

Sant Gadge Baba Amravati University, Amravati

Department of Home Science

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Programme outcomes (POs), Program Specific outcomes (PSOs) and Course outcomes (COs) of the Programmes offered by the University

Programme code	Programme Name	Department
501	M. Sc. Home Science	Home Science

Programme outcome (POs):

Communication and Extension

- Acquire knowledge, skill and attitude to work with the communities
- Get sensitized on the issues of society
- Impart skill training programmes
- Explain and use sociological concepts and theories
- Compile , interpret and analyse data of social systems
- Enhance people's capacity for social functioning towards better quality of life
- Competency in rural development practices
- Achieve desirable change in the development and empowerment of people
- Capacitated to become participating and contributing citizens
- Acquire knowledge to develop entrepreneurial skills

Resource Management

- Exhibit efficient resource use potentials at home and work

- Showcase domain specific role clarity
- Shine as competent graduates
- Appreciate nuances of value based quality life skill oriented learning
- Blend relevant instructions with real time applications in career
- Apply lateral thinking with techno fervour
- Act as proactive agents of change
- Enjoy a competitive edge in career options
- Buttress technological linkages for professional development
- Be committed as responsible consumers and able designers

Food Science and Nutrition

- Understand the role of food and nutrition for the welfare of the community
- Excel in the area of personal and public health nutrition
- Apply skill based knowledge in food industry
- Acquire entrepreneurial skills in the field of food science and nutrition
- Excel as academicians and research personnel
- Develop comprehensive and analytical skills in food industries and health sectors
- Take up professions in community upliftment programmes
- Gain insight in public health nutrition for employment in State and Central government

Course Outcomes (COs):

S.No.	Name of the course (Paper)	Course Code	Course Outcome
Communication and Extension			
	Community Organization and Development Theories	1115C045	Student should be able to: <ul style="list-style-type: none"> • Understand the concept, structure and organisation of different types of

			<p>communities</p> <ul style="list-style-type: none"> • Understand the factors contributing to change in community • Role of community organisation and their mobilisation for developmental goods. • Understand the concept, theories of leadership, pattern and characteristics of leaders of different community • Assessment of socio economic state tribes.
	Sustainable Development Initiative & Approaches	115SD46	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand the concept of sustainability and development • Understand community resources and identify thee trends in the extent and consequences of their utilization • Evaluate existing structure and established arrangements for sustainable management of community resources • Understand relationship between environmentally sound technologies and sustainability • Awareness or survey of community regarding concept of sustainability with structured questioner or schedule • Mapping of available resources • Evaluation of programme which are working for sustainable development of community • Evaluation of government policies and programme • Environmentally sustainable technologies for conservation of natural resources
	Human Learning Psychology	113HL47	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Human learning psychology • Types of learning for change in knowledge, attitude and skill • Indicators of human behaviour in learning • Factors affecting skill learning • Task description and task analysis • Process, development of test/ scales/units
	Programme Design and Evaluation	115Pd48	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand process of programme planning in extension

			<ul style="list-style-type: none"> • Develop ability in planning extension programmes • Learn the principles and procedure involved in programme planning implementation • report and recording • Procedure for recording
	Computer Application in Communication and Extension Statistics	111CA49	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand use of computer in distribution and statistical analysis • Developed skill of drafting text, reports, tables, figures etc.
	Extension Education System	125EE50	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand the changing concept of extension • Get acquainted with trends in extension approaches and model • Identify the support system in extension education • Knowledge on support structures national e extension system and extension in other countries • Prepare report on visits for studying structures and functioning related to community welfare
	Training Methodology	125TM51	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Conceptualize the training process • Understand the different methodologies and evaluation of suitability for training • Organisation facilitating intervention for facilitating development • Developing skill in selection and use of different training methods
	Communication Approaches in Extension	125CA52	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand application of communication approaches for communication of extension messages to different target groups • Develop skill of preparation and use of tools of communication • Identify themes for communication in extension through literature research, experiences and pilot study • Prepare , present and evaluate the projected and non projected tools
	Entrepreneurship Development in	125ED53	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Conceptualized inputs regarding entrepreneurship development in

	Communication		<p>communication</p> <ul style="list-style-type: none"> • Sensitise and motivate towards entrepreneurship development • Orient and impart knowledge towards identifying and implementing entrepreneurship opportunities • Do SWOT analysis and can suggest strategies for action • Understand the formalities for registrations and licences for enterprise • Prepare and use the business games for development of entrepreneurial qualities
	Research Methods in Communication and Extension	125RM54	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Know importance of research in communication and extension • Understand the type, tools applicable to research problem • Develop skill of preparing out line of research work • Conduct pilot study for calculating validity, reliability and usability of tools • Prepare master tables for analysis
	Development Project Management	235DP55	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Get insight related to component of project planning • Impart skill in project planning and management • Apply PRA as techniques for identification of project • Prepare complete project proposal with supportive document
	IEC Material Production	235MP56	<p>Student should be able to:</p> <ul style="list-style-type: none"> • To develop skill of production of projected • To develop skill of production of non projected material
	Management of Non Government Organization	235ELI57	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand working of NGOs • Understand the formalities of registration of NGOs • Plan, implement and evaluate the NGO programmes • Prepare a complete proposal for funding from GOs and NGOs
	Writing for Media	235ELI57	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand importance of writing media • Develop competence in writing for various media

			<ul style="list-style-type: none"> • Understand operation of various audio visual aids • Prepare visual/ non projected material • Prepare script for television programme • Acquired knowledge about media production centre
	Curriculum Planning and Development	235ELI57	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Develop specific objectives considering basic needs of curriculum planning • Understand various steps of curriculum planning • Analyze the content of developed curriculum • Evaluate curriculum for its effectiveness
	Management of Human Service Organization	235ELI58	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand the concept of human service • Become aware of human service organization • Understand and apply the principles of management of human service organization • Assessment of human service organization
	Media Planning and Social Advertising	235ELI2	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand the process of social marketing and social advertising and its comparison with commercial and marketing of products and services • Identify the steps and consideration involved in media planning for different groups • Identify media types and issues • Understand the issue and problems of social marketing and advertising • Understand people perception of trends, impact and need for social advertising
	Curriculum Text Production	235ELI58	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand components of curriculum • Assess the educational needs of different target groups • Produce curriculum text • Evaluate the course for difficulty of language, legibility and accessibility
	Community Health and Hygiene Education	235ELI.1	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand the concept of health and hygiene

			<ul style="list-style-type: none"> • Know supportive services and programmes for community health management • Understand the health administrative set up at district level • Develop an educational programme on any hygiene related issued
	Media Research and Evaluation	235ELIII.3	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand need and scope of media research • Understand role of media in infusing peoples lives • Understand the different types of communication research • Understand the applicability of different types for small and large groups and mass media • Create awareness about media research organization • Understand the role in infusing policies and programme on different media • Prepare evaluation to study the various media • Study impact of media on society by conducting survey in near by locality • Policies and programme implication of media research • Understand the role of media advocacy
	Evaluation of Curriculum and Text	235ELIII59	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Become aware about models of curriculum evaluation • Evaluate curriculum and text effectively • Prepare the evaluation proforma for any curriculum used in life long learning
	Writing Editing and Reporting for Mass Communication	245WE60	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand application of mass communication in development • Develop skill in production of material for mass communication • Evaluate published new story, articles, editorial • Prepare and production computer aided visual programme
	Current Trends and Issues in Extention and Communication	245CT61	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Create awareness regarding current trends, issues • Study current trends, issues and researches in communication • Understand extension by current reading, surveys, use of internet.

			<ul style="list-style-type: none"> • Prepare report • Present presentation on various current communication and extension methods
	Scientific Writing	245SW62	<p>Student should be able to:</p> <ul style="list-style-type: none"> • Understand national/ international standards of scientific writing • Develop skill of writing research reports • Use of library • Write references from different sources • Review, understand and critically evaluate thesis, dissertation, abstract
Resource Management			
S. No.	Name of the course	Course code	Outcomes
1	Human Resource Management	111HR45	<p>Students should be able to</p> <ul style="list-style-type: none"> • Aware about of human resources and there potential • Understanding the potential of individual and as an national resource • Acquire ability to use human resource • Develop ability to improve human resources • Analyse job design recruitment and select and training of human resources • Performance appraisal
2	Principles of Management	111PM46	<ul style="list-style-type: none"> • Know the component, human and scientific aspects of management functions • Know the importance of decisions in management. • Gain managerial skills.
3	Human Behaviour in Resources Management	113HB47	<ul style="list-style-type: none"> • Understand importance of Human Behaviour in Resources Management • Develop skill of designing, testing altitude, motivation and emotional intelligence. • Sensitize effect of stress on resource management.
4	Resource Development Programme Design and Evaluation	115RD48	<ul style="list-style-type: none"> • Understand the process of programme designing • Develop ability in planning resources development programme • Understanding types and tools of evaluation • Understanding need for reporting and recording
5	Computer Application in	111CA49	<ul style="list-style-type: none"> • Understanding basics of computer

	Resource Statistics		<ul style="list-style-type: none"> • Understanding MS Word, MS Excel • Skill of graphical presentation • Use for analysis of data
6	Residential Furnishing and House Keeping	121RF50	<ul style="list-style-type: none"> • To understand the factors influencing space design organization for optimum comfort and functionalism • Develop skills of computer aided interior design (Auto CAD) • To evaluate ergonomically residential interior space for various activities • To acquaint with the adequate facility for work , relaxation , rest , comfort , privacy , care , aesthetic etc. through interior space designing • To study the materials along with fittings and fixtures used in residential interior
7	Household Technology	121HT51	<ul style="list-style-type: none"> • Sensitize indigenous technology • Understanding existing technologies in areas of home science • Understanding various sustainable technologies • Develop skill in preparing models of various sustainable technologies
8	Communication Approaches in Response Management	121CA52	<ul style="list-style-type: none"> • Understanding application of communication approaches • Understanding methods of communication • Understanding projected and non projected communication tools • Understanding of proper use communication tool
9	Entrepreneurship Development	121ED53	<ul style="list-style-type: none"> • Promote entrepreneurial skills amongst students • Understand the process and procedures of setting small enterprises • Personal effectiveness • Analyse the environment related to small scale industry • Develop managerial skills for entrepreneurship development
10	Research Methods in Resource Management	121RM54	<ul style="list-style-type: none"> • Know importance of research in resource management • Understand the area of research in resource management • Understand the type, tools applicable to research problem • Develop skills of preparing out line of research work
11	Ergonomics	231ER55	<ul style="list-style-type: none"> • Understand role of ergonomics in work effectiveness • Determining the relationship of anthropometric dimensions of workers • Identifying types of postures

12	Financial Management	231FM56	<ul style="list-style-type: none"> • Understand wise use of money • Understand role of successful financial management • Understand Financial Decision making
13	Home Event Management	231ELI.1	<ul style="list-style-type: none"> • Understand managerial and operational aspects pertaining to home events • Develop practical event management skills • Develop marketing and sponsorship strategy • Understand working to a budget with goal
14	Home Furnishing	231ELI.2	<ul style="list-style-type: none"> • To know the home furnishing • Develop skills in home furnishing • To evaluate residential interior space for various activities • Acquaint with the adequate facility for work , relaxation , rest , comfort , privacy , care , aesthetic etc. through interior space designing • Study the materials along with fittings and fixtures used in residential interior
15	Front Office Operation and Accommodation	231ELI.3	<ul style="list-style-type: none"> • Understand importance of hospitality industry • Develop effective communication skills • Develop the art of dealing with people • Understand the organizational procedures of the front office • Comprehend the principal of front office operation
16	Community Event Management	231ELII.1	<ul style="list-style-type: none"> • Understand managerial and operational aspects pertaining to community events • Develop practical event management skills • Develop marketing and sponsorship strategy • Understand working to a budget with goal • Understand fund raising community events
17	Household Equipment	231ELII.2	<ul style="list-style-type: none"> • Understand safely against household appliances • Know need for equipment testing • Understanding laws and regulations Governing appliances • Knowing recent trends in household appliances
18	Food Service Management	231ELII.3	<ul style="list-style-type: none"> • Gain knowledge about the food service in India • Understand management of food service unit • Understand different needs and jobs of food service
19	Institutional Event	231ELIII.1	<ul style="list-style-type: none"> • Understand managerial and operational aspects pertaining to institutional

	Management		<ul style="list-style-type: none"> events Develop practical event management skills Develop marketing and sponsorship strategy Understand working to a budget with goal Understand protocol working with the proves
20	House Keeping and Facility Management	231ELIII.2	<ul style="list-style-type: none"> Become aware of different areas and functions of house keeping department Develop and acquire skills in house keeping activities Gain knowledge regarding for maintenance of rooms Know duties and responsibilities of house keeping staff
21	Travel Management	231ELIII.3	<ul style="list-style-type: none"> Awareness about tourism and it's scope in India Develop version skills required for travel management Learn about business management, marketing, human resource management
22	Resources Informatics	241RI60	<ul style="list-style-type: none"> Develop skills in data base management Identify and analyse data Know about data base collection
23	Current Issues and trends in Resources Management	241CI61	<ul style="list-style-type: none"> Create awareness regarding current trends Know about current issues in society Identify research areas in various aspects Identify solution for social issues
24	Scientific Writing	241SW62	<ul style="list-style-type: none"> Develop skill of writing research reports Understand national and international standards of scientific writing Understand some common features of scientific style Avoid plagiarism and be able to paraphrase scientific ideas Identify the difference between description and analysis

Food Science and Nutrition

Sr.no	Name of course	Course code	Course outcome
1	Food Science		Student should be able to <ul style="list-style-type: none"> Understand of composition of various food stuffs.

			<ul style="list-style-type: none"> • Familiarize with changes occurring in various foods as a result of processing & cooking. • To use the theoretical knowledge in various application and food preparation. • Gain the knowledge of pigments present in fruits & vegetable & their application for health benefit. • Role of different antioxidant to boost • Immunity. • Use the knowledge for the health & community.
2	Human Physiology		<ul style="list-style-type: none"> • To understand relationship of physiology & role of nutrition. • To gain the knowledge of hormones & their role in nutrition & health. • To know the various methods of measuring body fluids.
3	Food & Human Behavior		<ul style="list-style-type: none"> • To understand indicator of human behavior. • Know factors influence dietary practices • Of individual. • Understand consequences of the behavior on health. • Know means of modifying food behavior. • Develop skill of developing scale. • Able to develop communication strategies.
4	Nutrition Programme Design and Evaluation		<ul style="list-style-type: none"> • Understand the process of programme design. • Develop ability in planning nutrition programme. • Develop nutrition awareness skill & counseling skill. • To conduct the programme & evaluate.
5	Computer Application in Food Statistics		<ul style="list-style-type: none"> • Understand use of excel in analysis of data related to food & nutrition. • Develop skill of drafting text, tables, and figures. • To handle the computer easily & do the basic operations.

			<ul style="list-style-type: none"> • To develop the skill of presentation.
6	Food Microbiology		<ul style="list-style-type: none"> • Gain knowledge of role of microorganism in human & environment • Understand the importance of food spoilage. • Understand the role of microbes in food borne disorder • Understand integrated approach to food safety. • Improve the sanitation & hygiene practices. • To prevent family & community from food poisoning /food borne disease.
7	Nutritional Biochemistry		<ul style="list-style-type: none"> • Augment the biochemistry knowledge. • Understand mechanism of human body for regulation of metabolic pathways. • Become proficient for specialization in nutrition. • Perform biochemical analysis with accuracy & reproducibility. • Able to do the laboratory estimation
8	Communication Approaches in Nutrition		<ul style="list-style-type: none"> • Understand use of communication approaches in improving nutritional status of population. • Develop skill of preparing tools of communication. • To develop skills of presentation. • To create various ideas & use of material for effective communication. • To give the message about nutrition for community.
9	Entrepreneurship Development in Food		<ul style="list-style-type: none"> • Provide conceptual inputs regarding entrepreneurship development in food. • Sensitize & motivate towards • Entrepreneurship development. • Impart knowledge towards entrepreneurship opportunities. • To implementing entrepreneurship opportunities. • To motivate entrepreneurs. • To provide different catering services like pack lunch, therapeutic diet. • To aware different government policies for entrepreneur.

10	Research Methods in Nutrition		<ul style="list-style-type: none"> • Know importance of research in food science & nutrition. • Understand the tools applicable to research problem. • Construct common data collection tool. • Develop skills of preparing outline of research work. • Able to collect various types of data. • Able to analyses the data. • Able to test the hypothesis. • To develop skill in data base management
11	Food Product Development		<ul style="list-style-type: none"> • Able to develop nutritionally viable product. • To develop product which meeting consumer needs commercially viable. • Able to develop various nutritionally enrich • Product. • To improve the skill & interest in preparing recipes. • To develop creative & innovative products.
12	Sensory Evaluation		<ul style="list-style-type: none"> • Use various sensory methods for evaluating variety of foods. • Analyze & interpret sensory evaluation data. • To plan a sensory experiment. • To understand etiology, physiologic,& metabolic anomalies of acute & chronic diseases & patient needs
13	Therapeutic Nutrition		<ul style="list-style-type: none"> • Know the effect of various diseases on nutritional status & dietary requirement.

			<ul style="list-style-type: none"> • To recommend & provide nutritional care • for prevention & treatment of diseases. • Able to diagnose sign & symptoms of various diseases. • Able to prevent the disease through proper nutrition.
14	Assessment of Nutritional Status		<ul style="list-style-type: none"> • Able to diagnose sign & symptoms of various diseases. • Able to prevent the disease through proper nutrition. • Orient the student with all methodologies applied in nutritional assessment & surveillance of human groups. • To develop specific skill to apply the most widely used methods.
15	Kitchen Planning, Equipment and Plants		<ul style="list-style-type: none"> • Understand the importance of layout in a food service unit. • Determine the factors that affect the kitchen plan. • Understand the principle of planning layout. • Design a kitchen keeping in mind the principles of planning. • To plan kitchen layout for small food service unit.
16	Biochemical Correlation with Nutritional Therapy		<ul style="list-style-type: none"> • To correlate sign & symptoms pathological condition of patient. • To do the estimation of cholesterol & hemoglobin. • To detect the deficiency diseases & treated through correct nutrition. • To know the biochemistry of different diseases.
17	Nutritional Epidemiology		<ul style="list-style-type: none"> • Understand the principle of epidemiology. • Understand importance of nutritional epidemiology in community & public health. • To design & evaluate studies. • To design & evaluate nutritional programme. • To plan implement & evaluate nutrition research. • To introduce strategies in epidemiological research.

18	Food Safety Quality Control		<ul style="list-style-type: none"> • Importance of quality assurance in food industry. • Various test & standard for quality assessment & food safety. • Various test used to detect food adulteration. • Steps to consider for successful quality control programme. • Able to detect adulteration in different food. • Able to do the consumer protection. • To test the different food for their quality.
19	Dietetic Techniques & Patient Counseling		<ul style="list-style-type: none"> • Plan, organize / supervise preparation & service of different kinds of therapeutic diets in hospital dietary service. • Develop skills for patient counseling. • Interact effectively with patient & their families. • Work as a diet counselor. • To provide service as a part of the medical team. • To give advice in the context of the patients sociocultural & economic milier. • Know the techniques of obtaining relevant information for patient through medical history assessment. • Provide patient diet Tiffin service to various hospitals. • To educate patient and create awareness in community.
20	Community Nutrition		<ul style="list-style-type: none"> • Understand the causes determinants & consequences of nutrition problem in society. • Familiar with various approaches to nutrition & health interventions programme&policies.Plan implement & evaluate nutrition programme. • Give message for nutrition & health education to the community. • Develop low cost nutritious recipes. • To detect determinant of food security. • To understand strategies to combat public nutrition problems.
21	Food Service Management		<ul style="list-style-type: none"> • Gain knowledge about the food services in india.

			<ul style="list-style-type: none"> • Understand the special characteristics of food service establishment. • To know the resources required for managing food outlets. • Learn man power management techniques. • To know the types of costs involved & how to control them. • To know the importance of food service institution. • To handle the cost management & accounting. • Think of starting food service. • Handle the food service unit.
22	Food Informatics		<ul style="list-style-type: none"> • To develop skill in data base management. • Develop knowledge clinical nutrition, human nutrition & community nutrition. • To create data with the help of software. • To study various database in the subject.
23	Current Issues in Food and Nutrition		<ul style="list-style-type: none"> • To sensitize student regarding current trends, issues & research in various aspects of food science & nutrition. • To debate in various emerging areas in food science & nutrition. • Able to handle the food safety practices & quality control. • To handle special nutritional requirements in emergencies & extreme environment. • To use special feeding methods in different disease condition.
24	Scientific Writing		<ul style="list-style-type: none"> • Understand National & international standards of scientific writing. • Develop skill of writing research reports. • To do technical work.