PROGRAMME PROJECT REPORT

Master's in Home Science

(Two Year- **MAHSC** Programme)

Master's of Arts
[Home Science]

SCHOOL OF HEALTH SCIENCES

U. P. Rajarshi Tandon Open University

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1. Programme Mission & Objectives

In line with the mission of the University to provide flexible learning opportunities to all, particularly to those who could not join regular colleges or universities owing to social, economic and other constraints, the 2-year Post-Graduate Programme in Home Science aims at providing holistic and value-based knowledge and guidance to promote scientific temper in everyday life. The program offers a platform to the learners to fulfill the eligible criteria in various scientific jobs in government and private sector.

The Master of Home Science Programme aims at the following objectives:

- Develop a broad academic and practical literacy in home science deals with study of social economic, scientific and technological aspect concern with social and resources management, thus the students are able to know understand the science of home family and community.
- Provide specialization in different areas such as food and nutrition, extension and education, human development, family resource management or textile and clothing .
- Enable students to understand major social challenges at local, regional and global scale such as to identify social and economical changes.
- Integrate fields within home science, optimization, and statistics to developed social monitoring skills, including conduct of experiments and data analysis.
- Expose students to real-world problems in the classroom and through experiential learning of modern instrumention techniques for environmental analysis.
- These program objectives acknowledge the interdisciplinarity of home science and life sciences that make building block of strong foundation with our students.

2. Relevance of the Programme with Mission and Goals

The 2-year Post-Graduate Programme in M.A.-Home Science is designed with the objective of equipping learners to cope with the emerging trends and challenges in the scientific domain. In congruence with goals of the University the Programme also focuses to provide skilled manpower to the society to meet global demands. The Programme is designed in such a vocational manner so that a successful learner can go for higher studies as well as join the research and developed industries, abatement projects, and in central/state universities extension work in projects and different organizations (NGOs).

3. Nature of Prospective Target Group of Learners

The Program is targeted to all individuals looking to earn a postgraduation degree for employment, further higher education, promotion in career, professional development.

4. Appropriateness of Programme to be conducted in ODL mode to acquire specific skills & competence

Learning outcomes		
Learnin g Outcomes	**Elements of the descriptor**	**Master's in - Home Science**
LO 1	Knowledge and understanding	• advanced knowledge about a specialized field of enquiry with a critical understanding of the emerging developments.
LO 2	Skills required to perform and accomplish tasks	• advanced cognitive and technical skills required for performing and accomplishing complex tasks
LO 3	Application of knowledge and skills	• apply the acquired advanced theoretical and/or technical knowledge about professional practice and a range of cognitive and practical skills to identify and analyse problems and issues, including real-life problems, associated with the home science.
LO 4	Generic learning outcomes	• listen carefully, read texts and research papers analytically and present complex information in a clear and concise manner to different groups/audiences.
LO 5	Constitutional, humanistic, ethical and moral values	• embrace and practice constitutional, humanistic, ethical and moral values in one's life.
LO 6	Employment ready skills, and entrepreneurship skills and mindset	• adapting to the future of work and responding to the demands of the fast pace of technological developments and innovations that drive shift in employers' demands for skills, particularly with respect to transition towards more technology-assisted work involving the creation of new forms of work and rapidly changing work and production processes.

5. Instructional Design

2-year M.A.-Home Science Programme Structure

The University follows the credit system in all its programmes. One credit is equal to 30 hours of learner's study time which is equivalent to 15 lectures in conventional system. To earn a Master's Degree, a learner has to earn 80 credits in minimum four semesters (two years) with 20 credits per semester. For earning 80 credits, a learner has to go through the following Programme Structure:

Choice Based Credit Programme Structure of M.A.-Home Science/ M Sc. Home Science under

According to NEP- 2020

Post Graduate Home Science Programme (MAHSc)

Level	Year	Sem	Core Course 1	Core Course 2	Core Course 3	Practical Lab/ Dissertation with viva Voce	Research component	Total credit

8	1	1st	**MAHSC 101** Family resource management	**MAHSC 102** Textile and Clothing	**MAHSC 103** Introduction to Human Behaviour and Theories of Personality	**MAHSC 104** Basics in Research	**MAHSC 105** Practical related to 101, 102	20
		2nd	**MAHSC 106** Maternal and Child Health Care or Early Childhood Education	**MAHSC 107** Extension Education & Communication	**MAHSC 108** Human Physiology	**MAHSC 109** Nutrition Policies and Intervention Programs	**MAHSC 110** Practical related to 107, 108	20
9	2	3rd	**MAHSC 111** Community Nutrition	**MAHSC 112** Food Science and Experimental Cookery	**MAHSC 113** Textile Design and Fabric Construction	**MAHSC 114** Nutritional Management in Health and Diseases	**MAHSC 115** Practical related to 111, 112, 113,114	20
		4th	**MAHSC 116** Therapeutic Meal Planning	**MAHSC 117** Human Growth and Family development	**MAHSC 118** Ergonomics	**MAHSC 119** Institutional Food Administration	**MAHSC 120** Dissertation Viva Voce	20
					Total credit			80

Explanation of terms used for categorization of courses:

A. **Course 1 to 3:** A course, which should compulsorily be studied by a learner as a core requirement is termed as a Core course.

B. **Practical Lab:** Lab based on courses discussed in theory papers.

Research Component: The components included in this category are Research Methodology & Statistics

A. **Industrial Training/ Survey/ Research Project/ Field Work/Apprenticeship/ Dissertation/Internship:** A course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a learner studies such a course on his own with an advisory support by a counsellor/faculty member.

Course curriculum: The details of syllabus is given in Appendix-I

Language of Instruction: SLM is provided in English. However, learner can write assignment and give Term End Examination (TEE) either in Hindi or English.

Duration of the Programme

Minimum duration in years: 02 Maximum duration in years: 04

Faculty & Support Staff

Professor (2), Assistant Professor (4), support staff (3), lab technician (1), lab attendant(1) and office staff (1).

6. Procedure for admissions, curriculum transaction and evaluation

Admission Procedure

(a) The detailed information regarding admission will be given on the UPRTOU website and on the admission portal. Learners seeking admission shall apply online.

(b) Direct admission to 2-year M.A. (Home Science) program is offered to the

interested candidates.

Entry Eligibility:

Level 8: Bachelor degree in relevant.

(c) **Programme Fee:** Rs. 12000 / year. The fee is deposited through online admission portal only.

Evaluation

The evaluation consists of two components: (1) continuous evaluation through assignments, and (2) term-end examination. Learner must pass both in continuous evaluation as well as in the term-end examination of a course to earn the credits assigned to that course. For each course there shall be one written Terminal Examination. The evaluation of every course shall be in two parts that is 30% internal weight age through assignments and 70% external weight age through terminal exams.

(a) Theory course	**Max. Marks**
Terminal Examination	70
Assignment	30
Total	**100**

(b)Practical course:	**Max. Marks**
Terminal Practical Examination	100

Marks of Terminal Practical Examinationshall be awarded as per following scheme:

i.	Write up /theory work	30
ii.	Viva-voce	30
iii.	Execution/Performance/Demonstration	20
iv.	Lab Record	20

The following 10-Point Grading System for evaluating learners' achievement is used for CBCS programmes:

10-Point Grading System in the light of UGC-CBCS Guidelines

Letter Grade	Grade Point	% Range
O (Outstanding)	10	91-100
A+ (Excellent)	9	81-90
A (Very Good)	8	71-80
B+ (Good)	7	61-70
B (Above Average)	6	51-60
C (Average)	5	41-50
P (Pass)	4	36-40
NC (Not Completed)	0	0-35
Ab (Absent)	0	
Q	Qualified	Applicable only for Non-Credit courses
NQ	Not Qualified	

Learner is required to score at least a 'P' grade (36% marks) in both the continuous evaluation (assignments) as well as the term-end examination. In the overall computation also, learner must get at least a 'P' grade in each course to be eligible for the M. Sc. degree.

Computation of CGPA and SGPA

(a) Following formula shall be used for calculation of CGPA and SGPA

For jth semester

$SGPA\ (Sj) = \Sigma\ (Ci * Gi) / \Sigma\ Ci$

where,
Ci = number of credits of the ith course in jth semester
Gi= grade point scored by the learner in the ith course in jth semester.

$CGPA = \Sigma\ (Cj * Sj) / \Sigma\ Cj$

where,
Sj = SGPA of the jth semester
Cj = total number of credits in the jth semester

The CGPA and CGPA shall be rounded off up to the two decimal points. (For e.g., if a learner obtained 7.2345, then it will be written as 7.23 or if s(he) obtained 7.23675 then it be will written as 7.24)

CGPA will be converted into percentage according to the following formula:Equivale
Percentage = CGPA * 9.5

(b) Award of Division

The learner will be awarded division according to the following table:

Division	Classification
1st Division	6.31 or more and less than 10 CGPA
2nd Division	4.73 or more and less than 6.31 CGPA
3rd Division	3.78 or more and less than 4.73 CGPA

7. Requirement of the laboratory support and Library Resources

The practical sessions are held in the home science laboratories of the Study Centre. In these labs, the learner will have the facility to use the equipment and consumables relevant to the syllabus. The SLM, supplementary text audio and video material of the various courses of the program is available through the online study portal of the University. The University also has a subscription of National Digital Library to provide the learners with the ability to enhance access to information and knowledge of various courses of the programme.

8. Cost estimate of the programme and the provisions

2-year M.Sc. programme consists of 14 theory courses, 5 laboratory courses and (basic research, mini and major project, and Dissertation) research activities. One course is of 4 credits which consist of approx. 14 units. The total approximated expenditure on the development of 14 courses is:

S. No.	Item	Cost per Unit (writing & editing)	Total cost (Rs.)
1	Total no. of units in 14 courses = 14*14=196	8000	1568000
2	BOS Meetings etc.	300000	300000
		Total	**1868000**

9. Quality assurance mechanism and expected programme outcomes

(a) **Quality assurance mechanism:** The program structure is developed under the

guidance of the Board of studies comprising external expert members of the concerned subjects followed by the School board. The program structure and syllabus is approved by the Academic Council of the University. The course structure and syllabus is reviewed time to time according to the feedback received from the stakeholders and societal needs.

The Centre for Internal Quality Assurance will monitor, improve and enhance effectiveness of the program through the following:

- ✓ Annual academic audit
- ✓ Feedback analysis for quality improvement
- ✓ Regular faculty development programs
- ✓ Standardization of learning resources
- ✓ Periodic revision of program depending upon the changing trends by communicating to the concerned school

Table 1: Programme Outcomes (POs) – M.A. in Home Science

PO No.	Programme Outcomes
PO1	Demonstrate a fundamental and coherent understanding of the academic disciplines of Home Science, its various learning areas, applications, and linkages with related fields.
PO2	Employ critical thinking and scientific knowledge to design, conduct, record, and analyze results of society-related experiments, extension activities, and outreach programmes.
PO3	Identify and apply appropriate principles and methodologies to solve diverse social and environmental problems effectively.
PO4	Equip students to meet employment challenges confidently, develop entrepreneurial abilities, and encourage them to pursue research careers.
PO5	Contribute to the generation of new scientific insights and the innovation of new applications in environmental and social research.
PO6	Enhance student competencies to match the standards of learners from premier institutions across the nation.

Newly Introduced programme : Yes

Programme: **Master in Home Science**
Year: NA First Introduction year: **2025-26**
Programme prerequisites: Bachelor degree in relevant subject

M.A. Home Science Programme Structure (MAHSC)

SEMESTER	COURSE CODE	TITLE OF COURSE	CREDITS	MARKS
1st SEM	MAHSC 101	Family Resource Management	4	100(30+70)
	MAHSC 102	Textile and Clothing	4	100(30+70)
	MAHSC 103	Introduction to Human Behaviour and Theories of Personality	4	100(30+70)
	MAHSC 104	Basics in Research	4	100(30+70)
	MAHSC 105	Practical related to 101, 102	4	100
Credits of First Semester			**20**	**500**
2nd SEM	MAHSC 106	Maternal and Child Health Care or Early Childhood Education	4	100(30+70)
	MAHSC 107	Extension Education & Communication	4	100(30+70)
	MAHSC 108	Human Physiology	4	100(30+70)
	MAHSC 109	Nutrition Policies and Intervention Programs	4	100(30+70)
	MAHSC 110	Practical related to 107, 108	4	100
Credits of Second Semester			**20**	**500**
3rd SEM	MAHSC 111	Community Nutrition	4	100(30+70)
	MAHSC 112	Food Science and Experimental Cookery	4	100(30+70)
	MAHSC 113	Textile Design and Fabric Construction	4	100(30+70)
	MAHSC 114	Nutritional Management in Health and Diseases	4	100(30+70)
	MAHSC 115	Practical related to 111, 112, 113, 114	4	100
Credits of Third Semester			**20**	**500**
4th SEM	MAHSC 116	Therapeutic Meal Planning	4	100(30+70)
	MAHSC 117	Human Growth and Family Development	4	100(30+70)
	MAHSC 118	Ergonomics	4	100(30+70)
	MAHSC 119	Institutional Food Administration	4	100(30+70)
	MAHSC 120	Dissertation Viva Voce (Compulsory paper)	4	100
Credits of Forth Semester			**20**	**500**
Total Course Credit/Max. Marks			**80**	**2000**