

CHILDREN'S RESEARCH UNIVERSITY



MASTER OF SCIENCE (HOME SCIENCE)

FOODS AND NUTRITION

**TWO YEARS PROGRAMME
(Choice Based Credit System)**

DEPARTMENT OF PG PROGRAMME

CENTER OF EDUCATION

**CHILDREN'S RESEARCH UNIVERSITY
GANDHINAGER GUJARAT,
INDIA**

W. EF. JUNE- 2024

Outlines (M.Sc FN Two years / Four semester course)

Master of Science (Home Science) Foods and Nutrition (M.Sc FN) is a four semester professional programme in the field of Foods and Nutrition objective of these courses is to prepare the students as proficient practitioners of food and nutrition care by providing the best education and research as well as field experiences in the subjects related to Food and Nutrition. The completion of the programme shall lead M.Sc. degree with specialization in Foods and Nutrition

Aims of the programme

The Two years M.Sc FN programme is designed to provide opportunities to extend as well as deepen thorough understanding of various dimensions of Foods and Nutrition selected thrust areas, and also develop research capacities, leading to specialization in maternal and child nutrition and Dietetics among the students.

Objectives of the Programme:

1. To acquire skills to undertake systematic and independent research in the area of Foods and Nutrition & Child Health Nutrition.
2. To impart knowledge related to fundamentals of Biochemistry, Medical Nutrition Therapy, Food Science, Community Nutrition and Food Quality Assurance through theoretical and practical skills
3. To train the students to take up jobs in nutrition related state, national and international health and welfare programmes.
4. To familiarize the students with government programmes and schemes related to Maternal & Child Health Nutrition..
5. To enable them to understand the application of the recent knowledge of nutrition
6. To enable students to know about the importance of breast milk, Supplementary and weaning food and health and nutrition of mother and child.
7. To enable them to understand the condition of severe-acute malnutrition (SAM) and its management

Duration

The M.Sc FN programme shall be of duration of four semesters including Internship for a minimum of 4 weeks and research dissertation. Students shall be permitted to complete the programme requirements of the two-year programme within a maximum period of THREE years from the date of admission to the programme. The semester break should be used for the research and field based activities.

In all, 16-18 weeks in each semester exclusive of the period of admission and inclusive of classroom transaction, practical, field Visits and examination.

The Department shall work for a minimum of thirty hours in a week (five of six days) during which faculty members and students concerned with the conduct of the programme shall be available for research guidance, academic inputs and discussion. The minimum attendance of students shall be 80% for theory courses and Practical and 90% for Field Attachment.

Eligibility Criteria

B.Sc. FN/Clinical Nutrition &Dietetics/B.Sc. Home Science /B. A. Home Science/B. R. S. Home Science

Mode of Instruction and Execution of the course

In all, theory papers & practical and research are major sections of the course. The mode of instruction and execution of the same are as follows.

Theory Papers & practical:

The mode of instruction for the theory papers is regular face to face interaction and teaching through lectures and interactive participatory modes. Workshops and seminars for the selected points from each theory course will be carried out.. The practicum/assignment will be assigned under each theory paper. The weightage for the internal assessment (internal theory and practical) is 30% ie 30 marks for each paper of 100 marks. Out of 30 marks for internal assessment, 20 marks for internal theory and 10 marks for Assignment/Seminar are allotted.

Research

Carrying out a research as a dissertation is compulsory part in the course. The researcher will be allotted the research guide and the researcher will have to carry out the research under his/her guidance in the stipulated time. The weightage for the research course is 8 credits &

200 marks. In the fourth semester including external viva voce in the M.Sc FN. course. the students will be oriented about their research and allotted the research guide.

Standard of Passing Examination & Evaluation Criteria

To pass the M.Sc FN. Semester Examination candidate must

- (a) Obtain at least 40% of marks in each course in the internal assessment as well as at the external examination.
- (b) Obtain at least 40% of marks in dissertation in the internal assessment as well as at the external examination.
- (c) The performance of a student in a course is evaluated based on (i) continuous assessment of theory and/or /practical work and (ii) end-semester theory and/or /practical examinations.
- (d) The end- semester theory examination in a course has a weightage of 70 percent of theory marks. The remaining 30 percent of theory marks will be awarded through continuous assessment, internal theory examination carried out during the semester.
- (e) A student who remains absent or fail in any of the internal/ external semester end examinations shall be awarded with zero marks in the respective mid semester examination.
- (f) However, if a student remains absent due to any of the following genuine reasons, for such students a special examination may be conducted by the department and marks obtained in the special examination will be considered as marks of the mid semester examination in which he/she has remained absent. Such student should obtain prior approval from the Principal.
- (g) A student is critically ill or injured. (Student or his/her relative shall get prior approval)
- (h) Death of direct blood relation relative. (Student or his/her relative shall inform to Head/Principal immediately after the incident.
- (i) A student representing Gujarat state in national level events and/or India in international events organized by official boards.

- (j) No student shall be allowed to appear in the end semester examination of a course unless he/she has scored at least 30% marks in mid semester examination and will be Considered in “NOT PERMITTED TO APPEAR (NPTA)” status for the respective course and letter grade “NA” will be awarded Obtaining 40% marks in each paper is must. A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

CRITERION FOR AWARDING GRADING SYSTEM

CRITERION FOR AWARDING SGPA AND CGPA: The criterion for awarding the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) for M.Sc FN. programme shall be as follows:

- a) The criterion for passing in a subject is that a student should secure minimum 40% marks in individual paper.
- b) A student obtaining less than passing marks as specified above, in each subject (sum of internal and End-Term examinations) s/he will be declared fail in that subject and will have to re-appear in an End-Term examination of the course in subsequent odd / even semester end term examination, subject to maximum permissible period of 8 semesters to complete the course.
- c) The University has adopted Absolute Grading System for converting marks into grades.
- d) The formula of 10- point grading system for conversion of marks obtained into Letter Grades and converting Letter Grades to Grade Point is given below: Table 1:

Marks, Letter Grades and Grade Points

Marks in Percentage	Letter Grade	Grade Point
91 – 100	O (Outstanding)	10
81 – 90	A+ (Excellent)	9
71 – 80	A (Very Good)	8
61 – 70	B+ (Good)	7
51 – 60	B (Above Average)	6
46 – 50	C (Average)	5
40 – 45	P (Pass) *	4
0 -39	F (Fail)	0

Note: Candidates having less than 40% internal marks in each theory paper, practicum and practice teaching will not be permitted to appear in the external theory examination.

***Passing Marks ;M.Sc FN.(Gujarati Medium) 40% in individual paper**

d) While converting the marks into Letter Grade, the rounding off marks must be considered.

e) A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

The Comprehensive Structure of the Course is as below

Semester	Credit	Internal	External	Total
First	20	150	350	500
Second	20	150	350	500
Third	20	150	350	500
Fourth	20	150	350	500
Grand Total	80	600	1400	2000

CHILDREN'S RESEARCH UNIVERSITY COURSE TEMPLATE

SEMESTER-WISE DISTRIBUTION OF CREDITS FOR PG FN COURSES 2024

Course No.	Course Title	Credits
Semester I	Certificate in Food and Nutrition	
CCFN 101	Human Nutrition	4
, CCFN 102	Diet Therapy	4
CCFN 103	Practical 1 based on CCFN 101, CCFN 102, EGFN 105, ECFN 104-A Or ECFN 104-B	4
ECFN 104-A	Food Preservation and Basic Microbiology	4
Or		
ECFN 104-B	Nutritional Epidemiology	
EGFN 105	Physiology (Basic)	4
FN 106	Prerequisite Course for B.A. Home Science and B.R.S. Home Science Students Biology, Chemistry, Physics	
Semester I and II	P.G Diploma in Nutrition and Dietetics	
CCFN 201	Public Health Nutrition	4
CCFN 202	Dietetics & Diet Counseling	4
CCFN 203	Practical 2 based on CCFN 201 and CCFN 202	4
ECFN 204-A	Project / Nutritional Biochemistry	4
ECFN 204-B	/ Entrepreneurship Management	
EGFN 205	Internship	4
Semester III	SEMESTER III	
CCFN 301	Food Science	4
CCFN 302	Maternal and Child Nutrition	4
CCFN 303	Practical 3 based on CCFN 301 CCFN 302	4
ECFN 304-A	Prenatal care and Development / Journey into Childhood: Opportunities and Challenges / Instrumentation	4
EGFN 305	Research Methodology and Bio statistics	4
	SEMESTER IV	
CCFN 401	Food Production & Management	4
CCFN 402	Modern Cookery	4
CCFN 403	Practical 4 based on CCFN 401 and CCFN 402	4
ECFN 404-A	Dissertation OR	8
ECFN 404-B	Project	
TOTAL		80