



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: M.Sc Human Nutrition with Nutraceuticals

Programme Outcomes (POs)

PO1	Scientific knowledge in the thrust areas of Foods, Nutrition and Nutraceuticals.
PO2	Acquisition of skills in the qualitative and quantitative analysis of blood and urine and nutrient analysis of various foods.
PO3	Professional competence in planning normal and therapeutic diets and counselling.
PO4	Social responsibility by participating in community health programs.
PO5	Enterprising by developing innovative value added food products.



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

Programme Specific Outcomes (PSOs)

PSO 1	PSO1: Advanced scientific knowledge in food, nutrition and nutraceuticals
PSO 2	PSO2: Professional competence in planning therapeutic diets and counselling
PSO 3	PSO3: Social responsibilities by participating in community health programmes
PSO 4	PSO4: Enterprising – by developing innovative value added food products
PSO 5	PSO5: Environmental concerns – by understanding the role of microbes in human health and diseases
PSO 6	PSO6: Acquisition of skills in analysing food components and blood constituents
PSO 7	PSO7: Desire for knowing more about nutraceuticals from familiar and unfamiliar foods
PSO 8	PSO8: Creative thinking in choosing the appropriate research design



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

Course Outcomes (COs)

Course Code	Course Title	Nature of the Course (Local/National/ Regional/Global)	Course Description	Course Outcomes
19PG1N1	Advanced Human Nutrition	Local/National/ Regional/	The course provides the knowledge on classification, functions, metabolism and deficiency of macro and micro nutrients and its interrelationship.	CO1-Recall the functions of nutrients in human body. CO2- the digestion, absorption, sources & requirements of different nutrients CO3-Compare the energy value of foods by using different calorimetry CO4-Build the knowledge of nutrient and drug interrelationship CO5-Summarize the importance of



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

				fluid and electrolyte balance in human body
19PG1N2	Advanced Dietetics	Local/National/ Regional/	The course explains the medical nutrition therapy for normal life cycle, common diseases, and special conditions like sports, space, deep sea and air travel.	<p>The students will be able to</p> <p>CO1- Describe nutritional care process</p> <p>CO2-Recognize the nutritional needs of different stages of life cycle</p> <p>CO3-Explain medical nutritional management.</p> <p>CO4-Plan therapeutic interventions for traumatic conditions.</p> <p>CO5-Categorize meal planning for sports, sea and air travel.</p>
19PGNEDC1	Nutrition & Dietetics	Local/National/ Regional/	This course offers the scientific	CO1 Define the different terms in nutrition and food.



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

			<p>understanding of how nutrition can impact the health of individuals</p> <p>and the role of diet in treatment of diseases.</p>	<p>CO2-Classify the food and nutrients</p> <p>CO3-Describe the functions of macro and micro nutrients.</p> <p>CO4-Choose the food sources of micro and macronutrients</p> <p>CO5-Illustrate food pyramid and explain the food groups.</p>
19PG2N6	Clinical Nutrition & Diet Therapy	Local/National/Regional	<p>The course provides a comprehensive knowledge required for the prevention and treatment of various diseases</p>	<p>The students will be able to</p> <p>CO1-Identify the characteristics of various disease conditions.</p> <p>CO2-Describe the medical nutritional management of different disease.</p> <p>CO3-Plan diets for degenerative diseases.</p> <p>CO4-Categorize the foods used in the treatment of diseases.</p>



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

				CO5-Summarize the treatment strategies for food allergy and food intolerance.
19PG3NE1	Food Safety and Quality Control	Local/National/Regional	<p>To enable students</p> <p>Develop approaches to identify food safety hazards in food processing</p> <p>Apply preventive measures and control methods to minimize microbiological hazards and maintain quality of foods.</p> <p>Identify the wide</p>	<p>CO1-Define the concept of food safety and food laws.</p> <p>CO2-Plan the various quality assurance systems in food industries.</p> <p>CO3-Explain the toxicants in animal and plant foods.</p>



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

			variety of parameters affecting food quality. Develop quality control strategies	
19PG4N20	Advanced Food and Science Processing Techniques	Local/National/Regional/	The course offers the understanding of processing techniques involved to transform raw ingredients into processed food products for human consumption.	CO1-Explain the toxicants in animal and plant foods.
	Food Safety and	Local/National/	The course provides	CO1 Classify the food additives.



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

19PG4NE3	Quality Control	Regional	an outline on the standards, tools and techniques to ensure safety and integrity of foods in food preparation and processing.	CO2 Plan the various quality assurance systems in food industries CO3 Categorize the packaging materials and properties. CO4 Recognize and understand nutrition labeling/ claims
----------	-----------------	----------	---	--