



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625018

2021 - 2022

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme specific outcomes (PSOs) and Course Outcomes (COs), of the Programmes offered by the Institution.

NAME OF THE PROGRAMME: B.Sc Home Science

Programme Outcomes (POs)

PO 1	Scientific Knowledge in the thrust areas of Home science like Food and Nutrition, Textiles and Clothing, Human Development, Family Resource Management and Extension Education.
PO2	Acquisition of skills in meal planning, food processing, pattern making and garment construction, interior design and decoration
PO3	Professional competence in the management of family resources and to establish crèche and preschool.
PO4	Inculcating social responsibilities through community related activities.
PO5	Digital literacy in designing garments and calculating the nutritive value of foods.



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Programme Specific Outcomes (PSOs)

PSO 1	Understanding the anatomy and functions of the various systems of the human body.
PSO 2	Acquisition of skills in analysing & estimating various blood parameters.
PSO 3	Scientific knowledge in the area of food and nutrition, food processing and production.
PSO 4	Acquisition of skills in planning therapeutic diets and diet counselling
PSO 5	Scientific knowledge on the role of microbes in food processing and production.
PSO 6	Acquisition of knowledge and skills in front officeoperation and housekeeping.
PSO 7	Professional competence in planning different cuisines and styles of food service.
PSO 8	Scientific knowledge in the conversion of fibre to fabric and technical textiles.
PSO 9	Acquisition of skills in patternmaking, garment construction, wardrobe planning and fashion illustration.
PSO 10	Digital literacy in designing garments using Fashion Studio software and calculating the nutritive value of foods using Nutrical software
PSO 11	Understanding the basic developmental tasks of different stages of lifespan.



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PSO 12	Creating awareness on children with special needs.
PSO 13	Developing basic knowledge on marriage & family. Awareness of the vivid knowledge on the contemporary problems related to family.
PSO 14	Developing knowledge on theories & philosophies of preschool education. Developing professional competency in creche and preschool management.
PSO 15	Creative thinking in application of elements & principles of design in interior decoration and clothing.
PSO 16	Professional competence in the management of family resources.
PSO 17	Acquiring skills in arrangement of tables and other accessories.
PSO 18	Developing skills in the application of colors, furniture arrangement, lightings, flower arrangement and management of resources in day- to-day life.
PSO 19	Professional competence to become an entrepreneur.
PSO 20	Acquiring skills to transform the standard of living of rural people.
PSO 21	Practically assess the problems of people using participatory tools.

Course Outcomes (COs)



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Course Code	Course Title	Nature of the Course (Local/National/ Regional/Global)	Course Description	Course Outcomes
19N1NME	Basics of Nutrition	Local/National/ Regional/	This course helps to understand the basic concepts on health, nutrition and deficiency diseases of various nutrients	The students will be able to CO1-Define the terminologies related to nutrition and health CO2-Describe the functions of food, food groups and food guide pyramid CO3-Identify the symptoms of deficiency disease of nutrients CO4-Classify micro nutrients and identify the impact on health CO5-Choose the appropriate cooking methods to conserve the nutrients



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19N2CC4	Human Nutrition	Local/National/ Regional/	The course offers the classification, metabolism, functions and deficiency disorders of macro and micronutrients.	<p>The students will be able to</p> <p>CO1-Define the units and concepts of energy</p> <p>CO2-Classify and explain the macro and micro nutrients.</p> <p>CO3-Describe the nutrients with respect to the excess, deficiency and RDA for each nutrient.</p> <p>CO4-Solve the problem of identifying the nutrient quantification to sustain the energy allowance of individuals.</p> <p>CO5-Explain the non nutrients – water and dietary fibre.</p> <p>Describe antioxidants, nutrigenetics and nutrigenomics</p>
19N2CC5	Food Science	Local/National/	The course	The students will be able to



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		Regional/	emphasizes on the composition of foods and the changes that occur during processing.	CO1-Define the basic concept and recent trends in food science and nutrition. CO2-Classify the cooking methods. CO3-Describe the composition of food groups. CO4-Choose the suitable cooking methods for various food groups. CO5-Identify the role of foods in Indian cookery.
19N3CC7	Extension Education and Communication	Local/National	This course creates awareness on principles of extension education and extension teaching methods	The students will be able to CO1-Define the concepts of Home Science Extension Education. CO2-Describe the various welfare programmes for women CO3-Explain the principles and models of communication CO4-Classify the extension teaching



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				methods. CO5-Construct audio –visual aids.
19N3SB1	Entrepreneurial skills – Surface Ornamentation	Local	This skill based paper aims at imparting hand embroidery and fabric painting techniques.	To enable students to CO1. Illustrate a basic motif . CO2- Recognise the basic hand stitches and prepare samples. CO3- Choose and apply appropriate embroidery stitches on various products. CO4- Describe different methods of painting on fabrics. CO5-. Plan the fabric painting technique for clothing and household linen.
19N4CC11	Clothing and Fashion	Local	This course aims at imparting	The students will be able to CO1-.Identify the different techniques of



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			knowledge on basics of clothing construction, clothing selection, care and wardrobe planning. It also deals with fashion industry, fashion promotion and fashion illustration.	pattern making and pattern layout. CO2-. Explain the principles of wardrobe planning and factors to be remembered in the selection of clothes. CO3. Summarize the laundering agents. CO4. Recall the terms related to fashion industry, fashion cycle and fashion trends. CO5. Describe the structure of fashion industry, fashion market and fashion promotion techniques. Illustrate and apply elements and principles of design on casual wear, party wear and kids wear.
19N4SB2	Entrepreneurial	National	This course	The students will be able to



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	Skills – CAD		imparts skill in designing fashion garments, texture mapping and application of suitable accessories and background using Fashion Studio software.	CO1-Illustrate the basic silhouettes of garments. Plan the colour and design based on the type of garment CO2-Identify the areas for the application of transparent effect CO3-Choose appropriate pleat, fold and accessories CO4-Organize the designed garment against a background
19N5CC13	Crèche and Preschool Management	Local/National/Regional/	This course imparts a comprehensive theoretical knowledge on the management of crèche and	The students will be able to CO1-The importance of children's environment and overall development of pre-school children. CO2-Construct the administrative skills to establish the preschool.



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			preschool management	CO3-Express the views of educationists of preschool CO4-Build a skill in preparing various teaching aids for preschoolers CO5-Organize and maintain different play equipments and records in preschool centre
19N5CC15	Family Resource Management	Local	This course elicit knowledge on all aspects of housing and application of art in home.	The students will be able to CO1-Classify the types, elements of design. CO2-Explain the principles of design, and its application in interiors. CO3-Construct house plan and landscaping CO4-Describe the housing problems and remedies. CO5-Build skills in interior designing.



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19N5ME1	Technical Textiles	Local/Regional	This course offers deep insight into the various application areas of technical textiles.	<p>The students will be able to</p> <p>CO1- Identify the application areas of Technical Textiles.</p> <p>CO2- Describe the types of Geo Textiles, their properties and applications.</p> <p>CO3-Organise the four areas of Medical Textiles</p> <p>CO4- Choose the appropriate protective textiles for short term and long term survival.</p> <p>CO5- Restate in own words the application of technical textiles for various modes of transport.</p>
19N5ME2	Food Biotechnology	Local	The course offers knowledge on the scope, importance	<p>the students will be able to CO1-Describe the techniques in enzymes production and its application</p>



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			and the basic aspects of biotechnology relating to foods	CO2-Summarize the process distilled alcoholic beverages CO3-Classify the types of food additives of microorganism origin CO4-Explain the concept of transgenic plants and its application in food industry CO5-Define genetically modified foods and its application in food industry
19N5SB3	Entrepreneurial Skills – Baking, Adulteration and Food Preservation	Local/National/Regional	The course gives hands on training in the preparation, display of various baked, preserved food products and identification of adulterants in commercially	The students will be able to CO1-Define the terminology in baking, adulteration and preservation. CO2-Recognize the principles of food preservation. CO3-Choose the method of food preservation. CO4-Identify the adulterants in foods.



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			available foods.	CO5-Classify the food additives.
19N5SB4	Participatory Rural Appraisal	Local/National/ Regional	This course enlightens the students on concept of participatory rural appraisal.	The students will be able to CO1-Define PRA and its principles CO2-Describe the application of PRA. CO3-List the types and techniques of mapping. CO4-Plan participatory research method in the field CO5-Identify the rural problems and plan projects
19N6CC17	Resource Management	Local/National/ Regional	This course offers knowledge on managing resources like time, money and energy. It also	The students will be able to CO1-Describe the management process CO2-Identify the human and non-human resources CO3-Explain the financial management



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			deals with consumerism and standard of living.	CO4-Summarize the key elements of standard of living CO5-Built the concepts of consumerism.
19N6CC19	Clinical Nutrition and Dietetics	Local/National/Regional	The course gives a detailed picture of the normal & therapeutic nutrition, highlighting the importance, recommended dietary allowance, medical nutrition therapy for various stages of life cycle and all disease	The students will be able to CO1-Identify the principles of meal planning in nutrition through life cycle. CO2- Recall the nutritive value of foods for planning diets CO3-Recognize the etiology and symptoms of diseases CO4-Build skills in preparation of therapeutic diets CO5-Solve problem of malnutrition through intervention programmes



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			conditions.	
19N6ME3	Family Dynamics	Local/National/ Regional	This course describes the dynamics of the family with reference to its structure, function, problems, and supportive programmes.	The students will be able to CO1- Describe the stages of adulthood. CO2-. Built knowledge on marriage and family. CO3. Recognise and solve family crisis. CO4- Summarize welfare programme for the aged and children with special needs CO5-Restate in own words the significance of population education.
19N6ME4	Food and Dairy Processing	Local/National/ Regional	This course enlightens the students to understand the	The students will be able to CO1-Define the characteristics of food raw materials



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			various food processing operations in food industries.	CO2-Recall the preparative operations in food industries CO3-Classify the methods of heat and cold processing CO4-Choose the different processing methods adopted for plant and animal foods CO5-Illustrate the processing & preparation of milk and milk products
19N6ME5	Women and Entrepreneurship Development	Local/National/Regional	This course offers deep insight into the concepts of entrepreneurship and the institution for entrepreneurship development. It also deals with the	The students will be able to CO1 Define the concept of entrepreneurship. CO2-Describe the requisites to establish business. CO3-List the institutions for entrepreneur development. CO4-Plan and prepare the project report.



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			preparation of project report and appraisal.	CO5-Recognize the components of project appraisal.
19N6SB5	Entrepreneurial Skills –Nutrition Counseling	Local/National/Regional	This course provides a strong ground in the strategies and techniques of nutrition counselling, nutrition education, nutrition care plan, evaluation and documentation.	The students will be able to CO1-Explain the counselling process. CO2-Identify the appropriate counseling techniques. CO3-Choose audiovisual aids for diet counseling. CO4-Organize counseling camps for specific diseases. CO5-Recall the principles of therapeutic diet.



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19N6SB6	Entrepreneurial Skills – Interior Design and Decoration	Local/ Regional	This course offers deep insight on all the aspects of interior design and decoration.	<p>The students will be able to</p> <p>CO1-Construct floor plan for different income groups.</p> <p>CO2-Classify the concept of interior design.</p> <p>CO3-Describe the concepts of landscaping.</p> <p>CO4-Identify the different types of windows treatments.</p> <p>CO5-Explain the application of Vastu in interior</p>