



Re-Accredited 'B++ 2.86 CGPA by NAAC

**VEER NARMAD SOUTH GUJARAT UNIVERSITY**

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

**વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી**

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Digital Helpline No.- 0261 2388888

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

## **-: પરિપત્ર :-**

વિનયન વિદ્યાશાખા હેઠળની સંલગ્ન હોમસાયન્સ વિષયની તમામ કોલેજોનાં આચાર્યશ્રીઓને જણાવવાનું કે, B.A. Home Science વિષયના અભ્યાસક્રમના PO, PSO અને CO સંદર્ભે ચર્ચા કરતાં હોમસાયન્સ વિષયની અભ્યાસ સમિતિના ચેરમેનશ્રીએ અભ્યાસ સમિતિવતી મંજૂર કરી વિનયન વિદ્યાશાખાને કરેલ ભલામણ વિનયન વિદ્યાશાખાના અધ્યક્ષશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિદ્યાશાખાવતી કાર્યકારી ડીનશ્રીએ મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલની તા.૦૧/૦૩/૨૦૨૪ની સભાના ઠરાવ ક્રમાંક:૧૦૪ અન્વયે માન.કુલપતિશ્રીને આપેલ સત્તા અંતર્ગત માનનીય કુલપતિશ્રી દ્વારા મંજૂર કરેલ છે. જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

(બિડાણ: ઉપર મુજબ )

ક્રમાંક:એસ./પરિપત્ર/૯૩૭૯/૨૦૨૪

તા.૨૯-૦૪-૨૦૨૪

  
કુલસચિવ

પ્રતિ,

૧) વિનયન વિદ્યાશાખા હેઠળની સંલગ્ન હોમસાયન્સ વિષયની તમામ કોલેજોનાં આચાર્યશ્રીઓ.

..... આપશ્રીની કોલેજના સંબંધિત શિક્ષકોને જાણ કરી અમલ કરવા સારું.

૨) અધ્યક્ષશ્રી, વિનયન વિદ્યાશાખા,

૩) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ.ગુ.યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારું.

## VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

### Subject course outcome:- Home Science

#### The main objectives of the subject are

- To understand and appreciate role of Home Science, in the development and well-being of individuals, families and communities.
- To learn about the sciences and technologies which enhance the quality of life of the people
- To acquire professional and entrepreneurial skills for economic empowerment of student in particular, and community in general
- To develop professional skills in the fields of food and nutrition, clothing and textiles, housing and interior decoration, human development, extension and communication
- To prepare young students for studies, research and extension work
- To take science from the laboratory to the people

#### Subject outcomes

- Women empowerment
- Skill development and enhancement
- Capacity building
- Entrepreneurial development
- Student centric job oriented course

#### Programme Outcome:

Most people think that Home Science is confined to mastering household activities, but the fact is that the field of home science has advanced considerably since its origin.

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Today, Home Science is a vibrant field of study that covers home economics as well as other aspects such as sociology, psychology, community living, nutrition, and textiles.

A degree in Home Science opens up excellent career opportunities, while also equipping students with the skills needed to manage their home in a dynamic environment. Home Science education deals with all aspects of home and family management. It is both an art and science. It's an 'art' because it helps you manage your resources in a skilful manner, and it's a 'science' because it helps you improve your family life by offering you knowledge in the field. To give you a simple example, when you present a dish in an aesthetic manner it becomes an art. When you ensure that the meal offers a balanced nutritive diet, it becomes a science. Home Science education empowers you with the skills to improve every facet of home life – food, clothing, health, childcare, personal finance, religion, culture, arts, home beautification, etc. It enables you to take better care of your family, while helping you lead a more enriched life. It moulds you into a responsible person who can handle day to day challenges. It teaches you your rights and duties as a consumer. In this fast paced world, lifestyle and environmental factors are diluting personal relationships. Children are growing up in an ever-changing environment that can affect their psychology. Home Science equips you with the ability to tackle these difficult life situations.

Home Science works at a basic level by improving your outlook towards others. It inculcates values that help you become responsible towards your family and the society.

### **Programme Specific Outcome**

Home Science covers food and nutrition, human development and family resource management. The students can enrol for an undergraduate degree in Home Science after passing out of Higher Secondary Education or its equal. As an undergraduate degree, it involves the study of subjects such as Physics Chemistry and Biology, hygiene, rural development, food, clothing, textiles, interior decoration, psychology, and sociology. Once the students get the degree in Home Science, they can opt for Masters and Ph.D. They can choose from any of the five areas of specializations mentioned below: Food and Nutrition: Science of food, clinical and community nutrition Home Resource Management: Managing resources, interior decoration, and planning Science

of Textiles: Science of fabrics, garment designing, and maintenance of fabrics  
Human Development: Psychology, child and elderly care, marriage and relationship guidance  
Communication and Education: Social science, media of communication, programme planning, and training  
After a UG course in Home Science, one can also pursue a master's degree in the fields of Social Work, Mass Communication, and Development Studies. Those aspiring to join the teaching profession can follow up their graduation in Home Science with a bachelor's in education. Job Prospects in Home Science For a young student, home science opens up a vast array of career choices. food scientist, textile designer, interior designer, apparel designer, family counsellor, teacher, researcher and social worker.

The hotel industry also has a high demand for the skills of a Home Science graduate in the areas of housekeeping and food catering. Students with Masters in Home Science can take up teaching the subject in schools and colleges. They can also work with food brands as sales representatives, food analysts, and research assistants. In fact, many MNCs prefer Home Science candidates because of their sound knowledge in chemistry, nutrition, and other sciences. Home Science education equips you with the indispensable knowledge to become an entrepreneur.

You can either start a school, set up your nutrition consultancy, or get into textile manufacturing. Course Outcome In contemporary times, Home Scientists promote capacity building of individuals and communities for social and economic empowerment.

They train community women and youth from various strata of society for entrepreneurs themselves. They do not remain job seekers but have also become job creators. They gain and provide employment in research organizations, food and textile industries, dietetic practice, education and child development domains, accreditation of green buildings, strategic planning and communication technologies.

Keeping in view the growing aspirations of today's youth and capacity of Home Science discipline to deliver, the 3-year choice based credit system has been drawn up. The five windows of opportunity that Home Science offers be opened, i.e. Food and Nutrition. Human Development, communication and Extension and Fabric and Apparel Sciences. In this course, the students will learn the fundamental principles and foundations of all

five areas. They are expected to internalize the principle of a Home Scientist, that is, to give back to the community from which they draw, for sustainable development. This is a major contribution of Home Science in both developed and developing societies. The University Grants Commission's model 2001 curriculum of Home Science reflects a similar philosophy.

**Subject Regarding Program outcome, course outcome & program specific outcome in Home science**

No	program outcome	Subject <u>course</u> outcome	Program specific Outcome
F.Y.B.A. Sem I &II  <b>Foods and nutrition</b>	<ul style="list-style-type: none"> <li>• Understand food, nutrients and their functions.</li> <li>• Understand about balanced diet basal metabolism, energy requirement.</li> <li>• Understand functions, sources and requirements of different nutrients and associated deficiency diseases.</li> <li>• Understand about food poisoning and food adulteration</li> </ul>	<b>Course objectives:-</b> 1. To give students an understanding of the concepts of foods, their function and classification, nutrition, balanced diet, basic food groups. 2. To acquaint students with the physiology of digestion and basal metabolism and need for energy. 3. To provide students the understanding of nutrients, their sources, functions, requirements and affects of deficiencies.	<ul style="list-style-type: none"> <li>• Understand scientific principles and techniques of food service management</li> <li>• Apply analytical principles of food and nutrients in diet formulation</li> <li>• Utilize and manage resources and contribute to community development</li> <li>• Acquire skills in organization and management of food service institutions</li> <li>• Become a successful entrepreneur, professional and pursue higher education</li> </ul>

<b>Home Management</b>	<ul style="list-style-type: none"> <li>• On successful completion of the course the student will be able to</li> <li>• Develop awareness about management in family.</li> <li>• Students will be able to recognize the importance of wide use of resources in order to achieve goals</li> </ul>	<ol style="list-style-type: none"> <li>1. Provide knowledge of various concepts and principles of Family Resources Management</li> <li>2. Awareness of resources- their availability, generation and allocation for improvement in the quality of life of families</li> <li>3. Generate awareness on money management.</li> </ol>	<ul style="list-style-type: none"> <li>• Have knowledge about the management of resources.</li> <li>• Develop understanding of concepts of income and expenditure</li> <li>• Provide skills to tackle family finance</li> </ul>
<b>Fashion Design</b>	<ul style="list-style-type: none"> <li>• Students will develop innovative and creative fashion, home and contract products for diverse textile markets.</li> </ul>	<ol style="list-style-type: none"> <li>1-To promote an understanding of Fashion and Textile Design in relation to the needs of fashion, contractual furnishings, home textiles, and the business to business textile products.</li> </ol>	<ul style="list-style-type: none"> <li>• Students will be able to prepare entries and compete in industry and academic competitions and juried exhibitions</li> <li>• Gain knowledge in textile production techniques</li> </ul>
<b>Extension Education</b>	<p>After studying the above course students will understand the fundamental concepts of extension education, its role in rural development and concept of communication</p>	<ol style="list-style-type: none"> <li>1.To the students understand the meaning, importance and need of extension education.</li> <li>2. Role of home science in extension education for development</li> </ol>	<ul style="list-style-type: none"> <li>• Enhance people's capacity for social functioning towards better quality of life</li> <li>• Competency in rural development practices</li> <li>• Achieve desirable change in the development and</li> </ul>

			<p>empowerment of people</p> <ul style="list-style-type: none"> <li>• Capacitated to become participating and contributing citizens</li> <li>• Acquire knowledge to develop entrepreneurial skills</li> </ul>
<p>S.Y.B.A. 3 &amp; 4</p> <p>Meal planning</p>	<ul style="list-style-type: none"> <li>• Concepts of various developmental task of different age group.</li> <li>• Care and need of children, adolescents, adult and old age</li> </ul>	<ol style="list-style-type: none"> <li>1.Regarding various developmental tasks of different age groups nutritional requirement.</li> <li>2.Concepts of human development and give students knowledge about the rights and needs of different age groups.</li> <li>3.Concepts of old age and special needs of old age nutritional reequipment.</li> </ol>	<ul style="list-style-type: none"> <li>• Excel as academicians and research personnel</li> <li>• Develop comprehensive and analytical skills in food industries and health sectors</li> <li>• Take up professions in community upliftment programmes</li> <li>• Gain insight in public health nutrition for employment in State and Central government</li> <li>• Apply knowledge in the field of personalized nutrition with reference to nutrigenetics and nutrigenomics</li> </ul>

<b>Art &amp; Craft</b>	<b>1. Understand the principles of art and design and their applicability in interior decoration</b>		<ul style="list-style-type: none"> <li>• <b>Exhibit efficient resource use potentials at home and work</b></li> <li>• <b>Showcase domain specific role clarity</b></li> <li>• <b>Shine as competent graduates</b></li> <li>• <b>Appreciate nuances of value based quality life skill oriented learning</b></li> <li>• <b>Blend relevant instructions with real time applications in career</b></li> </ul>
<b>Family clothing &amp; Household Textile</b>	<ul style="list-style-type: none"> <li>• <b>Consciousness for clothing, its importance, safety, care and comfort.</b></li> <li>• <b>Capability to identify the various fabrics and its importance regarding selection of clothing.</b></li> <li>• <b>Skill for garment construction</b></li> <li>• <b>Understand and identify about traditional textiles of India.</b></li> </ul>	<ol style="list-style-type: none"> <li>1. <b>To develop the consciousness for clothing, its importance, safety, care and comfort.</b></li> <li>2. <b>To apart knowledge regarding selection of clothing.</b></li> <li>3. <b>To develop skills for garment constructor.</b></li> <li>4. <b>Get an understanding of fabric selection and care.</b></li> </ol>	<ul style="list-style-type: none"> <li>• <b>Gain knowledge in textile production techniques</b></li> <li>• <b>Acquire skill in textile dyeing and printing</b></li> <li>• <b>Equipped with skills required become a fashion designer</b></li> <li>• <b>Acquire dexterity in design, surface enrichment and apparel construction</b></li> <li>• <b>Develop entrepreneurial skills in textiles and fashion</b></li> </ul>
<b>Human</b>	<ul style="list-style-type: none"> <li>• <b>The field of human</b></li> </ul>	<ol style="list-style-type: none"> <li>1. <b>To introduce the students</b></li> </ol>	<ul style="list-style-type: none"> <li>• <b>administration of</b></li> </ul>

<p><b>Development &amp; First aid &amp; Home nursing</b></p>	<p>development concept, scope, dimension and interrelations.</p> <ul style="list-style-type: none"> <li>• The concepts of child care and mother craft.</li> <li>• Describe how individuals develop and change from womb to tomb</li> <li>• Relate the principles of human development with self, family and society</li> </ul>	<p>to the field of human development, concept, scopes, dimensions and interrelations.</p> <ol style="list-style-type: none"> <li>2. To sensitize the students to social and cross cultural contexts in human development.</li> <li>3. To sensitize the students to interventions in the field of human developments.</li> </ol>	<p>early learning centres</p> <ul style="list-style-type: none"> <li>• Appraise and identify life situations in need of referral services</li> <li>• Manage life crisis at every stage of life spa</li> <li>• Importance of social and cross cultural contexts in human development.</li> <li>• Apply methods of teaching and training towards</li> </ul>
<p><b>Family welfare and community education</b></p>	<ul style="list-style-type: none"> <li>• After studying the above course students will understand the concept of family and community education</li> </ul>	<ol style="list-style-type: none"> <li>1, To make them understand about the children rights and National Policy for Children.</li> <li>2. To give the concept of different categories of special needs of children and adolescents.</li> <li>3. Student should have the knowledge about family and child welfare services working at National and International level</li> <li>4. Concept of community education.</li> </ol>	<ul style="list-style-type: none"> <li>• Enhance people's capacity for social functioning towards better quality of life</li> <li>• Competency in rural development practices</li> <li>• Achieve desirable change in the development and empowerment of people</li> <li>• Capacitated to become participating and contributing citizens</li> <li>• Acquire knowledge</li> </ul>

			to develop entrepreneurial skills
<b>T.Y.B.A.SEM 5 &amp; 6 Diet Therapy I &amp; II</b>	<ul style="list-style-type: none"> <li>• Analyze nutrients, food quality and manage diseases using diet therapy</li> <li>• Formulate environment friendly innovative food products</li> <li>• Acquire skills to establish a food service outlet</li> <li>• Devise research strategies for empowering and promoting healthy living in the community</li> <li>• Professionally competent to take up careers in academics, health care and service industry Depart</li> </ul>	<ol style="list-style-type: none"> <li>1.To develop the concept of different health conditions.</li> <li>2. To make them understand Nutritional Management.</li> <li>3. Nutritional management during different health and disease condition.</li> </ol>	<ul style="list-style-type: none"> <li>• Understand scientific principles and techniques of food service management</li> <li>• Apply analytical principles of food and nutrients in diet formulation</li> <li>• Utilize and manage resources and contribute to community development</li> <li>• Acquire skills in organization and management of food service institutions</li> <li>• Become a successful entrepreneur, professional and pursue higher educatio</li> </ul>
<b>Family Housing &amp; Family finance management</b>	<ul style="list-style-type: none"> <li>• Understand the factors influencing selection of house site or house.</li> <li>• Understand the basic principles underlying house planning.</li> </ul>	<ol style="list-style-type: none"> <li>1.Knowledge of concepts of housing as a structurally sound and functionally efficient unit with well designed living and work space area as.</li> <li>2.Knowledge of functional dwelling for comfort and</li> </ol>	<ul style="list-style-type: none"> <li>• Apply lateral thinking with techno fervour</li> <li>• Act as proactive agents of change</li> <li>• Enjoy a competitive edge in career options</li> <li>• Buttress technological linkages for</li> </ul>

	<ul style="list-style-type: none"> <li>• Draw house plans for various income groups.</li> <li>• Understand the advantages and disadvantages of rented, privately owned or an apartment.</li> </ul>	safe.	<p>professional development</p> <ul style="list-style-type: none"> <li>• Be committed as responsible consumers and able designers</li> <li>• Develop understanding of concepts of income and expenditure • Provide skills to tackle family finance</li> </ul>
Textile Science I & II	<ul style="list-style-type: none"> <li>• Understand characteristics and use of common textile fibres.</li> <li>• Be able to identify different fibres.</li> <li>• Understand methods and steps of fabrics formation.</li> <li>• Understand general rules of laundering and laundering agents</li> <li>• Understand basic fabric formation methods such as weaving, knitting and non woven fabrics.</li> <li>• Understand and identify different fabric formation</li> </ul>	<ol style="list-style-type: none"> <li>1. To develop an understanding of fibres, yarns and their formation.</li> <li>2. To impart knowledge about selection and care of fabrics.</li> <li>3. To develop an understanding of fabric formation techniques</li> <li>4. To acquaint the students with various fabric finishes.</li> <li>5. To impart skill in dyeing and printing techniques.</li> </ol>	<ul style="list-style-type: none"> <li>• Get experience in advance textile fabrication techniques in weaving, knitting and non woven</li> <li>• Proficient in textile testing and quality control methods</li> <li>• Undertake need based multidisciplinary research in technical textiles</li> <li>• Develop eco textile processing methods</li> </ul>

	<p>techniques.</p> <ul style="list-style-type: none"> <li>• Develop knowledge and skill about different dyes, dyeing techniques and printing techniques</li> </ul>		
Food Preservation I & II	<ul style="list-style-type: none"> <li>• Understand objectives and methods of cooking.</li> <li>• Get acquainted with principles of food preservation and different food preservation methods.</li> <li>• Understand the role of microorganisms and fermentation</li> </ul>	<ol style="list-style-type: none"> <li>1.To develop knowledge about principles of food preservation and different food processing methods.</li> </ol>	<ul style="list-style-type: none"> <li>• Apply appropriate technologies to develop innovative and safe food products.</li> <li>• Promote graduates for a prospective career and pursue higher education.</li> </ul>
Communication in Extension Folk media in extension	<ul style="list-style-type: none"> <li>• Competency in rural development practices</li> <li>• Achieve desirable change in the development and empowerment of people</li> <li>• Capacitated to become participating and contributing citizens</li> <li>• Acquire</li> </ul>	<ol style="list-style-type: none"> <li>1.Communication, its meaning, process and characteristics.</li> <li>2.the sharing of ideas and information - forms a large part of the extension agent's job. By passing on ideas, advice and information, he hopes to influence the decisions of farmers.</li> <li>3.There are many ways in which extension agents and farmers communicate.</li> </ol>	<ul style="list-style-type: none"> <li>• Field experiences are an essential part of the teaching learning process and help students to acquire appropriate skill sets.</li> <li>• The course prepares students to take up positions in development agencies, media houses, corporates engaged in social responsibility initiatives, market</li> </ul>

	<p><b>knowledge to develop entrepreneurial skill</b></p>		<p><b>research organisations, teaching and administrative positions in educational institutions.</b></p>
<p><b>Human physiology</b></p>	<p><b>• Develop a positive awareness of the self and their abilities</b></p>	<p><b>1. Recognize the concept of body-mind interaction</b>  <b>2. Orientation to the application of the theories and systems of psychology</b>  <b>3. Gain knowledge in skills of psychological assessment</b></p>	<p><b>• Understand behaviour as influenced by thoughts, emotions and the environment</b></p>