

COLLEGE OF HOME SCIENCE

The History

The B.Sc. degree programme in Home Science in the University was started in 1986 through Department of Home Science in College of Agriculture. There were two streams from where the candidates were admitted as students to the degree programme namely Science Stream and arts stream. The degree programme for students admitted from science stream was for three years while for the arts stream students it was for four years. During this one year the students were taught Science subjects to make them at par with the science students. The courses taught to the students were based on the recommendation of 11th Deans Committee of ICAR. Necessary changes were made cover up all the contents related to the courses.

Manpower at inception:

Teaching faculty:-Two teaching faculty namely Renu Johar and Suman Prasad Maurya were appointed in the year 1987 followed by Abha Singh in the year 1988. They taught courses of their respective discipline namely Foods and Nutrition, Child Development and Home Management. The courses on Clothing and Textiles were independently taught by Suman Prasad Maurya and Abha Singh while the Home science extension courses were taken by the teachers of department of Extension education of the College of Agriculture.

Supporting Staffs / Non-Teaching: *The College had the support of non-teaching staffs also.*

Infrastructure at inception: - *The teaching of B.Sc. Home Science in general began in two of the laboratories of College of Agriculture. The rooms served as multipurpose utility and lecture-cum-practical laboratories for various home science subjects.*

Curriculum Changes:

The College has been changing its curriculum as per the recommendation of the ICAR Deans Committee from time to time. The curriculum of both degree programme namely undergraduate leading to degree in B.Sc. Home Science and post graduate leading to degree in M.Sc. Home Science has been revised from time to time.

Up Gradation to College from Department

With the approval from the State government, the College of Home Science in Narendra Deva University of Agriculture and Technology, (NDUAT) came into existence in 1993, on upgrading the Department of Home Science started in 1986 in College of Agriculture to College of Home Science. The College is established in the N.D. U.A. T. Campus, Kumarganj Faizabad, U.P.

THE PRESENT:

The College has five Departments to cover different areas of Home Science in teaching, research and extension. The College had five departments as follows:

Department of:

1. Food Science and Nutrition
2. Human Development and Family Studies
3. Family Resource Management
4. Textile and Apparel designing and
5. H. Sc. Extension & Communication Management.

The Faculty of the College

S.No.	Name of Faculty Member	Designation	Contact No		e-mail address
			Office	Mobile	
	Dr. Suman Prasad Maurya	Dean Home Science	05270-262137	9415720169	chsc.nduat@gmail.com
Department of Human Development					
1.	Dr. Suman Prasad Maurya	Professor and Head		9415720169	spmhdfs@yahoo.com sumanhdfs@gmail.com
Department of Family Resource Management					
1.	Dr. Abha Singh	Associate Professor	05270-262137	941574664	drabha_singh@yahoo.co.in
2.	Dr. Poonam Singh	Assistant Professor	05270-262137	9450764040	poonamsingh4673@gmail.com

Department of Food Science and Nutrition					
1.	Dr. Sadhna Singh	Associate Professor & I/C Head	05270-262137	9450766647	dolmanduat@gmail.com
Department of Home Science Extension Education and Communication Management					
1.	Dr.R.R.Yadav	Assistant Prof. & I/C Head	-----	9956338527	rryadv nduat@gmail.com
Department of Textiles and Apparel Designing					
1.	Dr. Suman Prasad Maurya	Head of Department		9415720169	spmhdfs@yahoo.com sumanhdfs@gmail.com
2.	-	Contractual Teacher			

Note: The College hires guest faculties at college in department offering professional elective courses and post graduate curriculum in every semester to maintain the quality of teaching and teaching load of the departments.

Academic Programmes at the College

The Home Science education provides an opportunity to students to acquire knowledge and skill and also empower them for effective role performance and management of resources at micro and macro level to meet the professional challenges of the technological advancements.

The College is presently running in the College are:

- 1) **Under graduate** programme leading to degree of Bachelor of Science in Home Science i.e., B.Sc. Home Science (Honours) The B. Sc programme is a Four Year Programme (2+2 system)

The core courses taught to the under graduate students are:

Basic Supporting Core Courses			
o	HPY 111	Human physiology	3(3+0)
o	HSTAT 111	Elementary Statistics	3(2+1)
o	HBIOCHEM 121	Biochemistry	3(2+1)
o	HCOMP 211	Computer Application	3(1+2)
o	HAE 221	Marketing Management	3(2+1)
o	HENG 221	English & Technical Writing	2(1+1)
Department of Human Development and Family Studies			
o	HDFS 111	Life span Development	3(2+1)
o	HDFS 121	Early Childhood Care and Development	
o	HDFS 211	Children with Developmental Challenges	3(2+1)
o	HDFS 221	Dynamics of Marriage & Family	
Department of Foods and Nutrition			
o	HFN 111	Food Science and Processing	3(2+1)
o	HFN 121	Food Preservation and Storage	3(1+2)
o	HFN 211	Human Nutrition	3(2+1)
o	HFN 221	Normal & Therapeutic Nutrition	3(2+1)

Department of Family Resource Management			
o	HFRM 111	Management of Family Resources	3(3+0)
o	HFRM 121	Housing and Space Management	3(2+1)
o	HFRM 211	Fundamental of Art & Design	3(2+1)
o	HFRM 221	Family Economics & Consumer Education	3(2+1)
Department of Extension Education and Communication Management			
o	HECM 111	Home Science Extension & Rural Development	3(3+0)
o	HECM 121	Instructional Technology	3(2+1)
o	HECM 122	Women in Agriculture	3(3+0)
o	HECM 211	Communication & Adoption	3(3+0)
o	HECM 221	Programme Planning, Implementation and Evaluation	3(2+1)
Department of Textiles and Apparel Designing			
o	HTAD 111	Fundamental of Clothing Construction	3(1+2)
o	HTAD 121	Apparel Designing and Construction	3(1+2)
o	HTAD 211	Textile Science & Care	3(2+1)
o	HTAD 221	Fundamentals of Textiles Designing	3(2+1)

- 2) **Post Graduate** Programme leading to degree of Master of Science (Home Science) in:
- Human Development & Family Studies.
 - Food Science and Nutrition
 - Family Resource Management
 - Home Science Extension Education and Communication Management

The M.Sc. degree is two years programme. The Courses taught to students admitted to B. Sc and M.Sc. programmes are as per the recommendations of IVth Dean Committee and ICAR BSMA Committee, constituted by ICAR, New Delhi in 2008 and was adopted from 2009 in the College.

Department of Human Development and Family Studies (HDFS)

The Department of Human Development and Family Studies of the College deals with the studies the human development across the life span in different macro and micro environment. The department provides knowledge and studies human growth in scientific manner in both rural and urban environment. It offers Undergraduate (B.Sc. Home Science) and Postgraduate programmes (M.Sc. Home Science in Human Development).

Objectives:

- To built capacity of human resource in the field of Human Development and Family Studies.
- To provide opportunity for higher education in the field of Human Development and Family Studies.
- To carryout basic, action and strategic research in the subject.
- To generate data base in field with respect to the State/ Eastern U.P.
- To empower women and youth (rural & urban) with respect to knowledge and skill in Human Development and Family Studies.

Infrastructure:

The Department is establishing four **Laboratories** namely

- 1) **Nursery Children Laboratory:** The laboratory of the department provides necessary opportunities in skill development to the undergraduate students in working with children between the age group of 3-5 years. The laboratory admits children in this age group for the period 1-2 years. Home Science students who have been offered professional courses on Organization and Management of Early Childhood Programmes get practical training.
- 2) **Product development laboratory:** The laboratory is used to give practical training to U.G. & P.G. students in preparing teaching aids, educational and recreational products for learning of young children & their parents.
- 3) **Observation laboratory:** The department has one observation laboratory with the way window for indirect observation of children's activities in the Nursery lab. **Assessment cum counseling laboratory:** The department has a rich collection of various psychological assessments for young children and adults that are used for practical learning during their course work and research work.
- 4) U.G classroom
- 5) P.G. room class room.

The department also maintains departmental library.

Faculty positions:

- Professor (one)
- Guest Faculty/ Instructors are hired for academic work.

Project competed:

- **Rural Women Economic Empowerment** – adhoc project of ICAR
- **Technological change and production performance in irrigated maize based ecosystem the interplay of economic, technological and institutional factors** – NATP Cooperating Centre Of The Project

Other Activities:

- The department celebrates Children day and Women's day every year to emphasize different issues related to women & children.
- **Hands- on – Experience:** The students taking professional elective courses of the department are sent to reputed institutions like NIPCCD, Bal Bhawan, School for normal and disabled for their In plant Training.

M.Sc. Programme in Human Development and Family Studies: The M.Sc. Home Science programme in Human Development and Family Studies started in academic session 1999-2000 with two seats. Till date 25 students have completed their degree programme.

Future Plans:

- Starting Ph.D. in Human Development & Family Studies.
- Prepare e learning materials the students and other professionals.

DEPARTMENT OF FAMILY RESOURCE MANAGEMENT (FRM)

Family Resource Management (FRM) is one among the five components of Home Science. This department is having undergraduate course with the elective in Interior Decoration. M.Sc. is from July, 2012.

OBJECTIVES

Family resource management aims at training young men and women towards better managerial abilities with the following objectives to:

- Provide opportunities to young men and women for multifarious role in society.
- Provide knowledge in resource management and interior design for effective family living.
- Introduce concepts on technological intervention to relieve drudgery and create safe environment.
- Conduct need based research on emerging thrust areas related to resource management.
- Mobilize action programmes towards enhancing the quality of living.

Facilities:

Running undergraduate elective courses in FRM
P.G. programme is running from the year 2012.

Student profile

The students admitted to the varied courses hail from Uttar Pradesh and Bihar at the levels of Under Graduate and Post Graduate.

Job opportunities

- Teachers/Lecturers
- Instructors
- Extension Workers / Officials
- Research Associates
- Interior decorators/designers
- Energy consultants
- Entrepreneurs
- Consumer Counselors
- Landscape architects
- Florists
- Housekeepers in public institutions
- Consultants for advertising companies /paint companies

Future Plans

The department has envisaged the following as future programmes:

- Preparing lessons for e- learning
- Set up an advanced laboratory for Management Study

- Initiate Consultancy for Interior Designing, Landscaping, Kitchen designs and Household Equipment maintenance
- Conduct short courses for women on Flower Arrangement, Arts and Crafts and House Keeping
- Write Text Books, prepare monographs and audio-visual aids and adopt advanced and latest techniques in teaching methods
- Collaborate with Industries/Universities for applied research
- Aim towards Centre for Excellence

Courses: Courses are being offered in the department as per fourth dean committee in both at UG & PG level.

Department of Food Science & Nutrition (HFN)

The department of Food Science & Nutrition is one of the most important department which works in the field of quality evaluation and value addition of various agricultural and horticultural crops, normal and therapeutic nutrition, development of nutraceutical and convenience foods, diet and nutrition counselling, fruit and vegetable processing and community nutrition. In nut shell, this department is directly related with common people (urban and rural), hospitals/patients and food industries, which require nutritionists, dieticians and scientists in the field of foods, nutrition and dietetics.

Objectives:

- To generate human resource in the field of foods, nutrition and dietetics.
- To provide opportunity for higher education in the field of foods and nutrition.
- To carryout basic and strategic research in the field of foods and nutrition.
- To create research data base in the field of foods and nutrition.
- To empower women (rural & urban) in terms of knowledge and skill.

Infrastructure:

The department has got two labs namely

- 1. Food Analysis laboratory (UG&PG):** This laboratory is equipped with automatic nitrogen, fat and fibre estimation systems, centrifuge, furnace, spectrophotometer, balance, microscopes, hot air oven etc.
- 2. Food processing laboratory:** Well constructed and equipped with microwave oven, electronic oven, deep freezer, dishwasher, cooking range and essential utensils.
- 3. Institutional Management Laboratory:-**This lab is equipped with deep freezer, cooking range, canteen chairs, essential crookery cutlery, utensils etc. and an adjoining kitchen.
- 4. Sensory evaluation Laboratory:** Development of new product and their sensory evaluation is an indispensable part of this laboratory
- 5. Dietary counseling Laboratory:** is equipped with weighing balances, Anthropometric rod and audio visual aids for counseling.

Project Running in the Department:

S.No.	Title of the Project	Funding Agency	Principal Investigator/Lead PI	Duration	Budget(Lakh)
1.	Nutritional Evaluation of uncommon plant foods of eastern U.P.	State Government	Dr. Sadhna Singh	3 year	27.28
2.	Nutrifarming	RKUY	Dr.Sadhna Singh	3 year	189
3.	Utilization of indigence foods for the development of functional foods to combat Micronutrient deficiencies.	UPCAR	Dr.Sadhna Singh	3 year	7.92

Elective Courses:- The department offers elective courses in the department for the third year students of Food Science & Nutrition.

M.Sc. Home Science Programme in Food Science and Nutrition: The M.Sc. programme has started in the department of Food Science & Nutrition with intake capacity of 5 students from the academic session 2012-13.

Faculty positions:

- One Project Fellow is working in the UPCAR.

Support Staff: Department has one Laboratory Assistant and one attendant in the department.

Other Activities: The department celebrates National Nutrition Week every year. Besides for extension activities the department participates in farmer's fair organized twice in year where information regarding nutrition is disseminated.

Hands- on – Experience: In plant Training related to Dietetics, Food Preservation, Bakery and Dairy etc. is provided to the students in foods factories, hospital and other related other related organizations and N.G.O's.

Future Plans:-

1. To establish Bakery unit in the department.
2. To start Ph.D. Programme in Food Science & Nutrition.
3. To establish center of excellence in Food Science & Nutrition
4. To strengthen faculty in the department

Department of Textiles and Apparel Designing

The Department of Textiles and Apparel Designing offers Undergraduate (B.Sc. Home Science)

Objectives:

- To built capacity of human resource in the field Textiles and Apparel Designing.
- To provide opportunity for higher education in the field of. Textiles and Apparel Designing
- To carryout basic, action and strategic research in the subject.
- To generate data base in field with respect to the State/ Eastern U.P.
- To empower women and youth (rural & urban) with respect to knowledge and skill in Textiles and Apparel Designing

Infrastructure:

The laboratory of the department provides necessary opportunities in skill development to the undergraduate students. The Department is developing the following Laboratories namely:

- 1) **Clothing Construction Laboratory**
- 2) **Textile Laboratory**
- 3) **Dyeing and Printing and Laundry Laboratory**
- 4) **Designing Laboratory**

Faculty positions:

- Post of Assistant Professor -Vacant
- Instructors (one)

Other Activities:.

Hands- on – Experience:

Future Plans

- To start elective courses in the subject
- Set up CAD Laboratory

Department of Home Science Extension and Communication Management

The Department of Home Science Extension and Communication Management offers Undergraduate (B.Sc. Home Science) with elective courses and Post Graduate(M.Sc. Home Science in Extension and Communication Management. Post graduate courses started from 2013-14,Ist semester till now.

Objectives:

- To built capacity of human resource in the field Home Science Extension and Communication Management.
- To provide opportunity for higher education in the field of. Home Science Extension and Communication Management
- To carryout basic, action and strategic research in the subject.
- To generate data base in field with respect to the State/ Eastern U.P.

- To empower women and youth (rural & urban) with respect to knowledge and skill in Home Science Extension and Communication Management

Infrastructure:

Laboratory: The laboratory of the department provides necessary opportunities in skill development to the undergraduate and Postgraduate student. The Department has got labs namely

- (A) Instructional Lab
- (B) Designing Lab
- (C) Computer Lab.
- (D) Post graduate Lab/Seminar room.

Faculty positions:

- Post of Assistant Professor –Vacant (Presently one faculty from Directorate of Research is teaching and In-charge of Department)
- Instructors (two) Guest Faculty

Other Activities:.

Hands- on – Experience: