

Department of Home Science

Minutes of the meeting of board of studies of **Home Science Department** held on **20/02/2016** at **10:30 AM**.

PRESENT

	(Name)		(Signature)
1.	Dr. Sangita Saini	Chairperson	
2.	Dr. Chitra Arora	External Expert 1	
3.	Dr. Komal Chauhan	External Expert 2	
4.	Dr Simi Bhagat	External Expert 3	
5.	Dr. Madhulik Gautama	Internal Member	
6.	Dr Seema Kashyap	Internal Member	
7.	Dr. Charu Swami	Internal Member	
8.	Ms Hema Panwar	Internal Member	
9.			
10.			

- Changes have been made in the sequence of the courses to be taught in the three years of BSc program.
- New courses have been developed to give the needed weightage to the five areas of Home Science.
- Minor changes have been made in some courses in accordance to latest CBCS curriculum.
- Minor changes have been done in the form of elaboration and detailing in 6 Courses of B Voc Food Processing & Preservation and one course of B Voc Apparel Manufacturing.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Introduction to Foods Revised Title: Basics of Food and Nutrition
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM101
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Dr.NandiniJohri
10.	Will the course require visiting faculty	No
11.	Course Objectives	This course will enable the students to:- <ul style="list-style-type: none"> • Understand the functions of food and the role of various nutrients. • Learn about the structure, composition and nutritional contribution of different foodstuffs. • Acquire knowledge of different methods of cooking. • Understand the functions and sources of nutrients.

Course No.	Existing Status	Proposal for change	Justification
HSM 101 Class: BA/BSc(HS), Status : Major Course, Total Credits:3, Periods (55 mts. each) /week: 3(L-3- T-0-P/S-0), Min.pds./ sem.:39	UNIT 3: SELECTION & PURCHASE OF FOODS METHODS OF COOKING (a) Selection and Purchase of Foods: (i) Perishable (ii) Non Perishable (iii) Semi Perishable (b) Methods of Cooking: (i) Reasons for Cooking (ii) Different methods of Cooking (iii) Effect of Cooking on colour, texture & nutrients (iv) Methods of conserving nutrients during cooking. UNIT 4: FOOD SAFETY Common Food adulterants; (b) Household methods of detecting common food adulterants; (c) Prevention of Food adulteration; (d) Food standards- FPO, Ag-mark, ISI, Codexalimentarius; (f) Food hygiene and sanitation-ISO9000 (T.Q.M) UNIT 5: FOOD PRESERVATION (a) Causes of food spoilage (Bacteria, Yeast, Mould and Fungus); (b) Importance of Food Preservation; (c) Principles & methods of food preservation-home and commercial.	UNIT 3: METHODS OF COOKING & FOOD SAFETY (i) Methods of cooking (ii) Food Adulteration (iii) Food standards FPO, Agmark, FSSAI, (iv) Causes of food spoilage (Bacteria, Yeast, Mould and Fungus); UNIT 4: MACRO, MICRO NUTRIENTS -VITAMINS (i) Energy Producing, body building nutrients and deficiency. (ii) Functions, sources and definition of vitamins. UNIT 5: MICRO NUTRIENTS MINERALS, WATER & FIBRE (i) Water and its functions in the body (ii) Fibre and its importance in diet (iii) Methods of conserving nutrients during cooking. (iv) Functions, sources and definition of minerals.	Content of nutrition has been merged with the content of the course on foods. These courses are interrelated and merging has enriched the course. Same as above Same as above

COURSE TEMPLATE

1.	Department/ Centre proposing the course	Dept. of Home Science
2.	Course Title	Introduction to Textiles
3.	L-P-T Structure	3-0-0
4.	Credits	3
5.	Course number	HSM102
6.	Status	Major Course
7.	Status vis-à-vis other courses	
7.1	Overlap with any UG/PG course of the Dept./ Centre	No
7.2	Overlap with any UG/PG course of another Dept./ Centre	No
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Dr.Charu Swami
10.	Will the course require visiting faculty	No
11.	Course Objectives	To impart knowledge regarding: <ul style="list-style-type: none"> • Elementary textiles fibers, their classification and scope and their processing. • Yarn structures and yarn manufacturing steps • Weaves and fabric structures.

Course No.	Existing Status	Proposal for change	Justification
HSM 102 Class: BA/BSc(HS), Status Major Course Total Credits:3, Periods(55 mts. each)/week:3 (L-3-T-0-P/S-0), Min.pds./ sem.:39	UNIT 5: FABRIC SELECTION (a) Popular names and features of different fabrics (b) Various uses of fabrics (c) Selection of fabrics keeping in mind (i) Purpose (ii) Serviceability (iii) Maintenance (iv) Durability (v) Storage (vi) Economy (vii) Appearance (d) Selection of Clothing keeping in mind (i) Age (ii) Sex (iii) Figure (iv) Personality (vi) Season & Occasion (vii) Occupation and ideas.	UNIT 5:FIBRE IDENTIFICATION TESTS Fibre identification tests – Visual, burning, microscopic and chemical a) Yarn Identification – Single, ply, cord, textured, elastic, monofilament, b)Fabric count using pick glass Weaves- Identification and their design interpretation on graph	The contents have been upgraded and streamlined as per CBCS guidelines

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Elements of Economics
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM 106 (NOW HSM 205)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Mrs. Poonam Sinha
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To improve conceptual understanding of economics To impart knowledge of economic laws.

Course No.	Existing Status	Proposal for change	Justification
HSM106 (NOW HSM 205) Class: BSc(HS), Status: Major Course, Total Credits:3, Periods(55 mts. each)/week: 3(L-3- T-0-P/S-0), Min.pds. /sem.:39	UNIT 1: INTRODUCTION TO ECONOMICS (a) Meaning, definitions and scope of economics (b) Types of Economics (c) Importance of Economics in the management of family (d) Human wants. UNIT 3: DEMAND AND SUPPLY (a) Consumer surplus-meaning, definition factors affecting consumer's surplus (i) Law of demand (ii) Law of Supply (b) Production-concept of cost, production in modern economies (i) Land (ii) Labour (iii) Capital (iv) Organisation. UNIT 5: MONEY Money- Meaning, function, types Usefulness and importance of money- paper money, System of money and essentials of a good monetary system.	UNIT 1: INTRODUCTION TO ECONOMICS (a) Meaning, definitions and scope of economics (b) Types of Economics (c) Importance of Economics in the management of family (d) Human wants. (e) Engle's Law UNIT 3: DEMAND AND SUPPLY (a) Consumer surplus-meaning, definition factors affecting consumer's surplus (i) Law of demand (ii) Law of Supply (b) Production-concept of cost, production in modern economies (i) Land (ii) Labour (iii) Capital (iv) Organisation. (v) Elasticity of demand UNIT 5: MONEY (a) Money- Meaning, function, types Usefulness and importance of money- paper money, System of money and essentials of a good monetary system. (b)Types and functions of banks	The content has been upgraded and streamlined as per CBCS guidelines

COURSE TEMPLATE

1.	Department proposing the course	Home Science
2.	Course Title	Basics of Pattern Making & Sewing
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM 202
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Prof.Sangita Saini
10.	Will the course require visiting faculty	No
11.	Course Objectives	<p>This course will empower the students to:-</p> <ul style="list-style-type: none"> • Learn method of taking measurements. • The students will learn the procedures of layout, fitting and designing paper patterns and garments. • Use sewing tools/equipment for dressmaking purposes.

Course No.	Existing Status	Proposal for change	Justification
<p>HSM 202 Class:BA/BSc(HS), Status of Course: MAJOR COURSE, Total Credits:3 Periods(55 mts. each)/week:3 (L-3-T-0-P/S-0), Min.pds./ sem.:39</p>	<p>UNIT 1: INTRODUCTION TO CLOTHING CONSTRUCTION (a) Terminology- notches, grain, grain line, on grain, off grain, centre front line, centre back line, seam line, cutting line, bust line, waist line, crotch, bias, true bias, seam, seam allowance, darts, dart points, direction of darts. (b) Types of seams</p> <p>UNIT 2: TOOLS AND EQUIPMENT OF CLOTHING CONSTRUCTION (a) Tools for pattern making and clothing construction-measuring tools, marking tools, cutting tools, sewing tools, pressing tools, different types of needles, different types of threads. (b) Introduction to sewing machines, history of sewing machines, - its parts and maintenance, sewing defects and their remedies and precautions (c) Sewing machines and their variations- Single needle machine, Double needle machine- overlock machine, button hole machine, button fixing machine, flat lock machine, bar tack machine – their suitability and function, commonly used special attachments in sewing machine (d) Sewing of special fabrics</p> <p>UNIT 3: FIGURE TYPES & BODY MEASUREMENTS (a) Anthropometry- Definition, body marks and levels, rules and importance for taking accurate measurements (b) Figure Analysis and body types (c) Taking body measurements for different types of garments (d) Calculating the amount of material required for different</p>	<p>UNIT 1: INTRODUCTION TO CLOTHING CONSTRUCTION (a)Terminology- notches, grain, grain line, on grain, off grain, centre front line, centre back line, seam line, cutting line, bust line, waist line, crotch, bias, true bias, seam, seam allowance, darts, dart points, direction of darts. (b) Tools for pattern making and clothing construction- measuring tools, marking tools, cutting tools, sewing tools, pressing tools, different types of needles, different types of threads. (c) Introduction to sewing machines, history of sewing machines, - its parts and maintenance, sewing defects and their remedies and precautions UNIT 2: PREPARATORY STEPS FOR GARMENT CONSTRUCTION (a) Preparatory steps- preshrinking, straightening, truing, Pinning, marking and cutting (b) Layouts for patterns- general guidelines, basic layouts-lengthwise, partial lengthwise, (c) Crosswise, double fold, open, combination fold (d) Layouts for fabrics- Unidirectional, bold and large prints, plaids, stripes and checks, various widths of fabrics (e) Calculating the amount of material required for different garments</p> <p>UNIT 3: SEAMS AND FINISHING OF RAW EDGES (a) Types of seams- Plain and its finishing, flat, ridge, decorative (b) Additional seam techniques: clipping, notching, grading, trimming, easing, under stitching, stay stitching, trimming a corner (c) Crossway strips-importance and applications (d) Finishing of hemlines (e) Classification and application</p>	<p>The contents have been enriched and elaborately described as per CBCS guidelines</p>

	<p>garments</p> <p>UNIT 4: PATTERN MAKING AND LAYOUT (a) Importance of drafting and pattern making (b) Drafting, Draping, Flat pattern techniques - concepts, advantages & disadvantages. (c) Knowing your fabric, preparation of fabric-layouts (types), pinning, marking, cutting fabric and precautions in cutting (d) Commercial patterns - definition, importance, advantages, disadvantages</p> <p>UNIT 5: TRIMMINGS AND SUPPORTING FABRICS (a) Qualities of Trimmings used in garments – Laces, Zippers, Buttons, Elastic, Ribbons (b) Use and importance of trimmings, different methods of fastening (c) Supporting fabrics (Lining, Inter-lining, Facing, Inter-facing) – Purpose, site, material used, a brief idea of their fixing methods.</p>	<p>of sleeves, cuffs, collars, necklines, plackets, pockets, yokes, trims and accessories</p> <p>UNIT 4: PATTERN MAKING (a) Importance of drafting and pattern making (b) Drafting, Draping, Flat pattern techniques - concepts, advantages & disadvantages. (c) Commercial patterns - definition, importance, advantages, disadvantages (d) Use and importance of trimmings, different methods of fastening & Supporting fabrics</p> <p>UNIT 5: DESIGN & FIT (a) Anthropometry- Definition, body marks and levels, rules and importance for taking accurate measurements (b) Designing for different figure types Fit: Fitting area, fitting guidelines, fitting procedure</p>	
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COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Basics of Clothing Practical
3.	L-T-P structure	0-0-3
4.	Credits	2
5.	Course number	HSM203
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Prof.Sangita Saini
10.	Will the course require visiting faculty	No
11.	Course Objectives	To enhance the capability of students regarding: <ul style="list-style-type: none"> • Identification of new special fabrics and basic weaves. • Different seams and stitches in sewing process. • Stitching of basic garments • Pattern making and drafting.

Course No.	Existing Status	Proposal for change	Justification
HSM 203 Class: BA/BSc(HS), Status: major course, Total Credits:2 Periods(55 mts. each)/week:3 (L-0-T-0-P/S-3), Min.pds./sem.:39	UNIT 1: Collection and applications of special fabrics - stretch fabrics, velvet, leather, fur & lace, non woven and knits UNIT 2: (a) Identification of weaves- Collection and study of fabrics for basic weaves and Figured weaves samples- Uses with features (b) Preparation of swatches with basic and figured weaves through card board weaving (c) Collection, identification and analysis of various types of fabrics based on application- apparel, upholstery and Furnishings.	UNIT 1: (a) Identification of weaves- Collection and study of fabrics for basic weaves and Figured weaves samples- Uses with features (b) Preparation of swatches with basic and figured weaves through card board weaving (c) Collection, identification and analysis of various types of fabrics based on application- apparel, upholstery and Furnishings. UNIT 2: (a) Knowing how to stitch-an idea of straight line stitching, stitching on curves and at corners (b) Basic stitching-Temporary Stitching, Permanent and decorative stitching (c) Seams-Plain seams and its finishing, run & fell seam, French seam (d) Attaching different Fasteners (e) Disposal of fullness-darts, gathers, tucks and pleats (f) Neckline Finishing-Facing & Binding	The contents have been upgraded and streamlined as per CBCS guidelines

	<p>UNIT 3: (a) Knowing how to stitch-an idea of straight line stitching, stitching on curves and at corners (b) Basic stitching-Temporary Stitching, Permanent and decorative stitching (c) Seams-Plain seams and its finishing, run & fell seam, French seam (d) Attaching different Fasteners (e) Disposal of fullness-darts, gathers, tucks and pleats (f) Neckline Finishing-Facing & Binding</p> <p>UNIT 4: Drafting of a Child's basic block and sleeve block</p> <p>UNIT 5: Drafting, cutting and stitching of Childs' block adapted to "Gathered frock" with Peter Pan collar and puff sleeves.</p>	<p>UNIT 3: Preparation of samples of any 2 sleeves, cuffs, collars, necklines, plackets, pockets, yokes,</p> <p>UNIT 4: Surface layering through (a) Appliqué- simple, cut, felt (b) Quilting- hand and machine</p> <p>UNIT 5: Drafting, cutting and stitching of Childs' block adapted to "Gathered frock" with Peter Pan collar and puff sleeves.</p>	
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COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Introduction to Child in The Indian Family I Revised Title : Child in The Indian Family
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM206
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Dr.RichaVerma
10.	Will the course require visiting faculty	No
11.	Course Objectives	This course will enable the students to develop an understanding:- <ul style="list-style-type: none"> • Structure and functions of family • Different types of family constellations like single parent families, foster families. • Family issues and problems

Course No.	Existing Status	Proposal for change	Justification
HSM 206 Class: BSc(HS), Status: Major Course Total Credits:3, Periods(55 mts. each)/week:3 (L-3-T-0-P/S-0), Min.pds./ sem.:39	UNIT 3: INTRAFAMILIAL (a) Influence on personality development (i) Secure and insecure experiences in the family (ii) Crisis in the family death, divorce, alcoholism, illness, unemployment (iii) Family violence (b)What the child gives the parents (i) Child and family interaction (ii) Emotional Satisfaction (iii) Expansion of family interests	UNIT 3: INTRAFAMILIAL FACTORS (a)Influence on personality development (i) secure & insecure experiences in the family (ii) Crises in the family-death, divorce, alcoholism, illness and employment, poverty depression and Family violence. (b)Individual roles, rights and responsibilities (c) Area of adjustment within the family and different stages of family life cycle (d) Family interaction and communication	Unit renamed so as to match the enriched content. Unit renamed as it is more appropriate clear and concise Content enriched
	UNIT 4: INTERACTIONAL RELATIONSHIP WITHIN THE FAMILY (a) Individual roles, rights and responsibilities (b) Areas of adjustment within the family at different stages of family life cycle (c) Family interaction and communication	UNIT 4: INTERPERSONAL FACTORS Ecological and sociological factors affecting interpersonal relationships (a) Ordinal position, caste, religion, caste socio-economic status, culture sex and parents educational level (b) Mother child relationships, father child relationships, sibling relationships (c) Family disciplinary techniques	
	UNIT 5: CONTEMPERARY ISSUES AND MEDIA INFLUENCES a)Family violence, abuse, child maltreatment, sexual abuse b)Dowry, divorce, remarriage c)Gender roles, role conflicts of women d)Family with adopted children inter-caste/inter-religion families.	UNIT 5: CONTEMPERARY ISSUES AND MEDIA INFLUENCES (a) Family violence, abuse, child maltreatment, sexual abuse (b) Dowry, divorce, remarriage (c) Gender roles, role conflicts of women Family with adopted children, exclusion of the individual on the basis of caste minority, disability, violence & immigration.	

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Human Development I - Practical
3.	L-T-P structure	0-0-4
4.	Credits	2
5.	Course number	HSM302
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center No
	7.2	Overlap with any UG/PG course of another dept/center No
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Dr.RichaVerma
10.	Will the course require visiting faculty	No
11.	Course Objectives	This course will enable the students to <ul style="list-style-type: none"> • Improve conceptual understanding of the Human Development in context of field realities. • Develop skills of working and interacting with young children. • Develop play and creative activities for children • Plan and organize activities for preschool children

Course No.	Existing Status	Proposal for change	Justification
HSM 302 Class: BA/BSc(HS), Status: Major Course Total Credits:2, Periods(55 mts. each)/week:4 (L-0-T-0-P/S- 4), Min.pds./ sem.:52	<ol style="list-style-type: none"> 1. Preparation of material for community health, nutrition and child care. 2. Planning creative activities for 3-5 year old children. 3. Preparing low cost material for child play and learning 4. Analysis of cases for development/relationship assessment 5. Use of the observation and interview methods for studying behaviour of parents and children 6. Visit to a maternity ward to observe neonates and interview their mothers. 7. Audio-visual sources to be shown on different aspects of prenatal/ neonate/ infancy/ childhood/ leading to discussion and report writing. 	<ol style="list-style-type: none"> 1. Methods of child study- Interview/Observation/Case study 2. Preparation of material for community health, nutrition and child care 3. Preparing low cost material for child play and learning 4. Analysis of cases of for development/relationship assessment. 5. Visit to a maternity ward to observe neonate and interview their mothers. 6. Audio visual sources to be shown on different aspects of prenatal/ neonate/infancy/ childhood leading to discussion and report writing. 7. Identify appropriate features of physical social environment at home that will promote all round development in young children. 8. Conducting program to promote healthy living/development four social skills among children 	<p>Point number 2 has been removed as it is being covered in HSM804</p> <p>Point number 4 and 5 have been merged.</p> <p>Content has been enriched</p>

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Title: Principles of Design Revised Title: Interior Design and Decoration
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM303 (Now HSM 403)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semester
9.	Faculty who will teach the course	Mrs. Poonam Sinha
10	Will the course require visiting faculty	No
11	Course Objectives	<ul style="list-style-type: none"> To impart knowledge regarding elements of art and design To equip the students with the ability to apply elements of art and design in interior designing. To improve the understanding of students regarding furnishings.

Course No.	Existing Status	Proposal for change	Justification
HSM303 (Now HSM 403) Class: BA/BSc(HS), Status: major course, Total Credits:4, Periods(55 mts. each)/week: 4 (L-4-T-0-P/S-0), Min.pds./ sem.:52	UNIT 2: PRINCIPLES OF DESIGN UNIT 3: COLOUR UNIT 4: INTERIOR FURNISHING Furniture (a) Types of furniture (b) Furniture arrangement in home (c) Factors influencing the selection of furniture (ii) Criteria for selection of curtains, draperies and soft furnishing (iii) floor and floor covering: carpet and rugs (iv) Wall, ceilings and their treatments.	UNIT 2:PRINCIPLES OF COMPOSITION UNIT 3:COLOUR AND ITS APPLICATION UNIT 4:FURNITURE AND FURNISHINGS (i)History of interior design(ii) Furniture (a) Types of furniture (b) Furniture arrangement in home (c) Factors influencing the selection of furniture (iii) Criteria for selection of curtains, draperies and soft furnishing (iv) floor and floor covering: carpet and rugs (v) Wall, ceilings and their treatments.	Contemporary Unit Titles have been given The content has been upgraded and modified as pre CBCS guidelines

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	App. of Principles of Design-Pract Proposed Title: Interior Design and Decoration-Practical
3.	L-T-P structure	0-0-4
4.	Credits	2
5.	Course number	HSM304 (Now HSM 404)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semester
9.	Faculty who will teach the course	Mrs. Poonam Sinha
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To give practical training on application of elements of art and principles of design in interior designing Development of skills in creating design and making art objects. Impart knowledge on furnishings.

Course No.	Existing Status	Proposal for change	Justification
HSM304 (Now HSM404) Class: BA/BSc(HS) Status: Major Course Total Credits:2, Periods(55mts. each)/week: 4 (L-0-T-0-P/S-4, Min.pds./sem.:52	UNIT 1: 1. Prang Colour Wheel, 2. Value chart, 3. Colour Harmonies UNIT 2: Prepare plans to furnish Bed-room, Drawing-room, Dining-room. UNIT 5: Projects- portfolio on furniture items and polishes for different areas available in the market.	UNIT 1: Preparation of catalogue comprising pictures denoting application of Art & Elements of Design; Colour - Colour Wheel, Dimension & Harmonies of Colour UNIT 2: Preparation of manual/computer aided plans to furnish Bed-room, Drawing-room, and Dining-room UNIT 5: Preparation of portfolio based on historical designs & market review of furniture and furnishing materials (upholstery, curtains and draperies, bed & table linen) - Wall coverings & decorations - Floor coverings & decorations - Window & door treatments - Lighting systems -Artifacts: (sculptures, ceramics /terracotta, handicrafts, flower arrangements.) - Fittings and fixtures - Wood and its substitute	The content has been elaborated and described vividly.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Community Nutrition Practical
3.	L-T-P structure	0-0-4
4.	Credits	2
5.	Course number	HSM311 (Now HSM411)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Prof. Gul Mathur
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To sensitize the students regarding nutrition problems and needs of community. • Develop the skills of preparation of AV Aids • To develop the skill of working with rural/ slum people

Course No.	Existing Status	Proposal for change	Justification
HSM311 (Now HSM411) Class: BSc(HS), Status: Major, Total Credits:2, Periods(55 mts. each)/week: 4(L- 0-T-0-P/S-4), Min.pds./sem.:52	UNIT 1: Preparation of teaching aids for imparting nutrition education & child care. Arranging an exhibition in village.	UNIT 1: (a) Nutrition assessment of different age groups using various assessment anthropometric tools. (b) Preparation of teaching aids for imparting nutrition education for Rural/Slum Women. (c) Arranging an exhibition in village.	To ensure that the practical work is based on actual needs

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Ext. Edu.& Community Development
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM401 (Now HSM 303)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr.MadhulikaGautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	By the end of the course the students will have an <ul style="list-style-type: none"> • Understanding of the concept and scope of extension in national development • Understanding of community development programs of the country

Course No.	Existing Status	Proposal for change	Justification
HSM401 (Now HSM 303) Status: Major Course Total Credits:4, Periods(55 mts. each)/week: 4 (L-4-T-0-P/S-0), Min.pds./ sem.:52	<p>UNIT 1: EXTENSION EDUCATION</p> <p>(a) Meaning, philosophy, objective, function, elements and scope of extension education, extension activities in India pre-independence and post independence</p> <p>(b) Difference between extension education, adult education, social education and function literacy</p> <p>(c) India's need for home Science extension education.</p> <p>(d) Role of extension person in community development programme- Role and qualities of extension worker, teacher. Subject matter specialist and other functionaries.</p> <p>UNIT 2: TEACHING LEARNING PROCESS:</p> <p>(a) Meaning, teaching process and principles of teaching, characteristics of teaching</p> <p>(b) Approaches and methods of extension education: Methods of approaching people individual, group and mass approach techniques. Classification of teaching methods, advantages and limitation of extension methods.</p> <p>UNIT 3: AUDIO-VISUAL AIDS FOR TEACHING LEARNING PROCESS & ITS CLASSIFICATION</p> <p>(a) Audio Aids- Radio, tape recorder, telephone etc</p> <p>(b) Visual Aids- Charts, poster, leaflet, folder pamphlet flashcards slides, film strip, model etc.</p> <p>(c) Audio- Visual Aids- Television, Drama, puppet show etc.</p> <p>UNIT 4: COMMUNITY DEVELOPMENT PROGRAMME</p> <p>a) Meaning, elements, principles and philosophy of community development and its types.</p> <p>b) Evolution and history of community development programmes in various five year plan in India.</p> <p>c) Structure and functions of the Programme at various levels.</p> <p>UNIT 5: SUPPORT STRUCTURES AND THEIR FUNCTIONS</p> <p>(a) Panchayat, panchayat union-meaning, role in rural development, function NREGA</p> <p>(b) Central Social Welfare Board</p> <p>(c) State Social Welfare Board</p> <p>(d) National level voluntary Agencies like DRDA, CAPART, KVIC, etc.</p> <p>(e) Local level voluntary Agencies, People's Organizations at grass roots-SHG's.</p>	<p>UNIT 1: EXTENSION EDUCATION</p> <p>a) Historical perspectives of extension education</p> <p>b) Objectives of Home Science extension education</p> <p>c) Role and duties of extension worker</p> <p>d) Relationship between communication and extension :Role of extension in development</p> <p>e) Millennium Development Goals (MDG and extension)</p> <p>UNIT 2:TYPE OF EDUCATION</p> <p>a) Define – formal, Non formal education ,Adult education</p> <p>b) Extension education – Meaning ,philosophy, objective, principle</p> <p>UNIT 3: HISTORY OF EXTENSION ACTIVITY</p> <p>a) Extension activity in India pre independence</p> <p>b) Extension activity in India post independence</p> <p>UNIT 4: COMMUNITY DEVELOPMENT PROGRAM</p> <p>a) Meaning, elements, objective, principles and philosophy of community development</p> <p>b) History of community development programmes in various five year plan in India</p> <p>c) Structure and function of the programme at various levels</p> <p>UNIT 5:SUPPORT STRUCTURES AND THEIR FUNCTIONS</p> <p>a) Women and child development program, Panchayat raj system</p> <p>b) National level voluntary Agencies like DRDA,CAPART,KVIC etc</p> <p>c) Local level voluntary agencies, people's organizations at grass roots-SHG's</p> <p>Government of India (Ministry of food and agriculture): Extension education and Community Development</p>	Modified as per the CBCS requirement

Course No.	Existing status	Proposal for change	Justification
<p>HSM 402 (Now HSM 304) Class: BA/BSc(HS) Status: Major Course Total Credits:2 Periods(55 mts. each)/week: 4 (L-0-T-0-P/S-4), Min.pds./sem.:52</p>	<ul style="list-style-type: none"> • Survey of nearby slum and rural areas to get acquainted with their social, culture problems and other specific problems • Submission of project related to the survey. • Basic skills (lettering and layout) of various Audio-visual Aids. • Preparation and use of Audio visual aids display, distribution and used with teaching methods 	<ol style="list-style-type: none"> 1. Survey of nearby slum and rural areas to get acquainted with their social, culture problems and other specific problems 2. Submission of project related to the survey. 3. Layout and Designing AV Aids with the help of Computers 4. Use of Audio visual aids to impart extension education in the nearby rural/slum area. 	<p>For enrichment and precise explanation</p>

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Intro. To Family Resource Management
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM 403 (Now HSM310)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Mrs. Poonam Sinha
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To understand the significance of resource management in contemporary context. To acquire the ability to apply facts and principles for decisions related to use of different resources.

Course No.	Existing Status	Proposal for change	Justification
HSM 403 (Now HSM310) Class: BSc(HS), Status: Major Course Total Credits:4, Periods (55 mts. each)/week:4 (L-4-T-0-P/S-0), Min.pds./sem.:52	UNIT 1: INTRODUCTION TO HOME MANAGEMENT (i) Meaning of Home Management, Process-Planning, Organising Controlling and Evaluation (ii) Factors motivating management (a) Values - classification, sources of value, characteristics, factors influencing values, its importance for sound management, (b) Goals-Types importance for directing management, factors influencing goals (c) Standards-conventional and modern, flexible & rigid discipline.	UNIT 1: INTRODUCTION TO HOME MANAGEMENT (i) Meaning of Home Management, Process-Planning, Organising Controlling and Evaluation (ii) Factors motivating management (a) Values - classification, sources of value, characteristics, factors influencing values, its importance for sound management, (b) Goals-Types importance for directing management, factors influencing goals (c) Standards-conventional and modern, flexible & rigid discipline. (d) Ethics in management	Ethics in management has been added to the existing content

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Intro. To Family Resource Pract. Title Revised: Intro. To Family Resource Management Pract.
3.	L-T-P structure	0-0-4
4.	Credits	2
5.	Course number	HSM 404 (Now HSM311)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center No
	7.2	Overlap with any UG/PG course of another dept/center No
8.	Frequency of offering	Every Alternative Semester
9.	Faculty who will teach the course	Mrs Poonam Sinha
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To impart practical skills regarding techniques of financial management. To impart knowledge regarding labour saving devices available in market for energy management. To develop an understanding of kitchen layouts.

Course No.	Existing Status	Proposal for change	Justification
HSM 404 (Now HSM311) Class: BSc(HS), Status: Major Course, Total Credits:2, Periods(55 mts. each)/week:4 (L-0-T-0-P/S-4), Min.pds./sem.:52	UNIT 2 Each student to select some household tasks, analyze them, suggest improvement to be made regarding time management.	UNIT 2 (a) Each student to select two household tasks, analyze them, suggest improvement to be made regarding time management. (b) Identification and development of self as a resource-SWOT analysis added	Course content has been upgraded as per CBCS guidelines

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Journalism and Social Marketing Revised Title -Journalism and Advertising
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM503 (Now HSM 401)
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center No
	7.2	Overlap with any UG/PG course of another dept/center No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	The course will help the students to develop an understanding of: <ul style="list-style-type: none"> • The process, functions and techniques of journalism with reference to print, electronic and other modern media. • The relevance, potential and use of media as tools of journalism. • To familiarize with skills related to advertising

Course NO.	Existing Status	Proposal for change	Justification
HSM503 (Now HSM 401) Class: BA/BSc(HS) Status: Major Course Total Credits:4, Periods(55 mts. each)/week: 4 (L-4-T-0-P/S-0), Min.pds./sem.:52	<p>UNIT 1: DEVELOPMENT JOURNALISM</p> <p>(a)Growth, Nature, Scope and Significance, (b) Need for development journalism, Social- economic and cultural context of India, (c) Issues and problems for media professionals, Global scenario of development journalism in Asia, Europe, America.</p> <p>UNIT 2: DEVELOPMENT JOURNALISM: PERSPECTIVE AND APPROACHES</p> <p>(a) Development issues faced by India: need for clear understanding of problems, inter linkages and holistic perspective, role of development journalism in furthering the appropriate perspective and the challenges, (b) Approaches to development journalism: short term and long term, isolated, integrated. Sensational and others case studies.</p> <p>UNIT 3: DEVELOPMENT JOURNALISM IN PRINT MEDIA</p> <p>(a) Status of Development journalism in national and regional dailies, magazines and journals, challenges, ahead, print media policy with respect to space and quality of reporting for development journalism, (b) photo journalism and written journalism; principles, techniques for enhancement, media research and development journalism, problems of print media professionals in development journalism and role of advocacy.</p> <p>UNIT 4: DEVELOPMENT JOURNALISM IN RADIO AND TV</p> <p>(a) Policy perspectives, Available space, time, value and cost, Advocacy to promote value for development journalism, (b) Changing trends in development journalism on Radio and T.V. as a result of media liberalisation and globalisation cast studies; global, national and regional perspectives. Video for Development: Project design for video journalism, policy perspectives, challenges ahead; technical, space, financial, other, successful experiments like SEWA video, etc. Cyber Journalism: Relevance scope,</p>	<p>UNIT 1: INTRODUCTION TO JOURNALISM</p> <p>(a) Definition, nature and scope of journalism (b) History and types of journalism (c) Role and responsibilities of journalists (d) Media laws and ethics (e) Media organizations – government and corporate</p> <p>UNIT 2: NEWS REPORTING</p> <p>(a) Definition of news, ingredients and qualities of news (b) News values (c) Types of news reports (d) News agencies- national and international (e) News reporting and editing</p> <p>UNIT 3: TYPES OF REPORTING</p> <p>(a) Types of reporting (b) Issues in development reporting (c) Tasks and skills of a development reporter</p> <p>UNIT 4: JOURNALISTIC SKILLS FOR VARIOUS MEDIA</p> <p>(a) Print journalism- fundamentals of good writing, writing editorials and features (b) Television journalism- writing for television news, features and panel discussions (c) Radio journalism- writing for radio news and features (d) Convergence journalism</p>	<p>The course was earlier Journalism and Social Marketing. It has now been revised as Journalism and Advertising. The content has been accordingly modified.</p>

	<p>reach, Web designing techniques, challenges of content, presentation, reach, economics, others policy perspectives, challenges ahead, global and national perspective to cyber journalism.</p> <p>UNIT 5: SOCIAL MARKETING AND ADVERTISING (a) Social advertising and commercial advertising: definitions, need, scope, understanding marketing and social marketing; 3p, 4p and 5p models, terms of social marketing and social advertising, (b) Similarities and differences between commercial marketing of products and services and social marketing, (c) Approaches to Social advertising and marketing, Social advertising as developmental communication model.</p>	<p>UNIT 5: ADVERTISING (a) Definition, types, origin and role (b) Types of advertisements and their impacts (c) Media for Advertising (d) Ethical and legal aspects in advertising. Apex bodies in advertising</p>	
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COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Housing-Practical
3.	L-T-P structure	0-0-6
4.	Credits	3
5.	Course number	HSM505
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Seema Kashyap
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • Development of the skill of drawing housing plans. • To develop an understanding of the factors influencing space, design and organization for optimum comfort and functionalism.

Course No.	Existing Status	Proposal for change	Justification
HSM 505 Class: BA/BSc(HS), Status: Major Course, Total Credits:3, Periods(55mts. each)/week:6 (L-0-T- 0-P/S-6), Min.pds./sem.:78	UNIT 1: a) Steps in making plans b) Analysis of house plans c) Application of principles of planning UNIT 2: Developing house plans based on economic factors- EWS, LIG, MIG, HIG. UNIT 3: Identification of building materials-Merits & demerits.	UNIT 1: (a) Housing by-laws and symbols (architectural, plumbing, electrical, furniture), (b) Application of principles of planning in makinghouse plans, different types of plans (site plan, layout plan, floor plan, elevation, section plan) and their analysis UNIT 2: Preparation of (Computer aided /manual) house plans for different income groups UNIT 3: Survey of characteristics of building materials and their evaluation with respect to their uses and applications, cost and environment friendliness.	Course content has been upgraded and enriched

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Human Development II - Practical
3.	L-T-P structure	0-0-6
4.	Credits	3
5.	Course number	HSM 605
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternative semester/
9.	Faculty who will teach the course	Prof. Ravi Sidhu
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To acquire the skills and communication ability of working with people from adolescence to old age. • To give practical experience of working with people from adolescence to old age

Course No.	Existing Status	Proposal for change	Justification
HSM 605 Class: BA/BSc(HS), Status: Major Course, Total Credits:3, Periods (55 mts. each)/ week:6 (L-0-T-0-P/S-6), Min.pds./ sem.:78	1. Preparing a visual and audio visual aid on any current issue of Human Development. 2. Assessing the attitude of young adults towards marriage, family and career. 3. Preparing and administrating a survey Performa for identifying problems of any two stages of Human Development and studying the methods of resolving the identified problems. 4. Critical evaluation of any one welfare programme/service 5. Organizing a youth programme for sensitizing them on any social issue 6. Visit any one institutionalized setup for the person with special needs and reporting a case history of one inmate by each student. 7. Developing an intergenerational (of more than two generations) network comprising of at least ten people, organizing at least one intergenerational group activity by each student.	1. Preparing and administrating a survey perform for identifying problems of any two stages of Human Development and suggesting methods of resolving the identified problems. 2. Critical evaluation of any one welfare program/service. 3. Organizing a youth program for sensitizing them on any social issue. 4. Visit to a institutionalized setup for the person with special needs and reporting a case history of one inmate. 5. Developing an intergenerational (of more than two generations) network comprising of at least ten people, organizing at least one intergenerational group activity by each student. 6. Writing a brief biography to analyze the relationship with a close friend 7. Analysis of print and audio visual media to understand interpersonal relationship.	Point Number one is removed as students are learning to prepare A-V Aids in extension Courses The course has been modified to include exercises on interpersonal relationship.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Theories of Human Development Title Changed: Theories of Human Development-II
3.	L-T-P structure	5-0-0
4.	Credits	4
5.	Course number	HSM703
6.	Status	Major
7.	Status vis-a-vis other courses (give courses numbers/title)	
7.1	Overlap with any UG/PG course of the dept/center	No
7.2	Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Prof. Ravi Sidhu
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To examine theories in context of Human development and Family Relations. • To understand the practical applications of a theory to understand the human behavior

Course No.	Existing Status	Proposal for change	Justification
HSM703 Class: MSc(HS), Status: Major Course, Total Credits:4 Periods(55 mts. each)/week:5 (L-5-T-0- P/S-0), Min.pds./sem.:65	Course Title: THEORIES OF HUMAN DEVELOPMENT	Revised title THEORIES OF HUMAN DEVELOPMENT-II	New course HSM 602 THEORIES OF HUMAN DEVELOPMENT-I has been introduced hence this course is renamed as THEORIES OF HUMAN DEVELOPMENT-II

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Advanced Family Resources Pract. Title Changed: Advanced Family Resource Mgt Pract
3.	L-T-P structure	0-0-6
4.	Credits	3
5.	Course number	HSM 810
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Seema Kashyap
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To develop the ability to optimize the use of human resources. To understand the environmental factors contributing to productivity, safety, control and wellbeing of individual at work. To understand the need and the ways of energy conservation.

Course No.	Existing Status	Proposal for change	Justification
HSM 810 Class: MSc(HS), Status: Major Course Total Credits: 3, Periods- (55 min. each)/week:6 (L-0-T-0-P/S-6), Min.pds./ sem:78	UNIT 3: Make drawings according to self-measurements for study area. UNIT 4: Making kitchen elevation plans for work areas. Making of Kitchen elevation Plans for work areas	UNIT 3: Making of drawings according to self-measurements for study area. Making of Kitchen elevation Plans for work areas UNIT 4: Experiential learning through field visit: Sewage treatment plant/Rain WaterHarvesting System/ Biogas Plant/ Green Building	UNIT 4 Merged with UNIT 3 Course content has been upgraded as per CBCS guidelines

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Applied Research Methodology
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM954
6.	Status	Major
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Dr.RichaVerma
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> To understand the significance of research methodology in Home Science research. To understand the types, tools, and methods of research and To develop the ability to construct research appropriate data gathering instruments To develop the ability to apply appropriate statistical technique for research.

Course No.	Existing Status	Proposal for change	Justification
HSM 954 Class: M. Phil. Status: Major Course Total Credits: 4, Periods- (55 min. each)/week:5 (L-5-T-0-P/S-0), Min.pds./ sem:65	UNIT 1: INTRODUCTION TO RESEARCH a. Introduction to research methodology. Types of research, Phenomenology, Ethical and other related issues (e.g., patents, copyright, plagiarism, etc.), Construction of (i) rating scale and (ii) attitude scale, Establishment of reliability, validity and norms of an established test. UNIT 4: RESEARCH DESIGN AND DATA ANALYSIS Quantitative analysis of data, Analysis of variance and multiple regression analysis, Qualitative analysis of data; Content analysis, Discourse analysis, Conversational analysis, Ethnographic researches, Software packages for data analysis.	UNIT 1: INTRODUCTION TO RESEARCH a. Introduction to research methodology. Types of research, Ethical and other related issues (e.g., patents, copyright, plagiarism, etc.), Construction of (i) rating scale and (ii) attitude scale, Establishment of reliability, validity and norms of an established test. UNIT 4: DESIGN AND ANALYSIS OF QUALITATIVE AND QUANTITATIVE DATA (a) Quantitative methods: Analysis of variance and multiple regression analysis, (b) Qualitative analysis of data; Content analysis, Discourse analysis, Conversational analysis, Ethnographic researches, Phenomenology. (c) Software packages for data analysis.	Phenomenology has been shifted to unit 4 Unit Title reworded and content broken into subunits

BVOC FOOD PROCESSING PRESERVATION

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Fundamentals of Biochemistry-I
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	VHS 111
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Mrs. Hema Panwar
10.	Will the course require visiting faculty	No
11.	Course Objectives	This course will enable the students to:- <ul style="list-style-type: none"> • Get acquainted with the composition and nutritional aspects of different foodstuffs • Understand theoretical aspect for ensuring food quality.

Course No.	Existing Status	Proposal for change	Justification
VHS 111 Class: B.Voc.- (Food Processing & Preservation) Status: Major Course Total Credits: 4, Periods (55mts. each)/week: 4 (L-3-T-0-P/S-0), Min.pds./sem.:52	UNIT 1: CARBOHYDRATES Carbohydrate - Classification, Structure and properties of carbohydrates, Monosaccharide and related compounds, disaccharides, polysaccharides, Inter conversion of hexodes, sugar derivatives of biomedical importance UNIT 2: LIPIDS Lipids – Classification, Structure and properties of fatty acids, triglycerides, Phospholipids and derivatives, Cholesterol and derivatives, Dietary fats, biological functions of lipids, glycolipids. UNIT 3: AMINO ACIDS AND PROTEINS Amino acids - Classification and structure, properties, reactions and identification techniques, Isoelectric points of amino acids, Formation of peptide linkages, amide plane and biological activity Protein - Structure and organization, physico-chemical properties and functional diversity of proteins UNIT 5: MINERALS Minerals: Biochemical role of inorganic elements-calcium, phosphorous, magnesium, iron, copper, sodium, potassium, iodine, fluorine and zinc.	UNIT 1: CARBOHYDRATES (a) Carbohydrate - Classification, Structure and properties of carbohydrates, Monosaccharide and related compounds, disaccharides, polysaccharides, Inter conversion of hexodes, sugar derivatives of biomedical importance (b) Browning reactions: Enzymatic & non-enzymetic reactions, Fibers in food: Soluble & non soluble UNIT 2: LIPIDS (a) Lipids – Classification, Structure and properties of fatty acids, triglycerides, Phospholipids and derivatives, Cholesterol and derivatives, Dietary fats, biological functions of lipids, glycolipids. (b) Melting point, cloud point, viscosity, plasticity of lipids UNIT 3: AMINO ACIDS AND PROTEINS (a) Amino acids - Classification and structure, properties, reactions and identification techniques, Isoelectric points of amino acids, Formation of peptide linkages, amide plane and biological activity (b) Protein - Structure and organization, physico-chemical properties and functional diversity of proteins (c) Acid/ base chemistry, protein solubility, properties of egg albumin. UNIT 5: WATER AND MINERALS IN FOOD (a) Minerals: Biochemical role of inorganic elements-calcium, phosphorous, magnesium, iron, copper, sodium, potassium, iodine, fluorine and zinc. (b) Properties of water: solute exclusion, freeze and thaw phenomenon	Addition of missing content has been done to upgrade the course

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science	
2.	Course Title	Elements of Microbiology-I	
3.	L-T-P structure	4-0-0	
4.	Credits	4	
5.	Course number	VHS 112	
6.	Status	Major Course	
7.	Status vis-a-vis other courses (give courses numbers/title)		
	7.1	Overlap with any UG/PG course of the dept/center	No
	7.2	Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester	
9.	Faculty who will teach the course	Mrs. Hema Panwar	
10.	Will the course require visiting faculty	No	
11.	Course Objectives	This course will enable the students to:- <ul style="list-style-type: none">• Understand the nature of microorganisms• Understand the principles and methods used in prevention and control of microorganisms in food.	

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science	
2.	Course Title	Principles of Food Processing	
3.	L-T-P structure	4-0-0	
4.	Credits	4	
5.	Course number	VHS 114	
6.	Status	Major Course	
7.	Status vis-a-vis other courses (give courses numbers/title)		
	7.1	Overlap with any UG/PG course of the dept/center	No
	7.2	Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester	
9.	Faculty who will teach the course	Mrs. Hema Panwar	
10.	Will the course require visiting faculty	No	
11.	Course Objectives	At the end of this course the students will have an understanding of:- <ul style="list-style-type: none">• The principles of food processing• Safe handling food and agricultural products.	

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Food Microbiology
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	VHS 312
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Mrs. Hema Panwar
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none">• Develop an understanding of the principles of food microbiology• Obtain an insight into the microbial spoilage of the food products and their preservation.

Course NO.	Existing Status	Proposal for change	Justification
VHS 312 Class: B.Voc (Food Processing & Preservation), Status: Major Course Total Credits: 4, Periods (55 mts. each)/week:3 (L-3 - T-1-P/S-0), Min.pds./sem.:52	UNIT 1: Introduction , History and development in food microbiology ; Microorganisms as source of food , SCP, Spirulina, Mushroom, Yeasts, cheese and dairy products , fermented products; food legislation ; role of food microbiologist UNIT 2: Significance of microorganism in foods, Food as a medium for growth of microorganism, Microorganism in fresh foods- meat, poultry, egg, fruits and vegetables, milk ;naturally occurring toxic substances in food : mycotoxins etc. Microbial examination of food: sampling, analysis UNIT 3: Microbial spoilage of foods, Intrinsic & extrinsic factor for food spoilage & preservation processes , Food and water borne diseases and infection caused by bacteria ,virus, protozoa etc., General control measures for prevention of food and water borne disease. Microorganisms of water: Distribution of microorganism in aquatic environment Role of aquatic microorganism: drinking and waste water UNIT 4: General principles of food preservation: aseptic handling, dehydration, osmotic pressure. Food preservation alternatives:-Physical removal of microorganism; temperature effects; preservation by chemicals & radiation; food service industry UNIT 5 Microbiology of dairy and dairy products: kinds of milk; composition and properties of milk ,fortification of milk; pasteurization ; testing and grading of milk ;sources of microorganisms in milk; microorganism and milk products (cheese, yogurt, cream, buttermilk) fermented foods : Wine, beer, other fermented alcoholic beverages .Bread & other fermented products	UNIT 1:FOOD &MICROBES Food &Microbes: Food as a substrate for microbes, Significance of microorganism in foods, Microbes important in food microbiology, Contamination of food, General Principles of spoilage. UNIT 2:PRINCIPLES OF FOOD PRESERVATION Principles of preparation of food in relevance to microbiology: General principles of food preservation, Preservation by use of high temperature, low temperature, Drying, food additives & radiation. UNIT 3: FOOD CONTAMINATION, PRESERVATION & SPOILAGE -I Contamination, Preservation & Spoilage of different kinds of foods of plant origin: Contamination, Preservation and spoilage of cereals & cereal products, sugars & sugar products, vegetables & fruits, heat canned foods UNIT 4: FOOD CONTAMINATION, PRESERVATION & SPOILAGE -II Contamination, Preservation & Spoilage of different kinds of foods of animal origin: Contamination, Preservation and spoilage of meats& meat products, fish & other seafoods, eggs, poultry, Milk & Milk products UNIT 5: MICROORGANISMS AS SOURCE OF FOOD SCP, Spirulina, Mushroom, Yeasts, cheese and dairy products , fermented products. Food-borne illness : Bacterial food infections & Intoxication – Clostridium, Vibrio, E.Coli, Bacillus, Yersinia, Campylobacter, Listeria ; Mycotoxins. Microbiology & food sanitation : GMP & HACCP & the role of food microbiologists.	The entire course has been reworded and elaborately written maintaining the original content

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Industrial Microbiology
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	VHS 412
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Mrs. Hema Panwar
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • Develop an understanding of the principles of food microbiology • Obtain an insight into the microbial spoilage of the food products and their preservation.

Course No.	Existing status	Proposal for change	Justification
VHS 412 Class: B.Voc (Food processing and preservation), Status: Major Course, Total Credits: 4, Periods (55 mts. each)/week:4 (L-4 - T-0-P/S-0), Min.pds./sem.:52	UNIT 1: Microbial growth processes: Microbial culture, medium development & growth condition, strain selection, improvement & preservation. UNIT 2: Microbial processes and products, Products of microbial synthesis:-In medicine-antibiotics; Enzymes:- Properties, Application of microbial enzymes in agriculture biotechnology Enzymes in food industry, amino acids, UNIT 3 Microbes in Industry: Alcoholic fermentation technology:- Production of alcoholic beverages, Organic acid production , In dairy industry , In soil improvement , as research tools UNIT 4: Biodegradation enhancement: Stimulation of oil spill degradation; bioleaching of metals , Microbial cells and products for immunization. Microorganism for insect control. Microorganism and recovery of raw material. Bioremediation. UNIT 5: Fermenters and bioreactors: microbes for bioreactors . Biosafety: IPR and IPP WIPO; Trade marks; Patents; Copyrights ;Some cases of patenting of food materials	UNIT 1: GENERAL MICROBIOLOGY Microbial Metabolism & energetic, General understanding to enzymes & their regulation, Microbial growth processes: Microbial culture, medium development & growth condition, strain selection, improvement & preservation, Production medium & industrial sterilization, Fermentors & their types UNIT 2 MICROBES IN FOOD INDUSTRY Production of alcoholic beverages, organic acid , enzymes, vitamins, amino acids. Microbes in dairy industry , UNIT 3 MICROBES IN MEDICINE Microbes in other industries and thier products: In medicine –antibiotics & vaccine production, in agriculture biotechnology in soil improvement & insect control, in bio-leaching and as research tools. UNIT 4: MICROBES IN OTHER INDUSTRIES Other industrial application of microbes: Biodegradation enhancement, oil spill degradation; bioleaching of metals, Microorganism and recovery of raw material. Bioremediation. UNIT 5 PATENTS AND COPYRIGHTS Bio safety: IPR and IPP WIPO; Trade marks; Patents; Copyrights ;Some cases of patenting of food materials	The entire course has been upgraded and subtopics of the content have been added to each unit.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Technology of Oilseeds & Spices
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	VHS 414
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center
	7.2	Overlap with any UG/PG course of another dept/center
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Ms. Sonali Johri
10.	Will the course require visiting faculty	No
11.	Course Objectives (about 50 words) Indicating motivation and aims.	<ul style="list-style-type: none"> • To understand the uses of spices and oilseeds in processing industry. • To learn the processing techniques used for oilseeds and spices.

<u>Course No.</u>	<u>Existing Status</u>	<u>Proposal for change</u>	<u>Justification</u>
VHS 414 Class: B.Voc (Food processing and preservation), Status: Major Course Total Credits: 4, Periods (55 mts. each)/week:4(L-4 - T-0-P/S-0), Min.pds./sem.:52	<p>Unit -1 An introduction & production & utilization trends scope & importance of oilseeds & spices processing.</p> <p>Unit -2 Structure & composition of common oilseeds & spices</p> <p>Unit -3 Oilseeds composition, anti nutritional factor, processing and storage</p> <p>Unit - 4 Spices: composition, anti nutritional factor, processing & storage</p> <p>Unit -5 Processing for production of edible oil, meal, flour, protein concentration isolate, extraction cooking techniques</p>	<p>Unit -1Spices Spices – Brief History of spices, general functions of spices, classification of spices, uses of vegetables/fruits as spices, uses of spices.</p> <p>Unit – 2 Processing of Spices processing & storage of: spices, garlic, ginger, coriander, turmeric and their uses</p> <p>Unit -3 Oilseed Structure & composition of oilseed - general structure of oilseeds, general composition of oilseeds, classification of oils, value-addition using oilseeds. anti nutritional factors in Oil Seeds</p> <p>Unit -4 Post Harvest Technology of oilseeds Handling, Drying and storage, grading, Pre treatments, cleaning, Heat Treatment, Recovery of Oil, the ghanies, the expellers, solvent extraction plans, refining and vanapati production, packaging of oil, utilization of deoiled cake/meal, marketing of oil seeds</p> <p>Unit – 5 Utilization of Oil Seeds Processing for production of Coconut oil, groundnut oil sesame oil, peanut butter. Processing for production of edible oil, meal, flour, protein concentration isolate, extraction cooking techniques</p>	The entire course has been upgraded and subtopics of the content have been added to each unit.

BVOC APPAREL MANUFACTURING
COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Boutique Management
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	VHS 409
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr.Charu Swami
10.	Will the course require visiting faculty	No
11.	Course Objectives	<p>By the end of the course the students will have a knowledge of</p> <ul style="list-style-type: none"> • Concepts of Fashion retail and Boutique environment • Requirements for opening up a boutique • Importance of choosing location, visual merchandising, store environment and other related factors involved in opening up of a boutique • The steps involved in effective management and running of a successful boutique.

Course No.	Existing status	Proposal for change	Justification
HSM VHS 409 Class:B.Voc (Apparel Manufacturing) Status: Major Total Credits:3, Periods (55 mts. each)/week: 3 (L-3,T-0,P/S-0), Min.pds./sem.:39	<p>UNIT 1: THE BOUTIQUE ENVIRONMENT Fashion Retailing, The Boutique Marketplace, demand, The Owner's Role, Choose a Location, target customer</p> <p>UNIT 2: PLANNING YOUR BOUTIQUE Get Inspired, Niche Market, Business Options, Business Plan, Collection of raw material, sourcing, Start-Up Costs and Funding, Sampling.</p> <p>UNIT 3: PREPARING TO OPEN Sources of Inventory, visual merchandising, Pricing Merchandise, Hiring Your Staff, Legal Matters, advertising and publicity.</p> <p>UNIT 4: RUNNING YOUR BOUTIQUE Merchandizing, Effective Sales Techniques, Store Operations, Managing Your Staff, Attracting Customers, development of purchase orders, development of final products.</p> <p>UNIT 5: MANAGEMENT OF A BOUTIQUE Resource management (Time, money and energy), Product delivery, customer satisfaction, Feedback.</p>	<p>UNIT 1: FASHION RETAIL & BOUTIQUE (a) Fashion Retailing, Apparel Retail brands (b) Types of Fashion Retail Outlets (c) Boutiques & Fashion (d) The Boutique Owner & Benefits of the Career</p> <p>UNIT 2: THE BOUTIQUE ENVIRONMENT (a) Scanning the Environment (b) Conducting Feasibility study, its components (c) Preparing a business plan, its importance, contents, formats (d) Summary of tasks & Checklist involved in opening a boutique: (e) Start up cost & Funding</p> <p>UNIT 3: PREPARING TO OPEN (a) Choosing an appropriate Location: Factors, Importance (b) Types of Location and Trading area analysis (c) Boutique Design, Layout & Visual Merchandizing: Importance, Principles, & Elements & presentations (d) Store Environment: Types of displays & props, lighting, colours, fixtures, mannequins, signage, music and related aspects (e) Hiring Your Staff, advertising and publicity, Legal matters: Finances, Licenses, permits, Insurance</p> <p>UNIT 4: RUNNING A BOUTIQUE (a)Store Operations, Components of Boutique operations (b) Buying & Sourcing for boutique,its components, specifications (c) Inventory of a boutique, functions, sources & inventory methods (d) Effective Sales & Pricing Techniques, methods & pricing strategies</p> <p>UNIT 5: MANAGEMENT OF A BOUTIQUE (a) Resource management (Time, money and energy) (b) Managing your staff, Attracting customers, Handling objections (c) Product delivery, customer satisfaction, Feedback. (d)Case studies of few successful boutique owners</p>	Enrichment of content has been done according to the course requirements. The topics have been streamlined as per the contemporary needs.

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Dynamics of Human Communication
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM 201
6.	Status	Major
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To introduce the student to the concept of human communication and its components. • Learn about various types of communication transactions. • To study the various tools and techniques used in the process of communication • To understand the concept of mass media

Course Number: HSM 201, Course Title: DYNAMICS OF HUMAN COMMUNICATION

Class: BA/BSc(HS) Status: MAJOR COURSE, Total Credits:3, Approved since session:2016-2017
Periods(55 mts. each)/week:3(L-3-T-0-P/S-0), Min.pds./sem.:39

UNIT 1: COMMUNICATION; CONCEPTS

(a) Historical background, concept, nature, scope and functions of Communication. (b) Postulates/principles of Communication (c) Elements of Communication and their characteristics

UNIT 2: UNDERSTANDING HUMAN COMMUNICATION

(a) Models of Communication(b) Barriers to Communication(c) Empathy and perception- concept, relevance to communication process(d) Use of signs, symbols and codes in communication.

UNIT 3: TYPES OF COMMUNICATION

(a) Types of communication transactions(b) Formal and informal communication(c) Verbal communication- principles of listening, role of language, symbols and meaning(d) Non-verbal communication- nature and functions

UNIT 4: INNOVATION AND ADOPTION

(a) Meaning of Innovation and adoption (b) Factors influencing innovation (c) Characteristics of innovation (d) Innovation adoption process (e) Classification of Adoption (f) Factor affecting adoption process

UNIT 5: MASS MEDIA

(a) Mass Media- characteristics and significance of print, electronic and web based media (b) Print Media: types, nature, characteristics, reach access (c) Radio: types, nature, characteristics, reach, access (d)Television and cinema: types, nature, characteristics, reach, access (e)Review of media on selected issues

Suggested Readings:

Dahama, O.P. and Bhatnagar, O.P., (2003), Education and Communication for Development, New Delhi, Oxford and IBH Publishing Co. Pvt. Ltd.
Kumar, B. and Hansra, 2000; Extension education for Human Resource Development, Concept Publishers, New Delhi.
Punhani G., Aggarwal S., Bansal S., (2009). Media for Effective Communication, Elite Publishers, Delhi
Baran, S. (2014) Mass Communication Theory. Wadsworth Publishing
McQuail, D. (2000) Mass Communication Theories. London: Sage Publications
Dubey V.K. and Bishnoi I. (2008),Extension Education and Communication, New Age International (p) Limited , Publishers , New Delhi.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Gender and Social Justice
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM 208
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternate semester
9.	Faculty who will teach the course	Dr. Richa Verma
10.	Will the course require visiting faculty	No
11.	Course Objectives	At the completion of the course the students will have an understanding of <ul style="list-style-type: none"> • The concepts relating to gender roles. • Child rights. • Problems and needs of vulnerable groups of society. • Policies and program for social actions.

Course Number: HSM 208, Course Title: GENDER AND SOCIAL JUSTICE

Class: BSc(HS), Status of Course: MAJOR COURSE, Approved since session: 2016-2017 Total Credits: 3, Periods (55 mts. each)/week: 3 (L-3-T-0-P/S-0), Min.pds./sem.: 39

UNIT 1: CONCEPTUALIZING GENDER

(a) Concept of gender (b) Differences between sex and gender (c) Patriarchal social order and status of women (d) Socio Cultural practices influencing women's status development (e) Shifts in Status of women – historical and contemporary perspectives (f) Feminist theories and perspectives (g) Role of Media in construction of gender

UNIT 2: GENDER EMPOWERMENTS

(a) Demographic Profile (b) Issues and concerns related to girls and women in India (c) Media and gender (d) Laws, policies and programs for girls and women in India

UNIT 3: INTRODUCTION TO CHILD RIGHTS

(a) Definitions of child and child rights (b) Key philosophical concepts in the discourse on child rights (c) Factors of exclusion- socio-economic, disability, geo-political etc. (d) Role of family, community & child herself in protecting rights

UNIT 4: VULNERABLE GROUPS: CAUSES AND CONSEQUENCES

(a) Street and working, destitute, homeless, institutionalized children living with: chronic illness, HIV/AIDS, disabilities (b) Affected by war, conflict, riots, disasters (c) Victims of child-trafficking, abuse, dysfunctional families (d) Children in conflict with law

UNIT 5: FRAMEWORK FOR SOCIAL ACTION

(a) Role of government in protection of child rights (b) Laws for Indian Children (c) Constitutional provisions in India (d) National policies and programs.

Suggested Readings:

Menon, N. (2008). *Sexualities: Issues in contemporary Indian feminism*. New Delhi: Sage.

Mohanty, M. (2008). *Class, caste and gender*. New Delhi: Sage.

Saikia, N. (2008). *Indian women: A socio-legal perspective*. New Delhi: Serials publications.

Agnes, F. (1999). *Law and Gender Inequality: The politics of Women's Rights in India*. Oxford University Press.

Bajpai, A. (2006). *Child Rights in India: Law, Policy and Practice*. Oxford University Press.

Satyarthi, K. and Zutshi, B. (Ed) (2006). *Globalization, Development and Child Rights*. New Delhi: Shipra Publication.

Saikia, N. (2008). *Indian women: A socio-legal perspective*. New Delhi: Serials Publication.

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Approaches and A-V Aids for Social Development
3.	L-T-P structure	3-0-0
4.	Credits	3
5.	Course number	HSM 209
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
7.1	Overlap with any UG/PG course of the dept/center	No
7.2	Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	At the completion of the course the students will have an understanding of <ul style="list-style-type: none"> • Approaches in communication and extension. • Communication and extension method. • Skills in preparation, presentation and evaluation of audio visual aid used in extension teaching.

Course Number: HSM 209, Course Title: APPROACHES AND A-VAIDS FOR SOCIAL DEVELOPMENT

Class: BA/BSc (HS), Status: MAJOR COURSE, Approved since session:2016-2017
Total Credits:3, Periods(55 mts. each)/week:3 (L-3-T-0-P/S-0), Min.pds./sem.:39

UNIT 1: APPROACHES IN COMMUNICATION AND EXTENSION

(a) Individual approach (b) Group approach (c) Mass approach

UNIT 2: COMMUNICATION AND EXTENSION METHOD

(a)Direct contact (b) Demonstration (c) Conducting group discussion (d) Arranging tour and exhibition

UNIT 3: AUDIO VISUAL AIDS

(a) Meaning and concept of Audio Visual Aids(b) Importance of Audio Visual Aids in Extension (c) Classification of Audio Visual Aids(d) Layout and designing of no- projected audio visuals aids

UNIT 4: AUDIO AID RECORDING:

(a) Meaning and concept of audio aid (b) Way of recording: Mechanical process- Disk \gramophone recording, (c) Magnetic process- Tape recorder, radio, public address system

UNIT 5: VISUAL AID

(a) Concept of visual aid (b) Planning for use of visuals (c) Projected visual aids (d) Non projected visual aids (e) Layout and design of visual aids with help of computer

Suggested Readings

Dahama, O.P. and Bhatnagar, O.P., (2003), Education and Communication for Development, New Delhi, Oxford and IBH Publishing Co. Pvt. Ltd.

Kumar, B. and Hansra, 2000; Extension education for Human Resource Development, Concept Publishers, New Delhi.

Dubey V.K. and Bishnoi I.,(2008),Extension Education and Communication, New Age International (p) Limited , Publishers , New Delhi.

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Life Sciences
3.	L-T-P structure	4-0-0
4.	Credits	3
5.	Course number	HSM 210
6.	Status	Major
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1	Overlap with any UG/PG course of the dept/center No
	7.2	Overlap with any UG/PG course of another dept/center No
8.	Frequency of offering	Every alternative semester
9.	Faculty who will teach the course	Dr. Nanadini Johri
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • At the end of the course the student will have a conceptual understanding of science and the living world • The students will develop skills necessary to learn zoology and botany and apply it to daily life.

Course Number: HSM 210, Course Title: Life Science

Class: BSc(HS), Status of Course: MAJOR COURSE, Approved since session:2016-2017, Total Credits:3, Periods(55mts. each)/week:3 (L-3-T-0-P/S-4), Min.pds./sem.:39

UNIT 1: Introduction to Plant Kingdom & Animal Kingdom

- (a) (i) Classification of Plant Kingdom & Animal Kingdom (ii) Formation of fruit, seed and embryo (iii) Structure of monocot and dicot seed and seed germination
 (b) (i) Cell theory, electron ,microscopic structure and function of a cell (ii) Cell Division and its significance

UNIT 2: Anatomy of Plants

- (a) Plant cell- structure of chloroplast and cell wall of flowering plants (b)Type of plant Tissues- Meristematic and Permanent tissue (i) Simple Tissue-Parenchyma, Collenchymas, Sclerenchyma and Stomata (ii) Complex tissue- Zylem, Phloem

UNIT 3: Propagation of plants – seed and vegetative

- (a) Seed Propagation (b) Cuttings – stem, leaf and root (c) Layering (d) Grafting

UNIT 4: PHYSIOLOGY

- (a) Important physiological process (Diffusion, Osmosis, and Plasmolysis) (b) Ascent of sap. Absorption of water, transpiration (c) Brief account of photosynthesis and respiration in plants (d) Role of microorganisms in soil fertility (Nitrogen cycle, Sulphur cycle)

UNIT 5:

- (a) Parasites and human diseases (b) Plasmodium, Giardia, Enamoeba, Taenia, Ascarisetc(c) Economics importance and control of common household pests e.g. cockroach, housefly, mosquitoes and termites.(d) Identification and control of important stored grain pests.

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Development Communication
3.	L-T-P structure	5-0-0
4.	Credits	5
5.	Course number	HSM 312
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
7.1	Overlap with any UG/PG course of the dept/center	No
7.2	Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	At the completion of the course the students will have an understanding of <ul style="list-style-type: none"> • To understand the concept of development communication. • To understand the various models of development as well as mass communication. • To understand the use of traditional as well as modern media for the purpose of development.

Course Number: HSM 312, Course Title: DEVELOPMENT COMMUNICATION

Class: BA/BSc (HS) Status: MAJOR COURSE, Approved since session:2016-2017

Total Credits:5, Periods(55 mts. each)/week:5 (L-5-T-0-P/S-0), Min.pds./sem.:65

UNIT 1: CONCEPT OF DEVELOPMENT COMMUNICATION

(a) Role of communication in development (b) Development communication– concept, history and scope (c) Features of development communication

UNIT 2: PERSPECTIVES TO DEVELOPMENT COMMUNICATION

(a) Communication perspectives in development – models and approaches(b) Philosophy and Approaches to development communication(c) Development Support Communication – concepts and applications(d) Emerging development communication trends and innovations

UNIT 3: BEHAVIOURAL CHANGE COMMUNICATION (BCC) AND DEVELOPMENT COMMUNICATION

(a) Relationship between culture and communication Scope of development communication and BCC (b) Models of BCC

UNIT 4: MEDIA FOR DEVELOPMENT

(a) Role of traditional and mass media in development communication (b) Innovative media and methods in Development (c) Success stories in Development Communication

UNIT 5: ORGANIZATION, PUBLIC AND MASS COMMUNICATION

(a) Organizational communication: concept, types, functions and networks (b) Public communication-concept and techniques(c) Mass Communication- concept, significance, functions and elements (d) Theories and models of mass communication(e) Intercultural communication-concept, stages and barriers

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Journalism and Advertising Pract.
3.	L-T-P structure	0-0-4
4.	Credits	2
5.	Course number	HSM 402
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To develop skills in preparation and use of various media in journalism. • To develop skills for scripting and production of selected media. • To develop an understanding of the fields of advertising • To enable the students to use advertising as a tool for promotion of products, services and ideas.

Course Number: HSM 402, Course Title: JOURNALISM AND ADVERTISING PRACT.

HSM 402, Class: BA/BSc(HS) Status: MAJOR COURSE, Approved since session:2016-2017, Total Credits:2, Periods(55 mts. each)/week:4 (L-0-T-0-P/S-4), Min.pds./sem.:52

1. Content writing and editing for print, television and radio media
2. Scripting and production of selected media
3. Analyzing advertisements in different media
4. Developing advertisements for print media

COURSE TEMPLATE

1.	Department/Centre proposing the course	Home Science
2.	Course Title	Care and Well-Being in Human Development
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM 412
6.	Status	Major
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every alternative semester/
9.	Faculty who will teach the course	Prof. Ravi Sidhu
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To give an understanding of concept of care & well-being at different stages of life. • Students will be able to get awareness regarding concept of well-being at different stages of life span. • To acquaint students' recent policies, program and services for their well-being. • To empower the knowledge of students regarding various affecting factors and dimension of well-being in Human Development.

Course Number: HSM 412, Course Title: CARE AND WELL-BEING IN HUMAN DEVELOPMENT

Class: BSc(HS), Status of Course: MAJOR COURSE, Approved since session:2016-2017, Total Credits:4, Periods (55 mts. each)/week:4 (L-4-T-0-P/S-0), Min.pds./sem.:52

UNIT 1: CARE AND HUMAN DEVELOPMENT

(a) Definition, concepts & relevance of care (b) Vulnerable periods in life that require care (c) Principles & components of care

UNIT 2: WELL-BEING AND HUMAN DEVELOPMENT

(a) Concept of well-being-- physical, psychological, spiritual (b) Life crises and well-being (c) Factors & experiences that promote well-being

UNIT 3: CARE & WELL-BEING AT DIFFERENT STAGES OF LIFE

(a) Childhood years (b) Adolescence (c) Adulthood and old age (d) Well-being of caregivers

UNIT 4: POLICIES, SERVICES & PROGRAMS

(a) School health programs (b) Nutrition & health for all (c) Counselling and Yoga

UNIT 5: VULNERABLE GROUPS: CAUSES AND CONSEQUENCES

(a) Street and working, destitute, homeless, institutionalized children (b) Living with: chronic illness, HIV/AIDS, disabilities (c) Affected by war, conflict, riots, disasters (d) Victims of child-trafficking, abuse, dysfunctional families (e) Children in conflict with law

Suggested Readings

IGNOU. (2011). Positive psychology-2, MCFT-006 Applied Social Psychology. New Delhi: IGNOU.

Santrock, J.W. (2007). Life Span Development (3rd ed.). New Delhi: Tata McGraw-Hill.

Seligman, M.E.P. (2002). Authentic happiness: Using the new positive psychology to realize your potential for lasting fulfillment. New York: Free Press.

Sriram, R. (2004). Ensuring infant and maternal health in India. Pattnaik (Ed.).

Childhood in South Asia: A critical look at issues, policies and programs. Conn. USA: Information Age.

Singhi, P. (1999). Child health & well-being: Psycho social care within & beyond hospital walls. In T.S. Saraswathi (Ed.). Culture, socialization and human development. New Delhi: Sage.

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Extension Training & Entrepreneurship Development
3.	L-T-P structure	5-0-0
4.	Credits	5
5.	Course number	HSM 503
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To understand the concept of training in extension education • To understand the meaning and concept of entrepreneurship development for women • To impart knowledge for setting up an enterprise and its management

Course Number: HSM 503, Course Title: EXTENSION TRAINING & ENTREPRENEURSHIP DEVELOPMENT

HSM 503, Class: BA/BSc(HS), Status: MAJOR COURSE, Approved since session:2016-2017 , Total Credits:5, Periods(55 mts. each)/week:5 (L-5-T-0-P/S-0), Min.pds./sem.:65

UNIT 1: CONCEPT OF TRAINING

(a) Training and learning (b) Objective, Principle, Types, areas, and need of training (c) Role of training and capacity building in HRD

UNIT-2 METHODS AND TECHNIQUES OF TRAINING

(a)Tools and techniques for training (b)Designing and evaluation of Training Programs for different stakeholders (grass root functionaries, managers, policy makers)

UNIT-3

(a) Training methods and techniques practice: (i)Develop training modules for specific target groups and learning goals (ii) Agencies involved in training and development- NGOs, GOs and Corporate (b) Entrepreneurship Development:

(i)Entrepreneurship- concept, definition, need and significance of entrepreneurship development in India, entrepreneurship growth process, barriers, entrepreneurship education model (ii) Entrepreneur- their characteristics,types, gender issues, role demands and challenges, Entrepreneurial Motivation (iii) Challenges faced by Women Entrepreneurs(iv)SWOT analysis with respect to entrepreneurial competencies

UNIT 4 ENTERPRISE MANAGEMENT

(a)Managing Production: (i) Organizing Production; input-output cycle (ii)Ensuring Quality (b)Managing Marketing: (i) Understanding markets and marketing (ii) Functions of Marketing (iii)4Ps of marketing (same as marketing mix) (c) Financial Management (i)Meaning of Finance(ii)Types and Sources of Finance (iii)Estimation of project cost (iv) Profit Assessment (v)Survey of an institution facilitating entrepreneurship development in India

UNIT 5 ENTERPRISE PLANNING AND LAUNCHING

(a)Types of enterprises classification based on capital, product, location, ownership pattern and process (b)Sensing business opportunities and assessing market potential; market research (c)Appraising of project and feasibility (d)Preparation of business plan

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Theories of Human Development-I
3.	L-T-P structure	5-0-0
4.	Credits	5
5.	Course number	HSM 602
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Richa Verma
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To examine theories in context of Human Development and Family Relations. • To understand the practical applications of a theory to understand the human behavior

Course Number: HSM 602, Course Title: Theories of Human Development-I

Class: BA/BSc(HS) Status: MAJOR COURSE, Approved since session:2016-2017, Total Credits, 5 Periods(55mts. each)/week: 5(L-5-T-0-P/S-0), Min.pds./sem.:65

UNIT 1: INTRODUCTION TO THEORIES OF HUMAN DEVELOPMENT

(a) Key themes in the study of Human Development (b) Evolutionary & Ethological Theories: (i) Theory of evolution: Darwin (ii): Theory of ethology: Lorenz (iii)Theory of Human Attachment: Bowlby & Ainsworth

UNIT 2: LEARNING THEORIES

(a) Stimulus-Response Theory: Dollard & Miller (b) Behaviorism (i) Operant Conditioning: Skinner; Classical Conditioning: Pavlov

UNIT 3: PSYCANALYTIC THEORIES

(a) Psychosexual Theory: Freud (b) Psychosocial Theory: Erikson

UNIT 4: PERSONALITY THEORIES

(a) Interpersonal Theory of Personality Development: Sullivan (b) Trait Theory of Personality: Allport

UNIT 5: MODELS OF INTELLIGENCE& ECLECTIC THEORETICAL ORIENTATION

(a) Triarchic theory of intelligence: Sternberg; theory of intelligence: Guilford, Gardner's Concept of multiple intelligence. (b) Eclectic Theoretical Orientation

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Extension Programmes: Design & Evaluation
3.	L-T-P structure	4-0-0
4.	Credits	4
5.	Course number	HSM 902
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To understand the process of programme planning in extension • To develop ability in planning extension programme • To learn the principles and procedures involved in programme planning implementation and evaluation.

Course Number: HSM 902, Course Title: Extension Programmes: Design & Evaluation
 Class: MSc(HS), Status of Course: MAJOR COURSE, Approved since session:2016-2017 , Total Credits: 4, Periods(55 mts. each)/week:5 (L-5+T-0+P/S-0), Min.pds./sem.:65

UNIT 1: PROGRAMME PLANNING

(a) Meaning and importance of programme planning in extension (b) Principles of programme planning: programme development cycle and its components (c) Programme projection: difference between programme projection and programme planning, Identifying felt needs of people, collection of base line data, SWOT Analysis

UNIT 2: PLAN OF WORK

(a) Meaning, importance, components of a plan of work, Developing a plan of work , factors to be considered in preparing the plan of work (b) Pre-requisites for developing plan, guideline for developing a written annual plan, criteria for judging the plan of work (c) Resources for programme planning (d) Meaning of resource, types of resources, identification and appraisal of resources, Computer application for programme planning

UNIT 3: PROGRAMME IMPLEMENTATION

(a) Aspects of execution. Factors responsible for the successful conduct of a programme (b) Role of officials and non-officials in programme implementation (c) Linkages with other agencies. Problems in implementation

UNIT 4: EVALUATIONS AND FOLLOW-UP

(a) Meaning and purpose of evaluation, types of evaluation: self-evaluation and external evaluation, criteria for evaluation (b) Phases of evaluation, tools of evaluation, observation sheet, interview schedule, rating scale and checklist (c) Follow-up: Need for follow-up, methods of follow-up, correspondence, spot visit, meetings.

UNIT 5: DOCUMENTATION

(a) Need for reporting and recording. (b) Procedures for recording

COURSE TEMPLATE

1.	Department/Center proposing the course	Home Science
2.	Course Title	Extension Programmes: Design & Evaluation Pract.
3.	L-T-P structure	0-0-8
4.	Credits	4
5.	Course number	HSM 903
6.	Status	Major Course
7.	Status vis-a-vis other courses (give courses numbers/title)	
	7.1 Overlap with any UG/PG course of the dept/center	No
	7.2 Overlap with any UG/PG course of another dept/center	No
8.	Frequency of offering	Every Alternative Semesters
9.	Faculty who will teach the course	Dr. Madhulika Gautam
10.	Will the course require visiting faculty	No
11.	Course Objectives	<ul style="list-style-type: none"> • To develop understanding of monitoring and evaluation of development programmes. • To analyze the issues and concern of specific community groups. • To impart innovative knowledge in rural and urban areas.

Course Number: HSM 903, Course Title: Extension Programmes: Design & Evaluation Pract.
 Class: MSc(HS) Status: Major Course, Approved since session: 2016-2017, Total Credits: 4, Periods (55 mts. each)/week: 8 (L-0-T-0-P/S-8), Min. pds./sem.: 104

1. Critical review of evaluation studies related with women and rural development programmes.
2. Critical analysis of monitoring and evaluation of development programme
3. Presentation and reporting on development programmes
4. Assessing needs and problems of target group in a community
5. Studying the role of functionaries in planning program.
6. Selection of a problem of the rural community requiring intervention.
7. Development of plan of action for the problem identified.
8. Conducting the planned program
9. Evaluation and reporting
10. Suggestion and follow up