for independent, advanced work not otherwise provided in the department; or for special arrangement of course work necessitated because of previous training. One facility for special problems is the creative arts laboratory. Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

- 301. THEORIES OF CHILD DEVELOPMENT.** Spring. Credit three hours. Open to seniors and graduate students; open to juniors by permission of the instructor. Mr. BALDWIN.

T Th 2-3:30. Room 117.

A survey of the major theories of child development and the development of personality. Includes discussions of the major empirical findings upon which these theoretical positions are based.

Designed for advanced undergraduates and graduate students who have a substantial background in the empirical facts of child development.

- 302. HEALTH OF THE FAMILY.** Fall and spring. Offered twice each semester. Credit two hours. Open to juniors, seniors, and graduate students. Mrs. TAJETZ.

T Th 2-4. M.V.R. Annex.

The promotion of health and prevention of illness in the family; causes and symptoms

of illness, care of the sick or injured in the home, and major health problems and community responsibilities are discussed. A unit is also devoted to meeting the needs of the sick or handicapped child.

Satisfies the requirements for home nursing leading to certification for teaching at the secondary school level.

- 303. HISTORY AND PHILOSOPHY OF CHILDHOOD EDUCATION.** Fall. Credit three hours. Miss REEVES.

M W F 10. Room 121.

The educational position of the young child in twentieth-century America; the views of social philosophers, notably Rousseau, Pestalozzi, and Froebel, concerning the problems of early childhood; family education in America out of which evolved the kindergarten and nursery school; folk movements emphasizing the significance of the child, such as the child study movement, the child health and hygiene movement, and the parent education movement. Observations in kindergartens and early grades in the city schools.

- 315. LANGUAGE DEVELOPMENT.** Fall. Credit three hours. Prerequisite, C.D. & F.R. 115 or equivalent. Mr. LEVIN.

T Th 1:40-3. Room 121.

The development of language during infancy and early childhood will be considered. The topics to be covered include theories of acquisition of language, the learning of sounds, grammar, meanings, and pathologies which involve language.

A group in the nursery school gives its own interpretation of a story. Graduate and undergraduate students observe and assist.



330. PARTICIPATION IN THE NURSERY SCHOOL. Fall and spring. Credit three hours. Number of students limited. Permission of the instructor required. Prerequisite, C.D. & F.R. 210 or 211. Mrs. MELVILLE and Nursery School staff.

Four laboratory hours a week totaling 60 clock hours. Students must have at least one morning (other than Saturday) free each week (8-12:30). Seniors with program conflicts should consult the instructor.

Discussions: fall, T Th 3; spring, T 2-4. Room 121.

Opportunity for experience with three- and four-year-old children in the Cornell Nursery School. Readings and discussions supplement the participation experience in giving students an understanding of the children and their behavior in the Nursery School.

333. ADVANCED PARTICIPATION IN THE NURSERY SCHOOL. Fall and spring. Credit

and hours to be arranged. Number of students limited. Permission of the instructor required. Prerequisite, C.D. & F.R. 230 or 330. Miss AZBILL and Mrs. MELVILLE. Designed for those students who wish to get more experience with young children than is offered in the prerequisite course.

343. CREATIVE EXPRESSION AND CHILD GROWTH. Fall and spring. Credit three

hours. Registration by permission of the instructor. Mr. BRITTAIN.

T Th 8:30-10. Room NB-19.

Aimed at an appreciation and understanding of the creative process as seen in art, music, dance, and drama in relation to the development of children. Experience with children totaling 15 clock hours arranged individually.

[345. EXPLORATION IN THE MEANING OF PLAY. Spring. Credit three hours. Rec-

ommended for seniors and graduate students; open to juniors by permission of the instructor. Limited to twenty students. Mr. DALTON. W 2-4. Room NB-19. Laboratory two hours a week to be arranged. An attempt to understand the meaning of play in childhood and its counterpart in adulthood. Some of the topics to be discussed are reverie and fantasy, humor, ritual, dramatic play, and the inability to play. Each student will be expected to observe, analyze, and interpret several play situations. Not offered in 1963-1964.]

[359. PERSONAL RELATIONSHIPS WITHIN THE FAMILY. Fall. Credit three

hours. Mr. FELDMAN. F 2-4:30. Room 225. M.V.R. Annex. The understanding of relationships within the family will be achieved

primarily through studying families. After the selection and definition of an area of study, students will become acquainted with research procedures and methods pertinent to the investigation. The families will then be studied and the data correlated and analyzed. The course is a combined research practicum and a survey of pertinent readings; it will be conducted as a seminar. Not offered in 1963-1964.]

360. PSYCHODYNAMICS OF PERSONALITY. Fall. Credit three hours. Recommended for seniors; graduate students admitted by permission of the instructor. Mr. DALTON. M W F 11. Room 117.

Psychological influences in the development and functioning of persons. Special attention will be given to basic determinants of personality; structure of the personality; personality in social and cultural context; the influence of conscious and unconscious processes in behavior.

362. THE AMERICAN FAMILY. Spring.

Credit three hours. Open to graduate students. Prerequisite, C.D. & F.R. 162 or three hours in sociology or rural sociology. Mr. HUDSON.

T Th 11-12:15. Room 117.

Study of the theoretical and research literature on the modern American family with the aim of understanding the functions the family performs for its members and for society as a whole. Analysis of the structure of contemporary kinship and community relations in urban-industrial society, and the processes of change in family patterns in response to changing needs of the members and to changes in society and technology.

374. BEHAVIOR AND DEVELOPMENT IN INFANCY. Fall. Credit three hours. Limited

to fifteen students. Prerequisite, C.D. & F.R. 115 or equivalent. Mr. RICCIUTI.

T Th 10-11:15. Room 117.

An examination of the characteristic behavior and capacities of infants up to the age of two years. Emphasis will be upon an analysis of perceptual-cognitive and emotional processes through selective readings, laboratory observations of infant behavior, and participation in pilot research studies. The role of constitutional and experiential determinants of individual differences will be stressed.

397. JUNIOR HONORS SEMINAR. Spring.

Credit one hour. Permission of the instructor is required for registration. Mr. HARDING.

398-399. SENIOR HONORS SEMINAR.

Throughout the year. Credit three hours

each term. Permission of the instructor is required for registration. Mr. BALDWIN.

This two-semester seminar is open to a small number of seniors whose cumulative average is 80 or above and who have been recommended for the seminar by two faculty members.

First semester is prerequisite to the second. The first will be devoted to reading, reports, and discussion of selected major problems in child development and family relationships. During the second term each student will work individually with a faculty member on a project of her special interest, in addition to which the total seminar will meet bi-weekly.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff.

For graduate students recommended by their chairmen and approved by the head of the department and the instructor in charge for independent, advanced work.

405. RESEARCH DESIGN AND EVALUATION. Spring. Credit three hours. Prerequisites, C.D. & F.R. 408 or equivalent, and one course in statistics. Mr. HARDING. W 2-4:30. Room 124.

For first- or second-year graduate students. The goal is to enable students to make a critical evaluation of published research reports in the departmental area, and to design sound studies of their own. Emphasis is on problems of conceptual and operational definition, hypothesis testing, and the relation of research to theory. Each student designs at least one research study during the semester.

406. RESEARCH PRACTICUM: FAMILY STRUCTURE AND PERSONALITY DEVELOPMENT. Spring. Credit three hours. Messrs. BRONFENBRENNER and SUCI.

W 1:30-4. Room 225, M.V.R. Annex.

A practicum utilizing the resources of an on-going program of research. Members of the seminar participate in design, critical analysis, and execution of research studies. May be taken more than once for credit.

407. THESIS AND RESEARCH. Fall and spring. Credit and hours to be arranged. Registration with permission of the instructor. Miss FORD, Mrs. MELVILLE, Messrs. BALDWIN, BRITTAIN, BRONFENBRENNER, DALTON, DEVEREUX, FELDMAN, HARDING, LEVIN, RICCIUTI, and SUCI.

408. RESEARCH TECHNIQUES FOR THE APPRAISAL OF CHILDREN AND PARENTS. Fall. Credit three hours. Seniors ad-

mitted by permission of the instructor. Mr. RICCIUTI.

F 1-3:30. Room 3-M-11.

Basic considerations in the evaluation, selection, and development of data collection techniques useful in research on child development and family relationships. Available techniques will be surveyed, and special emphasis will be placed upon the development or adaptation of new techniques especially designed to meet the needs of particular research objectives. Major emphasis will be on methods of direct observation, rating techniques, and the interview. Term projects provide some practical experience in the development and use of selected techniques.

[411. RESEARCH PRACTICUM: STUDY OF THE INDIVIDUAL PERSONALITY.

Spring. Credit three hours. Admission by permission of the instructors. Mr. DALTON and Mr. RICCIUTI. T 2-4 and additional hours to be arranged. Collection of data in a vis-a-vis relationship with the same persons over an extended period of time with a variety of techniques. Evaluation and interpretation of data at various levels of accumulation in order to arrive at hypotheses about the case and to plan further data collection. Not offered in 1963-1964.]

412. RESEARCH PRACTICUM: FAMILY AND COMMUNITY. Fall. Credit three hours. Admission by permission of the instructor. Mr. HUDSON.

W 1:30-4. Room 3-M-11.

Intended to provide training in field methods of studying the family with particular reference to selected community contexts. Members of the practicum will act as a research team to conduct a simple field study which will include experiences in research design, construction of questionnaires and other instruments, sampling, interviewing, analysis of data, and research writing.

[415. SEMINAR IN CHILD DEVELOPMENT.

Fall. Credit three hours. Prerequisite, permission of the instructor. Mr. BALDWIN. Not offered in 1963-1964.]

420. RESEARCH PRACTICUM: EXPERIMENTAL STUDIES OF CHILD BEHAVIOR. Spring. Credit three hours. Permission of the instructor required. Mr. LEVIN.

Hours to be arranged.

Advanced graduate students will design and carry out laboratory-type experiments. The practicum is offered in relation to an on-going research project, "A Basic Research Program on Reading," and will concern children's language, reading, and writing.



From the observation booth a student records a session of the infant testing program.

431. SPECIAL PARTICIPATION AND NURSERY SCHOOL PROBLEMS. Fall and spring. Credit and hours to be arranged. Miss REEVES (community schools). Opportunity to gain experience with children in the campus nursery school and to assist in nursery schools or cooperative play groups in the city, or to pursue a special interest in some aspect of the nursery school program.

432. RESEARCH PRACTICUM: ADULT-CHILD INTERACTION IN INDIVIDUAL AND GROUP SETTINGS. Fall. Credit three hours. Admission by permission of the instructor. Mrs. MELVILLE.

Hours to be arranged.

Opportunities are available for a limited number of graduate students to observe and carry through some familiar research techniques such as doll play with individual subjects and to conduct experimental procedures in children's groups. In addition the student gains experience in interacting with children in free play in the laboratory nursery school.

The purpose of the course is to gain supervised experience in the techniques involved in establishing rapport, eliciting and evaluating information, and dealing with individual differences among children in standardized situations.

460A. SEMINAR IN PSYCHODYNAMICS: NORMAL AND PSYCHOPATHOLOGICAL. Fall. Credit three hours. Mr. DALTON. Th 10-12:30. Room 124.

Primary emphasis will be upon theory and empirical findings with respect to normal personality development and functioning.

460B. SEMINAR IN PSYCHODYNAMICS: NORMAL AND PSYCHOPATHOLOGICAL. Spring. Credit three hours. Mr. DALTON.

Th 10-12:30. Room 124.

Primary emphasis will be upon theory and empirical findings with respect to the origin, functioning, and treatment of psychopathological personalities.

[465. THEORY CONSTRUCTION AS RESEARCH METHOD. Spring. Credit three

hours. Seniors admitted by permission of the instructor. Mr. HUDSON. M 2-4. Room 301. The seminar is intended to provide experience in the advancement of theoretical knowledge of human behavior. Emphasis will be directed toward understanding and utilizing the principles underlying the development of testable scientific hypotheses and theories. Some of the topics which will be considered are the function of intuitive understanding, synthesis, and discovery versus formal logic, analysis, and verification; the process of concept formation; the use of mathematical models; and the specification of operational variables for empirical research. A sociological point of view will be employed, permitting an approach to a wide range of problems, with particular application to the family in relation to social structure and personality. Not offered in 1963-1964.]

[467. **SEMINAR IN THEORY AND RESEARCH ON THE FAMILY.** Spring. Credit three hours. Mr. DEVEREUX. Not offered in 1963-1964.]

469. **RESEARCH PRACTICUM: THE EXPERIMENTAL APPROACH TO FAMILY INTERACTION.** Spring. Credit three hours. Open to advanced undergraduates with permission. Mr. MEYEROWITZ. F 2-4:30. Room 124.

The family will be considered a special type of small group. Pertinent theories and methods developed on other types of small groups in the correlative social sciences will be reviewed and testable hypotheses generated as they apply to the family. Students

will then either create an experimental design based on previous models or develop an original design. The experiments will be carried out on a small number of subjects and then evaluated. The course will be operated as a seminar.

[480. **PERSONAL COUNSELING.** Spring. Credit three hours. Prerequisite, several advanced courses in child development and family relationships or psychology and permission of the instructor. Limited to fifteen students. Mr. FELDMAN. W 2-4:30. Room 3-M-11. Several selected counseling schools will be considered as they relate to the psychological growth process. Comparisons of theory and method will be made for the Freudian, neo-analytic, directive, client centered, relationship, eclectic schools. Although the focus will be on counseling of individuals, some attention will be given to group counseling. Not offered in 1963-1964.]

ADJUSTMENT IN THE MIDDLE AND LATER YEARS (Rural Sociology 137). Spring. Credit three hours. Mr. TAIEZ. T 2-4. Room 232. Warren.

A consideration of the adjustments in the middle and later years as a process of biological, psychological, and social change. Emphasis on changes in role and status, marital and family relationships, living arrangements, and employment. Study and evaluation of the provisions, public and private, which have been developed to meet the aged person's economic, social, psychological, medical, recreational, educational, and housing needs.

EXTENSION TEACHING AND INFORMATION

A JOINT DEPARTMENT OF THE COLLEGES OF HOME ECONOMICS AND AGRICULTURE

WILLIAM B. WARD, *Head.*

All the following courses may be counted in the degree requirements as *State College Electives.*

310. **PREPARATION OF PUBLICATIONS.** Fall. Credit three hours. Mrs. HALL and others.

T 9, Th 9-11. Room 3-M-11.

Practice in writing and editing manuscripts suitable for use in bulletins, folders, and leaflets; production and publishing techniques—illustration, layout, proofreading—involved in preparing copy for the printer and engraver. Field visits.

Note: Publication 310 is planned especially for students in home economics and agriculture to supplement other courses offered in

the department. Home economics students interested in journalism should include some of the following courses in their programs. Full descriptions will be found in the *Announcement of the College of Agriculture* under the Extension Teaching Department.

15. **AGRICULTURAL AND HOME ECONOMICS JOURNALISM.** Credit three hours. Fall. M W F 10. Mr. RUSSELL.

110. **NEWS WRITING.** Spring. Credit two hours. Prerequisite, Course 15. Th 2-4. Mr. KNAPP.

112. **ADVERTISING AND PROMOTION.** Spring. Credit two hours. W 2-4. Mr. RUSSELL and guest lecturers from advertising agencies.

113. **WRITING FOR MAGAZINES.** Spring. Credit three hours.
M 1:30-4:30. Mr. WARD.

120. **RADIO BROADCASTING AND TELECASTING.** Spring. Credit three hours. M W F 9. Mr. KAISER.

122. **TELEVISION PRODUCTION AND PROGRAMING.** Fall. Credit two hours.
T 2-4. Mr. KAISER.

130. **PHOTOGRAPHY.** Spring. Credit two hours. S 9-12. Mr. PHILLIPS.

[131. **VISUAL AIDS: THEIR SCOPE, PREPARATION, AND USE.** Fall. Credit two hours. S 9-11. Mr. PHILLIPS. Not offered in 1963-1964.]

195. **UNDERGRADUATE RESEARCH.** Fall and spring. Credit one to three hours depending upon the problem undertaken and the extent and quality of work done. Open to seniors who obtain written permission of professors supervising their work.

FOOD AND NUTRITION

CATHERINE PERSONIUS, *Head*; MARJORIE BURNS, JANET CLAY, ELIZABETH DONALD, MABEL DOREMUS, IRENE DOWNEY, MILDRED DUNN, ZENaida GARCIA, MRS. HELEN GIFFT, ELIZABETH HESTER, FRANCES JOHNSTON, MRS. RUTH KLIPSTEIN, EDWIN KUTA, MARTHA McMILLAN, NELL MONDY, MARY MORRISON, KATHERINE NEWMAN, JERRY RIVERS, GRACE STEININGER.

The aims of the department are to help students to understand the basic principles underlying the science of food and nutrition, to gain an appreciation of the relation of food to health, and to translate into daily living practices the knowledge they gain. The principles of good nutrition are applied to the problems of food selection for family groups as well as for the individual. Laboratory practice is offered to provide opportunity for understanding the scientific aspects of food preparation.

Students who wish to major in the Department of Food and Nutrition must complete the following courses:

Food and Nutrition 103.

Food and Nutrition 214 and 215, or equivalent. (Any student who has some college credit in chemistry but has not taken 214-215 should consult Miss Personius about ways of getting equivalent training.)

Food and Nutrition 324. (Biochemistry 101 and Zoology 242 or 201 are prerequisite to this course.)

A course in bacteriology; laboratory strongly recommended.

Additional courses in the Department of Food and Nutrition, totaling 6 credit hours.

Students with a professional interest in hospital dietetics, in commercial food work, or in research may need more work in the natural sciences and in food and nutrition than the minimum listed for a major. A member of the department staff should be consulted as to the most appropriate courses for various professions.

An Honors program is offered by the department leading to a degree with Honors for students who have a high scholastic standing in food and nutrition and related science courses and a professional interest in the field. Students interested in a degree with Honors should discuss their plans during their sophomore year with a member of the department's Honors committee. Written application for admission to the Honors program should be submitted to the committee before registration for the junior year. A description of the Honors program, and the courses open only to those students in the program, is available in the Department of Food and Nutrition or the Counseling Service Office. The official transcript will show "Graduation with Honors in Food and Nutrition" for students who (1) have satisfactorily completed the food and nutrition major, (2) have chosen courses specified by the Honors committee to satisfy the major requirement of six additional credit hours in the field, and (3) have completed a senior problem for a minimum of two hours of credit. Honors work requires only two credit hours in addition to the department major.

***103. HUMAN NUTRITION AND FOOD PREPARATION.** Fall and spring. Credit five hours. Misses STEININGER and McMILLAN. Lecture, M W 8. Amphitheatre. Discussion, F 8. Amphitheatre and Rooms 117 and 121. Laboratories, M W 2-4, T Th 11-1, or 2-4 Rooms 352 and 426.

An introduction to the field of food and nutrition: the nutrients essential to human life and well-being, their functions in metabolism and their sources in food as it is consumed. Application of this information to the significant relationship between food habits and health. The laboratory includes a study of basic ingredients and techniques used in food preparation with emphasis on theory. Some meal preparation stressing nutritive value and the management of money and time is included.

105. ELEMENTARY FOOD PREPARATION.

Fall. Credit two hours. For transfer students only. Prerequisite, a college course in nutrition and signature of instructor. Miss McMILLAN.

Laboratory, T Th 11-1. Room 352.

An introduction to the field of food: a study of basic ingredients and techniques used in food preparation with emphasis on theory. Some meal preparation, stressing nutritive value and the management of money and time, is also included. Students will meet with F.N. 103 for laboratory.

***192. HUMAN NUTRITION.** Spring. Credit three hours. Open to students registered in any unit of the University. Mrs. GIFFT. M W F 9. Room G-62.

A study of the nutrients essential to human life and well-being, their functions in metabolism, and their sources in food as it is consumed. Application of this information to the significant relationship between food habits and health.

214. CHEMISTRY AND ITS APPLICATION TO FOOD PREPARATION.

Fall. Credit five hours (1 hour, food; 4 hours, chemistry). Prerequisite or parallel, Food and Nutrition 103. Not to be elected by students who take Chemistry 103 or 107. F.N. 214 is designed to be the first of a two-course sequence, the second course of which is F.N. 215. Misses MONDY and GARCIA.

Lecture and discussion, M W F 9. Amphitheatre and Rooms 339, 117, 121. Laboratories, M W 2-4, T Th 8-10, 11-1, or 2-4. Rooms 353 and 356.

Fundamental principles and practices of food preparation approached through the study of general chemistry. Consideration of the physicochemical properties of gases, liquids, solids, and solutions; pH, titrations,

buffer mixtures and hydrolysis; and other fundamental chemical reactions. The influence of kind and proportion of ingredients and of methods of manipulation on food. Laboratory practice in chemistry and comparative cookery includes experiments using simple chemical techniques and basic cookery processes. Emphasis on the application of scientific principles to the interpretation of observed results.

215. CHEMISTRY AND ITS APPLICATION TO FOOD PREPARATION.

Spring. Credit five hours (3 hours, food; 2 hours, chemistry). Prerequisite, F.N. 214. The course is planned to follow F.N. 214 and should be taken the term after it. Misses MONDY and GARCIA.

Lecture and discussion, M W F 9. Amphitheatre and Rooms 339, 121, and 124. Laboratories, M W 2-4, T Th 8-10, 11-1, or 2-4. Rooms 353 and 356.

Fundamental principles and practices of food preparation approached through the study of organic and colloidal chemistry. Course 215 serves as a prerequisite for Biochemistry 101, 102, and with permission of the instructor, for Chemistry 205, 353, and 355.

216. CHEMISTRY AND FOOD PREPARATION.

Fall. Credit one hour. Prerequisites, F.N. 103 and Chem. 106. Laboratory and discussion, F 2-4. Rooms 353 and 301.

Spring. Credit three hours. Additional prerequisite, organic chemistry. Lecture and discussion, M W F 9. Amphitheatre. Laboratory, see F.N. 215. Miss MONDY.

Food aspects of F.N. 214 and 215 subject matter. Laboratory includes experiments in comparative cookery. After finishing this work students will have the equivalent of F.N. 214 and 215.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Department staff.

For students recommended by counselors and approved by the head of the department and the instructor in charge for independent advanced work on a problem not dealt with by other courses in the department; or for special arrangement of course work necessitated because of previous training.

Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

304. CULTURAL ASPECTS OF FOOD.

Spring. Credit three hours. Prerequisites, F.N. 215 and C.D. & F.R. 115 or equivalent. Open to qualified sophomores with permission of the instructor. Mrs. GIFFT. Lecture, W F 2. Room 339. Laboratory, M 2-4:20. Room 361.

Study of psychological, sociological, and historical aspects of cultural food patterns. Consideration of the nutritional significance of these patterns and of factors involved in changing food habits. Laboratory work illustrates the application of scientific principles to the preparation of foods of various cultural groups.

316. SCIENCE OF FOOD. Fall. Credit three (lectures only) or four hours. Prerequisite, F.N. 215 or equivalent, and a college course in organic or biochemistry. Students who have had limited laboratory experience in comparative foods *must* register for four hours. Misses HESTER, PERSONIUS, and DONALD.

Lecture, T Th S 9. Room 339. Laboratory, Th 2-4. Room 358.

Scientific principles underlying modern food theory and practice. The relation to food preparation of the physical and chemical properties of proteins, fats, starches, sugars, leavening agents, and pigments; the properties of true solutions and principles of crystallization; colloidal systems—gels, sols, foams, and emulsions. Laboratory experiments designed to illustrate the effect of varying ingredients and preparation procedures on the quality of food products.

317. SCIENCE OF FOOD—LABORATORY.

Fall. Credit one hour. Must be taken with or following F.N. 316. Miss DONALD.

Laboratory, T 1:40-4:20. Room 358. Laboratory experiments designed to illustrate the physicochemical behavior of colloidal and crystalline systems and chemical reactions of the food components.

318. EXPERIMENTAL FOOD METHODS.

Spring. Credit two hours. Prerequisite, F.N. 316. A course in statistics and F.N. 317 are desirable but not required. Misses HESTER and DONALD.

Laboratory, M F 1:30-4:30. Room 358. Application of scientific theories and methods in the design and performance of experimental food problems and in the interpretation and evaluation of results. Independent laboratory problems.

324. NUTRITION. Spring. Credit three hours.

Prerequisites, elementary college courses in nutrition, biochemistry, and human physiology. Miss NEWMAN.

Discussion, T Th 8. Room 339. Demonstration and discussion, Th 2-4. Room 339. Principles of nutrition as they relate to energy metabolism and weight control, hygiene of the digestive tract, proteins, minerals, and vitamins. Application of the principles of nutrition to needs of normal individuals. During and as a result of this course the student is expected to establish and maintain good nutrition practices.

330. DIET THERAPY. Fall. Credit three hours. Prerequisite, F.N. 324 or equivalent. Miss RIVERS.

Discussion, M W F 9. Room 3-M-11.

Study of the physiological and biochemical anomalies in certain diseases and the principles underlying nutritional therapy. Independent survey of the technical literature in this field.

340. MATERNAL AND CHILD NUTRITION.

Fall and spring. Credit two hours. Prerequisite, F.N. 103 or 192. F.N. 340 may *not* be taken concurrently with or following F.N. 324. Majors with special interest in this subject may elect F.N. 340 as sophomores or request permission to register for F.N. 440 as seniors. Miss NEWMAN.

Lecture and discussion, W F 8. Room 339. Family nutrition with special emphasis upon the nutritional needs of the mother and child. Relation of nutrition to physical growth.

390. HONORS SEMINAR. Fall. Credit one hour. Prerequisite, junior standing and F.N. 215 or equivalent. Registration by permission of the department Honors committee. Department staff.

T 4:30. Room 301.

391-395. Credit one hour each. These courses are open to students in the Department of Food and Nutrition Honors program and require permission of the instructor and the department's Honors committee.

391. HONORS IN FOOD AND NUTRITION. Concurrent registration in F.N. 304 required.**392. HONORS IN FOOD.** Concurrent registration in F.N. 316 required.**394. HONORS IN NUTRITION.** Concurrent registration in F.N. 324 required.**395. HONORS IN NUTRITION.** Concurrent registration in F.N. 330 required.**399. SENIOR HONORS PROBLEM.** Fall and spring. Credit two to six hours. Prerequisite, F.N. 390. Hours to be arranged. Registration with permission of the department.



Honors Seminar in Food and Nutrition.

ment Honors Committee. Department staff.

For seniors enrolled in the Honors program: an independent literature or laboratory investigation. The work may be spread over two semesters.

400. READINGS IN NUTRITION. Spring. Offered in even-numbered years. Credit two hours. Prerequisite, F.N. 324 or equivalent. Miss RIVERS. T Th 11. Room 301. Critical review of literature in the field of vitamin and mineral metabolism, with emphasis on the experimental data on which the principles of human nutrition are based.

[**401. READINGS IN NUTRITION.** Spring. Offered in odd-numbered years. Credit two hours. Prerequisite, F.N. 324 or equivalent. Miss RIVERS. T Th 11. Room 301. Critical review of literature relating to energy metabolism, proteins, fats and carbohydrates, with emphasis on the experimental data on which the principles of human nutrition are based. Not offered in 1963-1964.]

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff. For graduate students recommended by their chairmen and approved by the instructor in charge for independent, advanced work. Experience in research laboratories in the department may be arranged.

404. READINGS IN FOOD. Fall. Credit two hours. Prerequisite, F.N. 316 or equivalent. Department staff. T Th 11. Room 301.

Critical review of current literature. Emphasis on experimental data basic to the scientific principles underlying modern theory and practice in food preparation.

407. THESIS AND RESEARCH. Fall and spring. Credit and hours to be arranged. Registration with permission of the instructor. Misses DONALD, HESTER, JOHNSTON, LONGRÉE, MONDY, MORRISON, NEWMAN, PERSONIUS, RIVERS, STEININGER, and YOUNG. Messts. BARNES and KUTA.

420. SEMINAR IN NUTRITION. Fall. Credit one hour. Miss RIVERS and department staff. T 4:30. Room 339.

421. SEMINAR IN FOOD. Spring. Credit one hour. Miss HESTER and department staff. T 4:30. Room 339.

424. ADVANCED NUTRITION. Fall. Credit two hours. Prerequisite, F.N. 324 or equivalent. Miss MORRISON. M W 10. Room 301. Recent advances in nutrition. Emphasis on human nutrition.

[**440. NUTRITION AND GROWTH.** Fall. Credit two hours. Prerequisite, F.N. 324 or equivalent. Signature of instructor required for undergraduate students. Miss NEWMAN. T Th 9. Room 301. Information on growth which is of particular interest to nutritionists. Survey of methods used in studying physical and chemical growth. Relation between nutrition and growth. Not offered in 1963-1964.]



Students at work in a food science laboratory.

HOME ECONOMICS EDUCATION

SARA BLACKWELL, *Head*; MRS. MARY MARGARET CARMICHAEL, MRS. ETHELWYN CORNELIUS, MARGARET ELLIOTT, FRANCES HELTZEL, HELEN MOSER, MRS. HELEN NELSON, IRENE PATTERSON, KATHLEEN RHODES.

The undergraduate program in home economics education is designed for (1) students who wish to qualify for certification to teach in the public schools of New York State at the secondary and adult levels, (2) students who expect to include informal teaching in their professional activities or in service to the community.

Courses in the department are designed to help students to acquire an understanding of the place of home economics in the total educational program of the community, to develop some skill in teaching home economics, and to develop a philosophy of home economics education.

The graduate program gives students an opportunity to qualify for either an M.S. or a Ph.D. degree, with either a major or a minor in home economics education. Students who are interested in qualifying for either of two professional degrees, M.Ed. or Ed.D., may select home economics education as the field of professional concentration.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Department staff.

For students recommended by counselors and approved by the head of the department and the instructor in charge for independent, advanced work not otherwise provided in the department, or for special arrangement of course work necessitated because of previous training. Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials.

The second copy is left with the instructor. Obtain form to be used in Room 135.

310. THE HOME ECONOMIST AS A TEACHER. Fall. Credit two hours. Open to upperclassmen and graduate students. Miss ———.

T Th 11. Fifth Floor, East Wing.

Designed for students who plan to be extension agents, dietitians, social workers, or home service representatives, or to undertake other work which will involve teaching in a non-school situation. Consideration will be given to social-psychological factors af-

fecting the teaching-learning process, approach to different age and ability levels, use of appropriate media for different purposes, and various instructional techniques applicable to different groups of learners. Opportunity will be provided for observation and participation in educational programs according to students' individual needs.

330-331-332. THE ART OF TEACHING. To be taken in two successive terms, 330 in the first and both 331 and 332 in the second. Open to juniors and seniors preparing to teach home economics in the public schools. Miss MOSER, coordinator, assisted by Misses HELTZEL, PATTERSON and ELLIOT, Mrs. CARMICHAEL, Mrs. CORNELIUS, Mrs. NELSON, and cooperating teachers. This sequence of courses involves observation and participation in the home economics program of one or more schools in communities near Ithaca. H.E. Ed. 330 is offered on a regular schedule throughout each semester, but special scheduling is required for H.E. Ed. 331 and 332; two different possibilities are provided (see 331A + 332A and 331B + 332B).

It is recommended that students use public transportation in traveling to and from the student teaching centers.

330. Fall and spring. Credit two hours.
Discussion period, T Th 8. Fifth floor, East

Wing. Field work is required one half-day each week for six weeks for the purpose of visiting homemaking programs in cooperating schools. Consideration is given to (1) procedures for determining the scope and sequence of the content of home economics classes and (2) the choice of learning experiences appropriate for use in the secondary schools. Students have an opportunity to study the community and the place of home economics in the total educational program.

331A. Fall. Credit two hours. To be scheduled concurrently with H.E. Ed. 332A, H.E.M. 302, and C.D. & F.R. 302.
W 10-12 for full semester; W 9 for one-half semester, and W 1:15-3 for the other half. Fifth floor, East Wing.

331B. Spring. Credit two hours. To be scheduled concurrently with H.E. Ed. 332B, H.E.M. 302, and R.E. 111 (special blocked sections of each course).
M T W Th F 9 for first four and last four weeks of the semester. Fifth floor, East Wing.

Consideration is given to major concerns related to the teaching of home economics at secondary and adult levels.

332A. Fall. Credit six hours. Full time for either first or second half of semester, ex-



A student teacher with her class in a local school.

cept for the 331A meetings scheduled W 10-12 and 1:15-3.

332B. Spring only. Credit six hours. Full time for middle seven weeks of semester. When the spring vacation of the cooperating schools does not correspond to that of the University, each student will be expected to follow the vacation schedule of the particular school in which she is teaching. Guided student teaching experience with students assigned to cooperating public schools. Student teachers live in the school communities and work under the guidance of both local homemaking teachers and department faculty.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff. For students recommended by their chairmen and approved by the instructor in charge for independent, advanced work.

407. THESIS AND RESEARCH. Fall and spring. Credit and hours to be arranged. Registration with permission of the chairman of the graduate committee and the instructor. Misses BLACKWELL, HELTZEL, MOSER, PATTERSON, Mrs. CARMICHAEL, and Mrs. NELSON.

437. ADULT EDUCATION. Fall. Credit two or three hours. Seniors admitted by permission of the instructor. Miss PATTERSON. T 4-5:45. Fifth floor, East Wing. An introductory course planned for teachers, administrators, directors of adult education, extension agents, parent educators, and others. Focused on educational needs, program planning suited to adult learners, choosing teaching procedures and materials for adults, promotion of programs, philosophy and evaluation in adult education. A wide variety of adult education activities in the Ithaca area provides opportunity for students to observe the application of principles to local programs. Students taking the third credit either observe or assist in teaching adults in local programs or choose some other suitable problem.

[**438. SEMINAR IN ADULT HOME ECONOMICS EDUCATION.** Spring. Credit two hours. Miss PATTERSON. Not given in 1963-1964. Will be offered in 1964-65.]

[**439. THE TEACHING OF HOME ECONOMICS.** Spring. Credit three hours. Miss PATTERSON. Not given in 1963-1964. Will be offered in 1964-1965.]

449. CURRICULUM PLANNING IN HOME ECONOMICS. Spring. Credit two or three hours. Miss ———.

W F 9. Fifth floor, East Wing.

For high school and college teachers, administrators, and extension personnel. Attention is given to the social-cultural foundations of the home economics curriculum, social-psychological needs of learners, the influence of educational philosophy on curriculum planning, and curriculum planning for different age and ability levels. Opportunity is given for students to relate curriculum principles to individual situations.

459. EVALUATION. Fall. Credit three hours. Mrs. NELSON.

M Th 1-2:30. Fifth floor, East Wing.

For high school and college teachers, administrators, extension agents, and educational research workers; students without experience in any of these professional positions are admitted by permission of the instructor. Basic principles of evaluation studied in relation to specific methods of appraising educational programs or individual achievement. Opportunities will be given for constructing and using evaluation instruments.

[**460. SEMINAR IN EVALUATION.** Spring. Credit two hours. Prerequisites, H.E.Ed. 459 and Rural Education 253 or equivalent. Miss BLACKWELL. Not given in 1963-1964. Will be offered in 1964-1965.]

461-462. THE TEACHER EDUCATOR IN HOME ECONOMICS. For graduate students preparing for teacher education positions involving supervision of student teachers. Permission of the instructors is required. Previous experience in teaching homemaking at the secondary level is required for H.E. Ed. 462.

461. Fall. Credit three hours. Mrs. NELSON. F 1:30-3. Fifth floor, East Wing. Observation and participation T Th 8 and several half-day field trips.

Opportunity is provided for students to develop understanding of teacher education practices by observing and participating in H.E.Ed. 330. Participation involves teaching one or two lessons, and individual work with students. Additional experiences include observation of student teachers and of supervisory conferences in student teaching centers.

462. Spring. Credit four hours. Miss MOSER and Mrs. NELSON.

Hours to be arranged. Fifth floor, East Wing. Observation and participation W 10-12, 1-3, and weekly half-day or full-day field trips for half the semester.

Seminar is concerned with basic principles of supervision and their application to the



A graduate student from overseas discusses her program with one of her advisers.

preservice education of home economics teachers. Opportunity is provided for observation and participation in H.E.Ed. 331 and 332, including some teaching in the courses and the supervision of a student teacher.

463. INTERNSHIP AND FIELD WORK IN TEACHER EDUCATION.

Fall. Credit two hours. Miss MOSER and Mrs. NELSON. Hours to be arranged. Fifth floor, East Wing. First eight weeks of semester: supervise one student teacher. Second eight weeks of semester: supervise two student teachers. Conference with college supervisor one hour each week and conferences as needed with cooperating teachers in the public schools. Provision will be made for a follow-up visit to a first-year teacher.

[469. ADMINISTRATION AND SUPERVISION IN HOME ECONOMICS.

Spring. Credit three hours. Miss RHODES. Not offered in 1963-1964. Will be offered in 1964-1965.]

475. READINGS IN EDUCATION.

Spring. Credit two hours. Miss PATTERSON. T Th 10. Fifth floor, East Wing. Open to all graduate students interested in a critical analysis of current literature in the field of education and the consideration of major issues. Students are expected to read widely, and to prepare and present an analysis of various current issues.

480. SEMINAR IN HOME ECONOMICS EDUCATION.

Fall and spring. No credit. Fall, Miss RHODES, coordinator; spring, department staff. M 4. Fifth floor, East Wing. An informal seminar planned for majors and minors in home economics education and for others who are interested. One major aspect of education will be considered each term.

490. TEACHING HOME ECONOMICS IN HIGHER EDUCATION.

Fall. Credit two hours. Miss PATTERSON. T Th 10. Fifth floor, East Wing. For students interested in preparing to teach in colleges, junior colleges, or institutes. Opportunities are provided for students to observe and analyze the teaching of college classes.

Application of the principles of teaching to aspects of home economics to be taught, for example, food and nutrition, housing, textiles and clothing, family relations, or management. Deals with (a) the contributions of home economics at the college level, (b) the philosophy involved in cooperatively planned programs, (c) the characteristics of college-age youth, (d) factors affecting student learning, (e) principles influencing the choice of teaching procedures and materials for college teaching, (f) the educative value of group teaching, and (g) evaluation of teaching.

HOUSEHOLD ECONOMICS AND MANAGEMENT

MABEL A. ROLLINS, *Head*; GWEN BYMERS, ALICE J. DAVEY, KATHERINE HARLAN, MRS. MARIAN MACNAB, MARY PURCHASE, ROSE E. STEIDL, MRS. ETHEL L. VATTER, KATHRYN E. WALKER, JEAN WARREN, MRS. CLARA M. WENDT, ELIZABETH WIEGAND.

The Department of Household Economics and Management attempts to clarify the scope and meaning of management in the home and to help students recognize and use intelligently the many resources available to them to accomplish their individual purposes. It aims also to help students understand the relation between general economic conditions and economic problems of families and to provide a background for intelligent civic action in furthering human well-being.

Work in this area contributes to the professional preparation of students interested in consumer economics, family economics, counseling, home service, and other home economics positions in business as well as to home economics extension teaching. Students interested in these areas of work should consult faculty members of the department.

A student majoring in the Department of Household Economics and Management shall take nine credit hours in courses offered by the department in addition to the present core, or a total of 15 credit hours.

Courses in other colleges of the University that are related to the work in household economics and management are in *agricultural economics, anthropology, chemistry, economics, education, government, physics, physiology, psychology, sociology, statistics.*

***100. MANAGEMENT OF RESOURCES.** Fall and spring. Credit three hours. Misses HARLAN and WARREN and Mrs. VATTER.

M W F 11. Amphitheatre, Room 117, or Room 121. An introductory course designed to provide students with an understanding of the possibilities for improvement in the real level of living for families. The possibilities examined will be those stemming from the basic ideas of management and economics in relation to the effective use of available resources in the home, the community, and the economy. The course should help students develop an appreciation of the importance of informed choice in the allocation of scarce resources in the home and in the economy, plus an appreciation of the influence that values of individuals, families, and societies have on choice-making.

A further aim will be to enable the student to recognize the productive functions of the household and how these can be integrated with production in the outside economy. The measures of production in the market as well as the nonmarket sector of our society will be viewed from the perspective of family well being.

***128. MANAGEMENT AND THE WORK OF THE HOME.** Fall and spring. Credit three hours. Misses PURCHASE, HARLAN, and assistants.

Lecture, M W 10, Amphitheatre. Laboratory, T Th 8-10, 11-1, 2-4; W F 8-10, 11-1, 2-4. Room G-19.

The procedure of management in the solution of problems in the home. Principles of body mechanics, functional storage, work simplification, and kitchen planning. Proc-

esses, supplies and equipment used in the care of the home and in laundering. The wide range of choice in method, equipment, cost, material, and human effort available to accomplish the ends desired. Comparison of certain home processes with commercial services in terms of cost, quality of product, and satisfaction obtained.

***130. ECONOMIC CONDITIONS IN RELATION TO THE WELFARE OF FAMILIES.**

Fall and spring. Credit three hours. (Graduate students register for H.E.M. 430.) Misses ROLLINS and WARREN, Mrs. VATTER, and assistants.

M W F 11. Amphitheatre.

Changes that have taken place in the economic welfare of families in this country and some of the factors related to these changes. Production and distribution as they relate to economic welfare, the national income as it relates to family incomes, the significance of price in our economic organization, the connection between outside economic conditions and personal financial problems.

260. PROBLEMS IN PROVIDING CONSUMERS' GOODS. Fall. Credit three hours.

Also open to graduate students. Prerequisite, H.E.M. 130 or permission of the instructor. Miss BYMERS.

M W F 8. Room 124.

The basis for a better understanding of the marketing system as it is concerned with the distribution of consumer goods. Emphasis is on the joint interest of those engaged in marketing, the consumers, and the government in an efficient marketing system. Areas covered include the functions of mar-



Students in equipment classes learn the value of safety devices in electric circuits.

keting; the growth, development, and continual change of marketing institutions; consumer information available; and consumer protection in the market. Occasional field trips to markets will be taken in place of class meetings.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged individually. For students recommended by counselors and approved by the head of the department and the instructor in charge for independent advanced work on a problem not dealt with by other courses in the department, or for special arrangement of course work necessitated because of previous training.

Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

302. HOME MANAGEMENT RESIDENCE.

Fall and spring. Credit four hours. Offered twice in the fall term and once in the spring term. For juniors, seniors, and graduate students. Prerequisite, the core courses. Miss DAVEY and assistant.

Hours to be arranged at preregistration. Students preparing to teach are to schedule

the course concurrently with Home Economics Education 331.

Students utilize learning gained from other home economics courses and homemaking experiences. Based on the resources available and needs, each group will choose the household activities it wishes to perform or have provided commercially.

The cost of living in the Residence is \$140.

310. MANAGEMENT PROBLEMS IN HOMES. Fall and spring. Credit three hours.

For juniors, seniors, and graduate students. Prerequisite, H.E.M. 128 or equivalent. Graduate students consult instructor before registering. Miss WALKER and assistant. T Th 2-4. Room G-20.

Ways in which different families manage to achieve their purposes, using the resources available. Comparison of management in homes to management in other areas of our society, and application of research in behavioral sciences to home management. Experience in homes in observing the procedure of management and in recognizing values and goals, resources, and decisions made. Students work with families toward solving some of the families' management problems. Field trips included.

Suggested for students preparing for positions in social work, home economics extension, or home economics teaching.



Activities are varied in the Home Management Apartments.



320. MANAGEMENT IN RELATION TO HOUSEHOLD EQUIPMENT. Spring. Credit three hours. For juniors, seniors, and graduate students. Prerequisite, H.E.M. 128 or permission of the instructor. Miss PURCHASE. W F 2-4. Room G-20.

Selection, use, and care of household equipment. Safe and efficient use of electricity and gas. Principles of operation of appliances for cooking, refrigeration, house cleaning, and laundering. Characteristics of materials used in household equipment. Relative advantages of various types of equipment in performing certain tasks.

330. MANAGEMENT IN RELATION TO PERSONAL FINANCES. Spring. Credit three hours. For juniors, seniors, and graduate students. Prerequisite, H.E.M. 130 or equivalent economics course approved by the instructor. Miss WARREN.

M W F 9. Room 117.

The management procedure applied to individual and family problems involving finances. The influence of economic conditions, as well as personal circumstances, on one's financial situation. The effect of standards of living on the amount spent. Problems connected with estimating future expenditures. Considerations in developing a savings program and in purchasing insurance. The nature of investments in real estate and in government and corporate securities. Advantages and disadvantages in the use of credit; variations among credit agencies. Problems in arranging for transfer of property to heirs. Various types of records helpful in managing.

340. THE ECONOMICS OF CONSUMPTION. Spring. Credit two hours. Prerequisite, H.E.M. 130, elementary economics, or permission of the instructor. Miss BYMERS. T Th 2. Room 3-M-11.

How individual preferences are translated into the theoretical structure of market demand; the role of demand in price formation under competitive and imperfectly competitive market situations; relationships between consumption, production, and income; and the current thought and terminology in the area of consumer demand and consumer behavior analysis.

380. WORK SIMPLIFICATION IN HOME ECONOMICS. Spring. Credit three hours.

For juniors, seniors, and graduate students. Prerequisite, H.E.M. 310 or 302 or equivalent. Consult instructor before registering. Miss WALKER.

T Th 9-11. Room G-20.

Adaption of work simplification techniques, as developed in industry, for use in

studies of activities in homes and in home economics laboratories. Development of methods for simplifying the work of the home with distinction between those suitable for teaching and for research. Work on individual problems. Field trips included.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff. For graduate students recommended by their chairmen and approved by the head of the department and the instructor in charge for independent, advanced work.

407. THESIS AND RESEARCH. Fall and spring. Registration with permission of the instructor and chairman of graduate committee. Misses BYMERS, DAVEY, PURCHASE, ROLLINS, STEIDL, Mrs. VATTER, Misses WALKER, and WARREN.

419. CONCEPTS OF HOME MANAGEMENT. Fall. Credit two or three hours. Consult the instructor before registering. Miss DAVEY. M W F 9. Room 120C.

An examination of fundamental ideas in home management, to include decision making, organization, and values. The ideas will be traced historically. An overview of current thought and some projection into the future. Three credits require the writing of a term paper.

420. PHYSICAL SCIENCE IN THE HOME. Fall. Credit two hours. Consult instructor before registering. Miss PURCHASE.

T Th 10, and laboratory 2 hours, to be arranged. Room G-20.

Composition of soil and principles involved in its removal. Reactions of polishes, waxes, detergents, and other cleaning supplies on household materials such as textiles, paint, wood, plastics, and floor coverings. Selected principles from the fields of physics and chemistry applied to laundering and other cleaning problems and to safe, efficient operation of household equipment.

430. ECONOMIC CONDITIONS IN RELATION TO THE WELFARE OF FAMILIES.

Fall and spring. Credit one or three hours. Graduate section of H.E.M. 130. Consult the instructor before registering. Misses ROLLINS and WARREN, and Mrs. VATTER.

M W F 11 and one additional hour to be arranged. Amphitheatre.

See description of H.E.M. 130.

432. READINGS IN PERSONAL FINANCES.

Fall. Credit two hours. Prerequisite, H.E.M. 330 or the equivalent. Consult instructor before registering. Miss WARREN.

F 2-4. Room to be arranged.

Examination of the nature of personal financial problems and of adjustments in families' financial practices under changing conditions. Review of research in family financial management.

440. READINGS IN THE ECONOMICS OF CONSUMPTION. Spring. Credit two hours. Prerequisites, H.E.M. 130 and 340. Consult instructor before registering. Miss BYMERS. Time to be arranged. Critical review of current literature dealing with the economics of consumption.

450. READINGS IN MANAGEMENT OF HOUSEHOLD WORK. Spring. Credit two hours. Consult the instructor before registering. Miss STEIDL. Hours to be arranged. Critical review of research concerned with description and measurement of work, and design of physical arrangements for work.

452. READINGS IN USE OF TIME IN HOMES. Fall. Credit two hours. Consult instructor before registering. Miss WALKER. Hours to be arranged. Critical review of research concerned with the use of time in homes in the United States and abroad for household work and for leisure.

489. THE TEACHING OF HOME MANAGEMENT IN COLLEGE. Spring. Credit three hours. Consult instructor before registering. Miss DAVEY.
M W F 9. Room 301.
An examination of the ways home management concepts have been taught in the past and may be taught in the future, through

home management residence, observation and work with families in their homes, analysis of case studies, and laboratory experiences. Observation of classes and field trips are included.

490. READINGS IN HOME MANAGEMENT. Spring. Credit two hours. Primarily for doctoral candidates. Department staff.
Two-hour discussion period to be arranged. Review of literature related to home management.

495. ECONOMIC PROBLEMS OF FAMILIES. Fall. Credit two hours. Primarily for doctoral candidates. Miss ROLLINS.
F 2-4. Room 108.
Analysis of a few outstanding contributions to economic thought related to this field. Examination of methods of research.

499. SEMINAR. Fall and spring. Department staff.
T 4. Room 114.
Planned to orient students to graduate work in the field, to keep students and faculty abreast of new developments and research findings, to acquaint them with subject matter in related areas, and to provide opportunity to examine and discuss problems of the field.

Note: Students who are preparing for certification for teaching in secondary schools may, on recommendation of the counselor and approval of the instructor, register for reduced credit in the following courses while in residence in the Home Management Apartments: H.E.M. 260, 310, 320, 330.

HOUSING AND DESIGN

VIRGINIA TRUE, *Head*; Mrs. JULIA B. ADLER, GLENN H. BEYER, LEWIS L. BOWER, HELEN J. CADY, Mrs. RUTH B. COMSTOCK, CLARK E. GARNER, CAROL RUTH KREDELL, RUBY M. LOPER, G. CORY MILLICAN, SARAH E. NEBLETT, CLARA STRAIGHT, A. LORRAINE WELLING. ———.

The Department of Housing and Design offers courses in design, interior design, and housing. *Housing courses* are planned to develop awareness of contributions the house, its design, and environment make to individual and family living; and to examine critically facts and theories of housing within the present economic and social structure. *Design courses* provide opportunity to explore basic concepts of design and to develop creative abilities and artistic judgment. *Interior design courses* are planned to develop a foundation of aesthetic acuteness and practical knowledge necessary for designing house interiors.

All students are required to take 100, 147, 220. The undergraduate who wishes preprofessional preparation should take one additional course in each area, then should choose work which emphasizes one (design, interior design, or housing). The program should consist of a minimum 18 credit hours in department courses, in addition to the 6 required. As the study of housing and design is closely allied to the fine arts and social sciences, electives should include related subjects in *anthropology, architecture, economics, fine arts, history of art, sociology, psychology*.

Graduate work for the M.A. degree is offered in housing and design, and for the Ph.D. degree

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in the socio-economic and family aspects of housing (see *Announcement of the Graduate School*).

The Department of Housing and Design maintains an art gallery-lecture room which has exhibitions from professional sources of current work in residential architecture, interior design, crafts, painting, and industrial design.

***100. FUNDAMENTALS OF DESIGN.** Fall and spring. Credit three hours. Sections limited to 15 students each. Mrs. ADLER, Miss CADY, Mr. MILLICAN, Misses NEBLETT, and STRAIGHT.

Fall

M W 8-11, Room 408
T Th 9-12, Rooms 318, 401B
T Th 1:40-4:30, Rooms 318, 322, 401B
W F 8-11, Room 327

Spring

M W 8-11, Rooms 327, 408
M W 10-1, Room 401B
T Th 9-12, Rooms 318, 327
T Th 1:40-4:30, Rooms 318, 401B

An exploration of the basic elements of design (volume, plane, line, texture, color, motion, light, etc.) through an analytical examination of their varied properties and qualities. Studio assignments are intended to develop consciousness of these elements and sensitivity in their use. The student is en-

couraged to develop his visual experience by investigating the vast possibilities in the organization of lines, planes, textures, and colors, and to exercise his intellectual curiosity in the search for universal principles of design. Minimum cost of materials, \$7.

***147. FUNDAMENTALS OF HOUSING.** Fall and spring. Credit two hours. Mr. BOWER. W F 11 or 2. Room 121.

A general survey of housing designed to acquaint the student with contributions the house and its environment are capable of making to individual and family living.

The roles the homemaker plays in the housing process as consumer and citizen are examined in relation to such human factors as the family life cycle, socio-economic status, attitudes, and values. Consideration is given to the housing market and building industry, selecting and financing the home, the part played by various housing specialists in the housing process, problems of home ownership, the implementation and effects of current housing legislation, and future housing needs.

Individual conferences are an important part of the Housing and Design program.

200. DESIGN. Fall. Credit three hours. Prerequisite, H.D. 100 or equivalent. Limited to fifteen students. Miss STRAIGHT. M W 10-1. Room 322.

A continuation of H.D. 100. Both two- and three-dimensional design are studied, using a variety of media and techniques.

220. FUNDAMENTALS OF INTERIOR DESIGN. Fall and spring. Credit three hours. (Three hours of work in studio required in addition to class period.) Prerequisite, H.D. 100. Limited to 15 students in each section. Mrs. ADLER, Miss CADY, Mr. MILLICAN, and Miss WELLING.

Fall

T Th 9-12, 10-1, Rooms 327 and 401A
W F 10-1, Room 401A

Spring

T Th 9-12, Room 401A
T Th 10-1, Room 408

A study of design as applied to residential architectural space. Interior designing based on family and individual needs involving the combination of furniture, fabrics, lighting, accessories, color, and architectural materials. Illustrated lectures, discussions, and drafting techniques offered as background





Laboratory in interior design.

information and tools for solving interior design problems.

235. INTERIOR DESIGN FOR LIMITED SPACE AND BUDGET. Fall. Credit three hours. Limited to 15 students. Prerequisite, H.D. 220. Instructor's signature required at preregistration. Miss NEBLETT. M W F 11-1. Room 401B. Three additional hours of supervised work in studio required. Students anticipate furnishing problems of the young couple faced with limited space and budget. Practice in furniture arrangement, selection, and restoration, and designing and constructing simple furniture and accessories. Minimum cost of materials, \$10.

240. HOUSE PLANNING. Fall and spring. Credit three hours. Prerequisite, H.D. 220. Limited to 15 students. Mr. MULLICAN. M W F 9-11. Room 318. An introduction to house design. Drafting-room work consisting of plan and model studies of house and site. Lectures, discussions, required reading.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Department staff. For students recommended by counselors and approved by the head of the department and the instructor in charge for independent, advanced work on a problem not dealt with

by other courses in the department, or for special arrangement of course work necessitated because of previous training. Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

301. DESIGN. Fall and spring. Credit three hours. Prerequisite, H.D. 200. Instructor's signature required at preregistration. Misses NEBLETT and STRAIGHT.

Fall

T Th 10-12, Room 401B
T Th 2-4, Rooms 322, 401B

Spring

T Th 10-12, Room 401B
T Th 2-4, Room 401B

Offers a limited number of seniors opportunity to further explore and develop basic design problems on an advanced level.

311A. TEXTILE DESIGN. Fall. Credit three hours. Prerequisite, H.D. 100. Miss STRAIGHT. T Th 9-12. Room 322.

In alternate years textile design for (A) print processes, and (B) weaving, will be presented. This year the term project will be



Study of three-dimensional design.

(A) printing. Class limited to 15 students. Minimum cost of materials, \$10.

- [311B. **TEXTILE DESIGN.** Fall. Credit three hours. Prerequisite, H.D. 100. Miss Cady. T Th 9-12. Room 408. In alternate years textile design for (A) print processes, and (B) weaving, will be studied. (B) weaving will not be offered in 1963-1964.]

319. **CONTEMPORARY DESIGNERS.** Spring. Credit three hours. Prerequisite, H.D. 220 or equivalent. Miss True. T Th 10:30-12. Room 317. Analysis of works of selected contemporary designers; comparison of the purposes and philosophies which affect design form and expressive content. Artists' work chosen from painting, architecture, and related design fields to accent the interrelation of design in the various fields. Field trip to New York City galleries and museums.

320. **HISTORIC FURNITURE AND INTERIOR DESIGN.** Fall. Credit three hours. Prerequisite, H.D. 100. This is the first course of a two-course sequence, the second of which is 322. Miss Welling. M W F 8. Room 317. A study of changes in furniture and interior design (form and structure) reflecting the

changing cultural framework of Western civilization through the eighteenth century.

322. **HISTORIC FURNITURE AND INTERIOR DESIGN.** Spring. Credit three hours. Prerequisite, H.D. 320. Miss Welling. M W F 8. Room 317.

A critical examination (beginning with the seventeenth century) of the emergence and development of contemporary furniture and interior design in America, with special consideration of technological growth.

325. **INTERIOR DESIGN.** Fall. Credit three hours. Prerequisite, H.D. 220. Limited to 15 students. Miss Cady. M W F 11-1. Room 408. Three additional hours of work required.

Interior design problems in evaluation of design qualities of furnishings and materials. Room schemes developed in accordance with the architectural design of the house and family use. Sketches, working drawings, presentation drawings for major projects. Field trip to New York City (approximate cost, \$30). An equivalent experience may be arranged.

326. **INTERIOR DESIGN.** Spring. Credit three hours. Prerequisite, H.D. 325. Limited to 15 students. Mrs. Adler, Miss Cady, Mr. Millican, Misses Neblett and Welling. W F 1:40-4:30. Room 408.

A continuation of H.D. 325. Special units are taught by participating staff.

339. SEMINAR IN DESIGN. Spring. Credit three hours. For upperclassmen and graduate students. Instructor's signature required at preregistration. Mrs. ADLER. W 2-4. Room 327.

[348. HUMAN FACTORS IN HOUSING. Fall. Credit three hours. Prerequisite, H.D. 147. Mr. BOWER. M W F 9. Room 301. A critical analysis of the influence of such factors as family life cycle, socio-economic status, attitudes, values, and preferences on housing requirements. Special treatment of current problems, such as housing needs of the aged, low-income families, and certain ethnic groups. Not offered in 1963-1964.]

349. HOUSING: SUPPLY. Spring. Credit three hours. Prerequisite, H.D. 147. Mr. BOWER. M W F 9. Room 301. Certain theories and concepts in housing. Problems of suburbanization and city growth; neighborhood factors and community facilities; importance of housing finance; influence of government policies.

400. SEMINAR IN CURRENT HOUSING PROBLEMS. Spring. Credit three hours. Registration by permission of the instructor, based upon student's training, experience, and interest. Instructor's signature required at preregistration. Mr. BEYER. M 4-6. Room 105, M.V.R. Annex.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff. For graduate students recommended by their chairmen and approved by the head of the department and the instructor in charge for independent, advanced work.

407. THESIS AND RESEARCH. Fall and spring. Registration with permission of the instructor. Mrs. ADLER, Mr. BEYER, Mr. BOWER, Miss CADY, Mr. MILICAN, Misses NEBLETT, TRUE, and WELLING.

[447. FUNDAMENTALS OF HOUSING. Fall. Credit three hours. Graduate section of H.D. 147. Consult with instructor prior to registration. Mr. BOWER. W F 11 or 2. Room 121. Additional hours to be arranged. Not offered in 1963-1964.]

INSTITUTION MANAGEMENT

Mrs. MARY K. BLOETJES, *Head*; ALICE BURGOIN, CAROL CONNAUGHTON, RITA CONNELLY, KATHLEEN CUTLAR, MARIE KNICKREHM, KARLA LONGRÉE, LENORA MORAGNE, DOROTHY PROUD, Mrs. NANCY TIGNER.

The undergraduate program in Institution Management is designed for students who wish to prepare for dietary positions in food service, including those in hospitals, colleges, universities, and public schools. In addition, the program is designed for the student who wishes to meet the requirements for a postgraduate dietetic internship.

The department aims to provide the students with opportunity: 1) to understand the principles of scientific management underlying quality and quantity food production and service; 2) to apply or translate these principles to provide the efficient and economical operation of food service departments; and 3) to translate the nutritional needs of the individual into quantity food service.

Students who major in institution management will complete the following undergraduate courses totaling 16 to 18 credit hours: Food and Nutrition 215, Institution Management 220, 319, 325 and the balance of the requirements from Industrial and Labor Relations 450, Institution Management 241 and 327.

A summer practicum is required for students majoring in Institution Management and those who plan to meet the requirements of the American Dietetic Association (see page 24).

106. INSTITUTION FOOD SERVICE OPERATIONS. Fall. Credit two hours. May be elected by any undergraduate. Recommended for students who wish to explore the fields of school lunch management, hospital dietetics, and related professions. Miss CONNAUGHTON. T Th 11. Room G-62.

Designed to orient the student in the field of institution management and the professional opportunities for persons trained in this field. A survey of hospital organization, organization of the national school lunch program, and other institutions operating food service departments. A basic introduction to the major courses offered in the

Department of Institution Management is given to familiarize the student with the field.

Field trip will be arranged. Estimated cost, \$4.

220. FOOD SELECTION AND PURCHASE.

Fall and spring. Credit three hours. Preferably taken in the junior year. May be taken in the sophomore year on the recommendation of the class counselor. Advised for all students specializing in institution management or dietetics; suggested for students preparing for positions in teaching, extension, food promotion, or home service. Miss CONNELLY.

Lectures and discussion, T 9, Th 9-11. Room G-62.

A discussion of sources, standards of quality, grades, methods of purchase, care, and storage of various classes of food. A one-day trip will be included. Estimated cost, \$4.

241. MANAGERIAL ACCOUNTING FOR DIETITIANS. Spring. Credit three hours.

Miss CONNAUGHTON.

M W F 12. Room 124.

A survey of basic accounting principles underlying financial statements. Emphasis is directed toward the interpretation and use of accounting records in the administration of a dietary department.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Misses CUTLAR and BURGOIN.

For students recommended by counselors and approved by the head of the department and the instructor in charge for independent, advanced work on a problem not dealt with by other courses in the department, or for special arrangement of course work necessitated because of previous training. Students must prepare two copies of a description of the problem they wish to undertake. One, signed by the instructor directing it and the head of the department, must be filed with preregistration materials. The second copy is left with the instructor. Obtain form to be used in Room 135.

319. THEORY OF QUANTITY MENU ITEM PRODUCTION AND SERVICE. Fall. Credit three hours.

For students preparing for the administration of hospital dietary departments, school lunch programs, promotional work with food industries, and extension service. Prerequisite, F.N. 215 or 216. Mrs. BLOETJES and Miss MORAGNE. M W F 10. Room 124.

Principles of processing, production scheduling, equipment operation, and labor cost control will be emphasized in relation to menu items prepared in quantity for in-

stitutions. Provides a basic understanding of the production aspects of quantity menu items and will be coordinated with the students' summer practicum experience.

325. PRINCIPLES OF INSTITUTION ORGANIZATION AND MANAGEMENT. Fall.

Credit two hours. Primarily for seniors. Advised for all students specializing in institution management, dietetics, or school lunch supervision. Prerequisites, I.M. 220 and 319. Miss KNICKREHM.

M F 2. Room 124.

Principles of organization and management of the food service department, analysis and interpretation of major administrative problems, and the application of business management techniques and methods of control to the operation of the food service department will be stressed. A one-day field trip to typical organizations is planned. Estimated cost, \$4.

327. INSTITUTION FOOD SERVICE EQUIPMENT. Fall. Credit two hours.

For juniors and seniors interested in institution management. Prerequisite, I.M. 319. Miss CUTLAR.

W 2-4. Room 124.

The selection and layout of institution food service equipment in relation to production requirements, materials, and utility. A one-day field trip to a restaurant equipment firm and typical institution kitchens is planned. Cost of trip, \$5.

328. SCHOOL LUNCH MANAGEMENT.

Spring. Credit two hours. Prerequisite, I.M. 319. Miss BURGOIN.

T Th 2. Room G-62.

A survey course of the national school lunch program including organizational structure, cost control record keeping, special management procedures that are concerned with the nutritional aspects of the school lunch operation on the local level. Analysis of monthly reports and reimbursement controls for the Type A lunch and the special milk program will be furnished.

A minimum of two field trips will be required for study of active school lunch programs.

350. INSTITUTION PRACTICE. Fall and

spring. Credit three hours. Open to a limited number of seniors and graduate students majoring in institution management, with the permission of the instructor. Practice assignments require approximately 10 hours a week for the full semester. Conference hour to be arranged. Students will meet with the instructor the first day of the term, 4-5. Room G-69. Miss BURGOIN.



Calculation of budget and cost control records.

Practice work in one of the food service units on the campus or at the Tompkins County Hospital. Students are assigned specific jobs in the unit and rotated to the extent that this is possible without jeopardizing the flow of work. Students receive meals when on the job, or an equivalent cash wage.

403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS. Fall and spring. Credit and hours to be arranged. Department staff.

For graduate students recommended by their chairmen and approved by the head of the department and the instructor in charge for independent, advanced work.

407. THESIS AND RESEARCH. Fall and spring. For graduate students with training and experience satisfactory to the instructor. Hours to be arranged. Mrs. BLOETJES, Misses BURGOIN, CUTLAR, KNICKREHM, and LONGRÉE.

410. SEMINAR IN DIETARY AND FOOD SERVICE ADMINISTRATION. Spring. Credit one hour. Required of all graduate students in the department. Department staff.
W 4. Room G-62.

419. THEORY OF QUANTITY MENU ITEM PRODUCTION AND SERVICE. Fall. Credit three hours. Graduate section of I.M.

319. Instructor's signature required for pre-registration. Mrs. BLOETJES.
M W F 10. Room 124.

420. FOOD SELECTION AND PURCHASE.

Fall and spring. Credit three hours. Graduate section of I.M. 220. Instructor's signature required for preregistration. Miss CONNELLY. Lecture and discussion, T 9, Th 9-11, and one additional hour to be arranged. Room G-62. (See description of I.M. 220.)

425. ADVANCED ORGANIZATION AND MANAGEMENT. Fall. Credit two hours.

Instructor's signature required for preregistration. Miss BURGOIN.
T Th 2. Room G-62.

Analysis and interpretation of major administrative problems in the operation of a dietary department. Scientific application of business management, budgetary, and production control principles are studied in relation to quantity meal service.

427. ADVANCED FOOD SERVICE EQUIPMENT. Fall. Credit two hours. Miss CUTLAR.

M F 3. Room 124.
Selection and planning for layout of food production and service equipment for hospitals, schools, and restaurant kitchens. Adaptation of work simplification techniques as developed in industry to studies



Study of floor plans and equipment layout for institutional kitchens.

of activities in large-quantity kitchens. Field trips to typical institution kitchens are planned. Cost of trips, \$5.

428. SCHOOL LUNCH MANAGEMENT.

Spring. Credit two hours. Graduate section of I.M. 328. Instructor's signature required for preregistration. Miss BURGAIN.

T Th 2, and one additional hour to be arranged. Room G-62.

[429. SANITARY ASPECTS OF MENU ITEM PREPARATION IN QUANTITY.

Spring. Credit two hours. Prerequisite, a course in general bacteriology. Open to seniors with adequate background. Instructor's signature required for preregistration. Miss LONGRÉE. W 2-4. Room G-62. Topics will include sources of food contamination, holding con-

ditions as they affect bacterial multiplication, and principles of sanitary handling and holding of ingredients and menu items, as they apply to hospital and school food services. Emphasis will be placed on the presentation of recent research data. Not offered in 1963-1964.]

440. QUALITY AND QUANTITY FOOD CONTROL.

Spring. Credit two hours. Prerequisites, I.M. 220, 241, and 319. Open to seniors by special permission. Mrs. BLOETJES.

M F 2. Room 3-M-11.

The integration of production quantities, purchase standards, account classifications, and distribution control based on standard proportioned menu items. Emphasis on the use of punched cards and their control value.

TEXTILES AND CLOTHING

Mrs. CHARLOTTE BAUMGARTNER, *Head*; Mrs. MADELINE C. BLUM, NANCY CONKLYN, MARGARET HUMPHREY, Mrs. BARBARA JAMBA, Mrs. SUZANNE LOWRY, Mrs. FRANCES McFADDEN, Mrs. JEAN McLEAN, Mrs. ELSIE McMURRY, Mrs. MARY RYAN, FRANCES SPRATT, EVELYN STOUT, VIVIAN WHITE, SHIRLEY WILSON, FRANCES E. YOUNG.

The Department of Textiles and Clothing aims to assist students in developing discrimination in the choice of textiles and apparel, in increasing creative abilities and acquiring aesthetic

judgment, in becoming familiar with the chemical and physical properties and aesthetic qualities of textiles important to the consumer in the purchase and maintenance of clothing and textile furnishings, in making intelligent use of market facilities in the buying of apparel, in understanding the relation of clothing to human behavior, and in becoming aware of family clothing practices and their relation to family resources and needs.

The undergraduate student who wishes preprofessional training will be expected to take the department major: Textiles and Clothing 141, 170, and 210, and an additional nine hours distributed in the two areas of textiles and clothing.

The study of textiles and clothing is closely related to the physical sciences, the social sciences, and the humanities, and therefore, courses in *chemistry, physics, mathematics, economics, psychology, sociology, anthropology, history, fine arts, and history of art* will contribute materially to the work in this department.

141. PRINCIPLES OF CLOTHING CONSTRUCTION AND SELECTION. Fall and spring. Credit three hours. Each section limited to 16 students. Miss WILSON and Mrs. LOWRY. Room 215, all sections.

Fall	Spring
M W 1:40-4:30 (2 Sec.)	M W F 11-1
M W F 11-1	M W 1:40-4:30
T Th 1:40-4:30	T Th 8-11
	T Th 1:40-4:30

A study of the principles of clothing construction and their application to various fabrics and designs. Students are expected, as a result of the discovery and understanding of these principles, to be able to apply them to the solution of totally new problems. In the laboratory experience, involving the selection and execution of individual projects, students may select challenging, creative problems.

***170. TEXTILES.** Fall and spring. Credit three hours. Each section limited to 20 students. Miss WHITE and Mrs. LOWRY. Lecture, T Th 11. Amphitheatre. Laboratories are as follows (Room 234 all sections): M 2-4, T 8-10, Th 8-10 or 2-4, F 2-4. One additional hour of laboratory work required.

An introduction to the study of textiles as one of the world's oldest crafts and as one of its major industries today. Emphasis is placed on the properties of textile materials in relation to their end uses, and in particular those uses where aesthetic qualities are required; where mechanical properties are important; where chemical, thermal, and other kinds of degradation are factors; and where launderability and cleanability are essential. Students are encouraged to independently explore the characteristics of a wide variety of textiles. Field trips to nearby areas may be planned; total cost to students not to exceed \$3.

210. DESIGN AND COLOR IN APPAREL. Fall and spring. Credit three hours. Pre-

requisites, T.C. 141 and 170, and Housing and Design 100. May be elected by students from other colleges in the University who are approved by the instructor as having equivalent prerequisites. Each section limited to 18 students. Mrs. McMURRY. Lecture, Th 8. Room 117. Laboratories are as follows (Room 216, all sections):

Fall	Spring
M W 11-1	T Th 11-1
T Th 9-11 or 2-4	T Th 2-4

Opportunity is provided for experiences which help the student to develop understanding of the basic concepts and principles of design and color as applied to apparel, understanding of the creative process in apparel design, and ability to help people with such problems of clothing selection as involve aesthetic judgment. Course includes the development of a design, considering the interrelationships of aesthetic principles, function, materials, and technical procedures; the writing of an essay based upon reading and class discussion; and consultation with individuals of various ages who have particular needs in clothing design.

215. APPAREL DESIGN: FLAT PATTERN DESIGNING. Fall and spring. Credit three hours. Especially valuable for students intending to teach. Prerequisites, T.C. 141 and 170, and Housing and Design 100. Each section limited to 16 students. Misses HUMPHREY and SPRATT. Room 217, all sections.

Fall	Spring
M W 1:40-4:30	M W 1:40-4:30
T Th 8-11	T Th 1:40-4:30

Principles of flat-pattern designing as they relate to the use of fabric on a three-dimensional form. Application of the principles of flat-pattern designing to the development of design ideas for apparel, and to the sizing and alteration of ready-to-wear clothing. Students will develop and use a master pattern in executing design ideas.



Laboratory work in textile science.

250. APPAREL DESIGN: DRAPING. Fall and spring. Credit three hours. Prerequisites, T.C. 210 and 215. Each section limited to 16 students. Miss SPRATT. Room 217, all sections.

Fall
T Th 1:40-4:30

Spring
T Th 9-12

Offers a creative environment for the exploration and development of apparel design. Problems are chosen by the student which will contribute to the further development of her creative abilities and aesthetic judgment. Emphasis is on the interrelated factors of material, design, and form. Design problems are approached through draping on a dress form made by the student to her measurements.

300. SPECIAL PROBLEMS. Fall and spring. Credit and hours to be arranged. Department staff.

For students recommended by counselors and approved by the head of the department and the instructor in charge for independent, advanced work not otherwise provided in the department; or for special arrangement of course work necessitated because of previous training. Students must prepare two copies of a description of the problem they wish to undertake. One, signed

by the instructor directing it and the head of the department, must be filed with the preregistration material. The second copy is left with the instructor. Obtain form to be used in Room 135.

330. HISTORY OF COSTUME. Fall. Credit three hours. For upperclassmen and graduate students. Mrs. McMURRY.

M W F 2. Room 117.

A comparative study of dress of selected cultures from ancient times to the present, emphasizing the social, political, and economic factors which affect dress and the mores expressed through dress, the development of apparel forms and decoration as related to the interaction of peoples. Opportunity is given to use primary sources exemplified by the Costume Collection and the Regional History Collection.

345. APPAREL DESIGN: TAILORING PROCESSES. Fall and spring. Credit three hours. Prerequisite, T.C. 215. Limited to 16 students. Miss HUMPHREY.

T Th 9-11, Room 213. Two additional hours of work in laboratory required.

Design in apparel achieved through structural potentials of fabric, combination of fabrics; processes adaptable to the physical characteristics of fabrics in relation to cost,

style, and use. Provides opportunity for students to explore and create processes relative to types of fabrics; to judge processes objectively in terms of achieving design qualities; to exercise judgment in choice of process in relation to end use.

- 351. APPAREL DESIGN: DESIGNERS' PROBLEMS.** Spring. Credit three hours. Prerequisite, T.C. 250; T.C. 373 desirable. May be taken preceding or following T.C. 355 but not parallel. Miss HUMPHREY. T Th 2-4. Room 213.

Methods of developing apparel design ideas adaptable to present-day mass production methods. Development of designs for various levels of production costs and various categories of apparel. Studio work involves independent investigation on the part of the student in the area of her specialized interest. Lectures, discussions, field trips. Students are responsible for field trip expenses.

- 355. DESIGN AND COLOR IN APPAREL: ADVANCED COURSE.** Spring. Credit three hours. Prerequisite, T.C. 250; prerequisite or parallel, Housing and Design 200. Mrs. McMURRY.

M W 2-4. Room 216. Approximately two additional hours of laboratory work required.

Selected problems in designing apparel will provide opportunity to solve the interrelated problems in the development of a design set by such factors as the materials and technical procedures. A two-day trip to New York to study designers' collections and museum exhibits is arranged when feasible. Students are responsible for transportation and living expenses.

- 370. TEXTILE FURNISHINGS.** Spring. Credit three hours. For home economics, hotel administration, and other students. Lecture-demonstration-discussion. Miss STOUT.

M W F 11. Room 339.

Brief survey of world trade conditions and influence on textile supplies and markets. United States textile fibers, classification, and general properties. Types and qualities of widely used textile furnishings such as blankets, sheets, towels, table linen, mattresses, rugs, drapery and upholstery fabrics, and curtains. Methods of manufacture and marketing specific to the production and distribution of these articles. Specifications, standards, and federal and state legislation pertaining to their sale and use. Relation of fiber, finish, and processing to price, specific end-use, and maintenance.

- 373. NEW DEVELOPMENTS AND TRENDS IN TEXTILES.** Fall. Credit one hour. Pre-

requisite. T.C. 170 or 370 or equivalent. Miss STOUT.

M 12. Room 278.

Lecture and discussion. For students who have some knowledge of textiles and who wish information on new developments, particularly those of importance to consumers.

- 375. TEXTILES: TESTING AND EVALUATION.** Fall. Credit two hours. Prerequisite, T.C. 170 or 370 or equivalent; prerequisite or parallel, T.C. 373. Miss STOUT.

W F 11-1. Rooms 278, 280, 277A.

A series of cooperative class problems chiefly involving procedures for evaluating the physical properties of fabrics and the performance of testing equipment. Laboratory work includes use of various testing instruments and standard or approved test methods of the American Society for Testing Materials and the American Association of Textile Chemists and Colorists, as well as some experimental test methods. Research methods of analyzing and interpreting data and of presenting reports.

Study of the cultural aspects of costume.



- 377. TEXTILE FIBERS AND THEIR PROPERTIES.** Spring. Credit three hours. Prerequisites, T.C. 170, Physics 101-102 or 201-202, and organic chemistry. Miss WHITE.

M W F 8. Room 234.

A study of the structure and properties of the chief natural and man-made fibers.

- 401. RESEARCH METHODS IN TEXTILES AND CLOTHING.** Fall. Credit three hours. Mrs. RYAN and department staff.
W F 9. Room 301.

A review of various areas for research in textiles and clothing and consideration of appropriate techniques. Each student will carry out a minor research problem under the direction of a staff member and report her progress to the class at various stages.

- 403. SPECIAL PROBLEMS FOR GRADUATE STUDENTS.** Fall and spring. Credit and hours to be arranged. Department staff. For graduate students recommended by their chairmen and approved by the head of the department and the instructor in charge for independent, advanced work.

- 407. THESIS AND RESEARCH.** Fall and spring. Registration with permission of the instructor. Department staff.

- 408. SEMINAR IN TEXTILES AND CLOTHING.** Fall and spring. Department staff.
F 4. Room 117.

- 430. SEMINAR: CLOTHING AS RELATED TO HUMAN BEHAVIOR.** Spring. Credit three hours. Upperclassmen by permission of instructor. Mrs. RYAN.
T Th 2. Room 301.

A critical review of literature concerned with social-psychological aspects of clothing, with emphasis on methods of approach. The formulation and planning of a problem in this field.

- 473. SEMINAR: FUNCTIONAL PROPERTIES OF TEXTILE MATERIALS.** Fall. Credit two hours. Graduate students or advanced undergraduates admitted by permission of instructor. Miss WHITE.
W F 8. Room 234.

Critical review of research literature concerned with functional or end use requirements of textile materials.

- 477. FIBER SCIENCE.** Spring. Credit two hours. Prerequisite or parallel, T.C. 377. Admission by permission of instructor. Miss WHITE.
W F 9-11. Room 234.

Laboratory investigation of physical and chemical properties of textile fibers.

- 478. SEMINAR IN TEXTILES.** Spring. Credit one hour. Seniors by permission of instructors. Misses STOUT and WHITE. Time to be arranged. Room 278.

Critical discussion of research literature. Class activities may include panel discussion, field trips, reports by students, staff, or others with special knowledge in certain areas of the textile field.

Note: Students who are preparing for certification for teaching in secondary schools may, on recommendation of the counselor and approval of the instructor, register for reduced credit in the following courses while in residence in the Home Management Apartments: T.C. 375, 430.

COURSES TO MEET UNIVERSITY REQUIREMENTS IN PHYSICAL EDUCATION FOR WOMEN

All undergraduate students must complete four terms of work in physical education.

The requirement in physical education is a requirement of the first four terms, and postponements are to be allowed only by consent of the Committee on Requirements for Graduation, through the representative in the College Secretary's Office.

Exemptions from the requirement may be made by the University Faculty Committee on Requirements for Graduation when it is recommended by the Cornell medical staff or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted.

For students entering with advanced standing, the number of terms of physical education required is to be reduced by the number of terms which the student has satisfactorily completed, not necessarily including physical education, in a college of recognized standing.

REQUIRED ACTIVITY: Elementary Dance. Gymnastic Movement or Individual Gymnastics is substituted when recommended by the medical or physical education staff.

OTHER ACTIVITIES: Archery, badminton, basketball, bowling, canoeing, equitation, fencing, field hockey, figure skating, golf, judo, modern dance, riflery, senior life saving, square and folk dance, swimming, tennis, volleyball, water safety instruction.

Consult the Department of Physical Education for information concerning elective courses in *Advanced Dance* for academic credit.

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