



**MAHARAJA SURAJMAL BRIJ UNIVERSITY,
BHARATPUR**

SYLLABUS

**M.A. HOME SCIENCE
(SEMESTER SYSTEM)
SEMESTER I, II, III & IV**


अकादमिक प्रभारी
महाराजा सूरजमल बृज विश्वविद्यालय
भरतपुर (राज.)

Maharaja Surajmal Brij University**M.A. Home Science (Course Scheme)****Ist Semester**

Sr	Paper Code	Title	Course Category	Marks			Period Per week	Credit
				Theory	Internal	Total		
1.	HSC - 101	Advanced Nutrition & Food Science	HST	100		100	6	6
2.	HSC - 102	Human Development	HST	100		100	4	4
3.	HSC - 103	Textile & Clothing	HST	100		100	6	6
4.	HSC - 111	Advanced Nutrition & Food Science (Practical)	HSP		15	50	9	6
5.	HSC - 112	Human Development (Practical)	HSP		15	50	6	4
6.	HSC - 113	Textile & Clothing (Practical)	HSP		15	50	9	6
Total						450	40	32

Maharaja Surajmal Brij University**M.A. Home Science (Course Scheme)****IInd Semester**

Sr	Paper Code	Title	Course Category	Marks			Period Per week	Credit
				Theory	Internal	Total		
1.	HSC - 201	Intro to Basic Design	HST	100		100	6	6
2.	HSC - 202	Extension Education	HST	100		100	4	4
3.	HSC - 203	Family Resource Management	HST	100		100	6	6
4.	HSC - 211	Basic Design (Practical)	HSP		15	50	9	6
5.	HSC - 212	Extension Education (Practical)	HSP		15	50	6	4
6.	HSC - 213	Family Resource Management (Practical)	HSP		15	50	6	4
Total						450	37	30

Amilashin

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Amilashin
अकादमिक प्रभारी 3
महाराजा सूरजमल बृज विश्वविद्यालय
भरतपुर (राज.)

Amilashin

Amilashin

Maharaja Surajmal Brij University**M.A. Home Science (Course Scheme)****IIIrd Semester**

Sr.	Paper Code	Title	Course Category	Marks			Period Per week	Credit
				Theory	Internal	Total		
1.	HSC-301	Research Methodology	HST	100		100	6	6
2.	HSC-302	Entrepreneurship & Institutional Management	HST	100		100	6	6
3.	HSC-303	Residential Space planning/	HST	100		100	6	6
	304	OR Apparel Technology						
4.	HSC-311	Residential Space Planning (Practical)	HSP		15	50	9	6
	312	OR Apparel technology (Practical)						
5.	HSC-313	Research work/ placement dissertation/project/ Internship (Practical)	HSP		15	50	9	6
		OR Entrepreneurship & Institutional management (Practical)						
Total						400	36	30

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Maharaja Surajmal Brij University
M.A. Home Science (Course Scheme)

IVth Semester

Sr.	Paper Code	Title	Course Category	Marks			Period Per week	Credit
				Theory	Internal	Total		
1.	HSC-401	Statistics	HST	100		100	6	6
2.a)	HSC-402	Select Group Interior Space Design I	HST	100		100	4	4
b)	403	Interior Space Design II	HST	100		100	4	4
		OR						
2 a)	HSC-404	Textile & Fashion Design I	HST	100		100	4	4
2 b)	405	Textile & Fashion Design II	HST	100		100	4	4
1.a)	HSC-411	Interior Space Design I (Practical)	HSP		15	50	6	4
b)	HSC-412	Interior Space Design II (Practical)	HSP		15	50	6	4
		OR						
1.a)	HSC-413	Textile & Fashion Design I (Practical)	HSP		15	50	6	4
b)	HSC-414	Textile & Fashion Design II (Practical)	HSP		15	50	6	4
2.	HSC-415	Research work/placement Dissertation/Project/ Internship (Practical) OR Women Empowerment and Gender Studies (Practical)	HST	100		100	6	6
Total						450	35	28


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M. A. Home Science Syllabus
Semester Scheme (I, II, III, IV Semester)

1. Eligibility-All undergraduate students with home science as one of the subject with minimum 50%
2. **Scheme of Examination:**
 - a. Each theory paper shall carry 100 marks The Exam will be of 3 hours duration. Part 'A' of the theory paper shall contain 10 Short Answer Questions of 20 marks, based on knowledge, understanding and applications of the topics/texts covered in the syllabus. Each question will carry two marks for correct answer.
 - b. Part "B" of paper will consist of four questions with internal choice of 20 marks each (except in cases where a different scheme is specifically specified in the syllabus). The limit of answer will be five pages. **Three questions should be from units I, II and III and the fourth question should cover all three units.**
 - c. Each laboratory Exam will be of three hours duration and involve laboratory experiments/exercises, and viva-voce examination with weightage in ratio of 70:30
3. Course Structure: The detail of the courses with code, title and the credits assigned are given below.

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Dr. S. M.
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Dr. S. M.

Dr. S. M.
Dr. S. M.

M.A. Home Science I semester
Ist Semester

Advanced Nutrition and Food Science (Theory)

Maximum Marks- 100

Total Teaching work load - 60 Periods

Paper Code – HSC – 101

Objectives:

1. To impart knowledge regarding nutritional requirements across the life span
2. To understand the process of digestion in humans
3. To develop practical insight for assessment , nutritional care and counseling in diseases
4. To impart knowledge regarding Food Science

Content

UNIT I

Nutritional requirements and RDA for the entire life span according to the physiological needs

- a. Infancy
 - b. Preschoolers
 - c. School children
 - d. Adolescents
 - e. Adults
 - f. Elderly
2. Body Composition
 3. Human digestive system
 - a. Structure and functions of different organs
 - b. Digestion, absorption of carbohydrates, proteins, fats and vitamins

UNIT II

4. Etiological, clinical features with emphasis on dietary management and preventive measures related to food

M.A. Home Science I semester

- a. GERD, constipation, diarrhea
 - b. Celiac disease
 - c. Hepatitis, cirrhosis
 - d. Hypertension, coronary heart disease, hyperlipidemia
 - e. Diabetes mellitus
 - f. Obesity
 - g. Cancer
 - h. HIV/ AIDS
5. Health Implications of junk foods, processed foods and convenience foods.

UNIT III

6. Functions of foods: physiological and non physiological.
Cooking methods: types, merits and demerits.
7. Cereals and millets: structure, composition, processing techniques, effect of heat and acid, functions of starch in cookery.

Legumes, nuts and oil seeds: composition, processing techniques, effect of heat, acid and alkali.

8. Fruits and vegetables: types, composition, importance in diet, pigments, changes caused by heat and alkali.

Milk and milk products: types, composition, physical and functional properties, processing techniques, effect of heat, acid and alkali.

References

- L. Kathleen Mahan and Sylvia Scott-Stump. Krause's Food, Nutrition & Diet Therapy .WB Saunders Company, Pennsylvania, USA
- Bamji MS, Rao NP Reddy V E (2003) Text Book of Human nutrition Second Edition. Oxford & IBH Publishing Co. Pvt. Ltd.
- Ward law Gordon M. And Kessel Margaret W. Perspectives in Nutrition. Fifth Edition. Mc Grow Hill Publications, Ohio, USA

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- Joshi YK. Basics of Clinical Nutrition Second Edition. Jape Brothers medical Publishers (P) Ltd. New Delhi.
- Shils ME, Olson JA, Shike N and Roos. Modern Nutrition in Health and Disease, Lea & Fibiger, Philadelphia
- Sue Rodwell Williams. Essentials of Nutrition and Diet Therapy. Times Mirror/Mosby College Publishing.
- Carol West Suitor and Merrily Forbes Crowley. Nutrition: Principles and Application in Health Promotion
- Benn ion, M. Introductory Foods. Eighth edition. Macmillan Publishing Company, New York 1985.
- Bogstrom, G. Principles of Food Science, Vol. 1 & II, The Macmillian Co., New York, 1968.
- Charly, H. Food Science. John Wiley & Sons Inc, New York, Second edition 1970.
- Fraxier, W.C. Food Microbiology. McGraw Hill book Co., New York, 1968.
- Griswald, R.M. The Experimental study of Foods. Houghton Miff in Co. Boston, 1962.
- Hughes, Osee. Introductory Foods. The Mac Millan Co, New York 1962.
- Hester R.E. and Harrison, R.M. Food Safety and Food Quality: Issues in Environmental Science and Technology. Royal Society of Chemists, Cambridge, 2001.
- Lowe, B. Experimental Cookery. John Wiley and Sons Inc, New York.
- Manay, N.S. and Shadaksharaswamy M. Food Facts and Principles Second edition, New Age International Publisher, New Delhi 2001.
- Meyer, L.H. Food Chemistry, CBS Publishers and Distribution, Delhi, 1987.
- Potter. N.N. Food Science. 3rd ED CBS Publishers and Distributors. Delhi, 1987.
- Srilakshmi. B. Food Science. New-Age International (P) Ltd. Publishers, New Delhi, 1997.
- Swaminathan M. Food Sceince Chemistry and Experimental foods, The Bangalore Printing & Publishing Co. Ltd. Mysore, Banaglore 1990.
- Agrawal, Gupta and Khuteta, Bhojan and Poshan, Ajmer Book Company, Jaipur 2001, Singh Vanda.

M.A. Home Science I semester

- Aina U, Kashyap S.K. Narula, V., Thomas, S., Suvira, Vir, S and Chopra S., Complete Manual, Orient Longman Pvt. Ltd, New Delhi, Third edition, 2002.
- Gupta. S., Seth, R., Khanna, K. and Mahna, R. Art and Science of Cooking-A Student's Manual, Blaze Publishers & Distributors Pvt Ltd. New Delhi 1991.
- Mathur, M., Goyle, A., Gupta, P. and Magon A. Book of Recipes. India Book House, Jaipur, 1995.

Title : Human Development (Theory)

Maximum Marks: 100

Total Teaching work load - 60 period

Paper Code – HSC – 102

UNIT I

- Meaning, definition and scope of human development. Principle of growth and development.
- Stages of prenatal development and Factors affecting prenatal development.
- Basic Reflexes, Physical, Motor and Language and Emotional development during infancy, Development tasks.
- Theoretical approaches to early personality development – psychosexual theory of Sigmund Freud, Psycho Social Theory of Erik Erickson and Piaget's cognitive development theory of sensory motor and pre – operational stage.

UNIT II

- Developmental Tasks, Significance of early years, physical, Motor, Social, Emotional and language development in early, middle and late childhood.
- Theoretical contributions of Erickson, Piaget and Freud in understanding development.
- Play- Significance, types, characteristics of play. Home, school and peer relationship: problems and adjustments

M.A. Home Science I semester

- Adolescence: Development tasks, physical, emotional, social, speech and Intellectual development, Moral Development (Kohlberg's Moral Theory) Puberty and Pubertal Changes, sexual Maturity. Theoretical contributions of Erickson, Piaget and Freud in understanding development

UNIT III

- Challenges, adjustment and development tasks of early, middle and late adulthood.
- Theoretical understanding of adulthood, with reference to Erikson and Freud.
- Significant issues in adulthood: Live-In-Relationship, Being Single, Divorce, Remarriage, DINKS, Adoption ; Menopause and Andropause, mid life crises and emptying of nest.
- Interpersonal and Intrapersonal adjustments, adjusting to declining physical/motor and sensory capacities, Adjustment with changes in familial situation, lose of life partner

References:

- Narang D; Chabra N & Koradia K (2010). Adolescent girls: awareness rights and reproductive health, Pointer Publishers, Jaipur.
- Moorjani J; Narang D & Manika (2009). Bal Vikas Ka Manovigyan, Shri Kavita Prakashan, Jaipur
- Stewart, Clarke, A., Friedman, S. (1987). Child Development; Infancy through Adolescence. John Wiley and Sons, New York.
- Friiberg, K.L. (1992). human Developemnt: A Life Span Approach. Jones and Bartlet Publishers, London.
- Papalia, D.E., Olds, S.W. and Feldman, R.D. (2004). Human Developemnt (9th Ed.). Tata McGraw- Hill Publisheing Company Ltd. New Delhi.
- Berk, L.E. (2004). Developemnt through the Lifespan (3rd Ed). Pearson Education, Inc. New Delhi.
- Bhatt, N. (2007). Human Development- A Lifespan Perspective. Aavishkar Publishers. Jaipur

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M.A. Home Science I semester

Title : Textiles and Clothing (Theory)

Maximum Marks: 100

Total Teaching periods: 60

Paper Code – HSC – 103

Objectives

To impart knowledge regarding fibers, yarns and fabrics

To enrich students in fabric construction methods

To enrich for apparel selection

To brief all recent developments in the area

Unit – I

Textiles fibres and their properties

- Classification of fibers
- Primary and secondary properties of textiles fibers.
- Manufacturing process, properties and use of following fibers – Cotton, Jute, Silk, Wool, Rayon, Polyester, and Polyamide.

Yarn construction

- Basic principles of yarn making – Mechanical spinning (cotton spinning), Chemical spinning – Wet, Dry, and Melt
- Types of yarns – Simple, Novelty and Textured yarns.
- Yarn Twist and Yarn Numbering system

Unit – II

Fabric Construction Methods

- Weaving , Knitting , Braiding , Lacing and Netting

M.A. Home Science I semester

- Weaving – Types of hand looms , parts of a loom , stages in weaving , process
- Classification and construction of basic weaves : plain , twill & satin
- Fabrics made from fibres – Felting and Bonding

Finishing

- Definition and importance of finishing
- Classification of finishes
- Preparatory Process – Desizing, Tendering, Scouring and Bleaching
- Mechanical finishes – Sizing, Singeing, Mercerization, Napping, Embossing and Calendaring.
- Functional finishes – Wash and wear, Wrinkle resistant, Water- resistant and repellent, Flame Retardant, Soil Repellent, Mothproof and Anti static.

Recent developments in textiles

- Nonwoven textiles
- Technical Textiles- Meaning, classification, manufacturing techniques and future scenario.
- Smart textiles – Factors affecting the selection and uses.
- Various denim finishes: Bio-polishing, bio –washing and softening finishes, Eco-friendly finishing with enzymes.

Unit – III Apparel Selection & Care

- Selection of suitable fabrics and garments for
 - Age – infants, toddlers, pre-school children, school going children, adolescents
 - Climate, occasion, occupation, fashion, figure
 - Clothing for people with special needs: maternity and lactation, old age and physically challenged.
- Selection of readymade garments
 - Appearance– Size, design, line and colors,
 - Fabric- Durability, ease of care
 - Workmanship- Cutting, sewing and finishing

M.A. Home Science I semester

Cost & Fitting

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References:

1. Susheela Dhantyagi "Fundamentals of Textiles and their care" Orient Longman Ltd. 4th edition 1983 Reprinted 1994
2. Shrivastave. K.N and Gupta.M "Paramparagat Bhartiya Vastra" Hindi Granth Academy, 2011
3. Bela Bhargava (2003) "Vastra Vigyan avam dhulai kriya" University Book House Jaipur
4. Joseph, M. L. (1988), Essentials of Textiles, 5th edition, Holt Rinehart and Winston, New York
5. Hollan , Norma & Saddler – Textiles , 16th Edition , New-York , Macmillan publishing co, 1998
6. Joseph M. – Essentials of textiles – Holt, Rinehart & Winston, New York , 1976.
7. Joseph M. – Introductory Textile Science – 6th edition , Fort Worth Harcourt Brace Jovanovich College Publishers. 1993
8. Corbman B.P Fibre to Fabric, International Students Edition Mc Graw Hill Book Co- Singapore, 2000.
9. J.L. Smith, Textile processing, Abhishek Publications, Chandigarh, 2003.
10. Gokarneshan U, Fabric Structure and Design, New age International Publishers 2004.
11. Kate Wells, Fabric Dyeing and Printing, Conran Octopus 2000.
12. Sara J. Radolph and Anna L. Lang Ford, Textiles, Prentice hall, New York, 2002.

M.A. Home Science I semester

Title : Advanced Nutrition and Food Science (Practical)

Maximum Marks: 50

Teaching work load - 60 period

Paper Code – HSC – 111

Objectives:-

This course will enable the students to

1. Plan and prepare nutritionally adequate diets in relation to age, activity levels and physiological state.
2. Make the therapeutic modifications of normal diet for common diseases conditions.
3. Assess the nutritional status of individuals using dietary survey and Anthropometry.

Content:

1. Cooking methods.
Cereals cookery- various preparations showing: (a) dextrinization, gelatinization (b) functions of starch in cereals (c) gluten formation and factors influencing its formation and (d) identification of the food grains
2. formation and (d) identification of the food grains
3. Vegetable cookery: (a) effect of heat, acid and alkali (b) use of vegetables with other foods.
4. -Milk and milk products in various preparation.
5. Identification of nutrition problem prevalent in community using method of
6. Nutritional Assessment- Nutritional Anthropometry, Clinical Examination, Dietary
7. Survey- 24 hours recall method, Diet History.
8. Nutrient rich dishes- Iron rich, Calcium rich, Vitamin A rich, Fiber rich diet.
9. High protein foods, high calorie food to combat malnutrition.
 - Preparation of suitable supplementary foods.
 - Plan a diet for pregnant lady.
 - Plan a diet for lactating mother.
 - Plan a diet for an infant.
 - Plan a diet for a pre-school child.
 - Plan a diet for a school going child.

M.A. Home Science I semester

- Plan a diet for an adolescent girl.
- 10. Plan a diet for an old person.
Plan a diet for following disorders-
 - Gastro intestinal- Diarrhoea, constipation
 - Acute fever, chronic fever
 - Liver disease and Gall bladder- Hepatitis
 - Cardio Vascular- Hypertension, Hyperlipidemia
 - Metabolic disorder- Diabetes
 - Obesity
 - Underweight

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References:

1. Swaminathan, M. Essentials of food and nutrition, Ganesh and CO. Madras 1974
2. Ritchie, J.A.S. Learning better Nutrition, FAO, 1967.
3. Anita, F.P. Clinical Dietetics and Nutrition, Oxford University Press 1973.
4. Swaminathan M. Food Science Chemistry and Experimental foods, The Bangalore Printing & Publishing Co. Ltd. Mysore, Bangalore 1990.
5. Agrawal, Gupta and Khuteta, Bhojan and Poshan, Ajmer Book Company, Jaipur 2001, Singh Vunda.
6. Aina U, Kashyap S.K. Narula, V., Thomas, S., Suvira, Vir, S and Chopra S., Complete Manual, Orient Longman Pvt. Ltd, New Delhi, Third edition, 2002.
7. Gupta. S., Seth, R., Khanna, K. and Mahna, R. Art and Science of Cooking-A Student's Manual, Blaze Publishers & Distributors Pvt Ltd. New Delhi 1991.
8. Mathur, M., Goyle, A., Gupta, P. and Magon A. Book of Recipes. India Book House, Jaipur, 1995.

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

M.A. Home Science I semester

Title : **Human Development (Practical)**

Maximum Marks: 50

Total Teaching work load- 60 period

Paper Code – HSC – 112

Objectives:

- 1) To develop skills among students to organize activities in nursery schools/ pre-school centers.
- 2) To gain knowledge and expertise for planning, preparing and implementing various activities and concepts in nursery schools / pre-school.
- 3) To develop skills to prepare ECE material and teaching aids.
- 4) To generate awareness and involvement among students regarding community and welfare programmers.

Content:

1. Planning and preparation of teaching aids and play material for nursery school / crèche and use of these aids in participation with children:
 - Puppets
 - Posters
 - Flash Cards
 - Toys
 - Board games
 - Blocks
 - Paper craft
 - Books of Rhymes and Poems. (Any Five)
2. Plan, prepare and organize activity corners, storytelling sessions, music, dance, interactive games and hands on like
 - Water play
 - Sand play
 - Picnics
 - Field trips
3. Visit to primary health Center, block level administrative office, Anganwadi Center, primary school (any one).
4. (a) Visit to PHC to make observation of neonatal reflexes.
(b) Visit to elderly homes for elderly interactions.

References:

- Sharma M.L. & T.M. Dak eds, "Aging in India"
- Chowdhury Paul, d. (1988) : Youth: Participation and development, New Delhi: Atmaram and Sons Unit V, XII, XIV, XV, (Entire Book)
- Berner, J.A. (1988): Introduction to early childhood Education
- Foster and Heedley, Education in the Kindergarten
- Murlidharan, R. (1996). Guide to nursery school teacher. New Delhi NCERT

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

Title : Textiles and Clothing (Practical)

Maximum Marks: 50

Total teaching workload- 60period

Paper Code – HSC – 113

Objectives:

1. To develop confidence in constructing different garments
2. To prepare them to take up jobs in the garment industries and to be self- employed and equip them with the techniques.

Contents:

Equipment and tools for measuring, marking, cutting, sewing and finishing.

1. Taking body measurements
 2. Facts about fabrics-
 - a) Importance & identification of grain.
 - b) Identifying right & wrong side.
 - c) Different widths of fabric.
 - d) Types of thread and Needle according to fabric
 3. Drafting of Adult's Basic Bodice and Sleeve Block
 4. Drafting of different types of yokes, sleeves and collars using the bodice
 5. block and sleeves blocks
 6. Garment construction with above design features (at least any two in each garment)
 - a) Child's - Gathered frock & night suit.
 - b) Women's- Kurti and Salwar/ Churidar and Nightwear
 7. Survey of local market for collection of various fabrics samples
- Different fabric construction technique and Trimmings).

References:-

1. Mathews Mary – Practical clothing construction I&II, cosmic press, Madras.
2. Doongaji S. and Deshpande R. – Basic process of clothing construction
3. NeelamPruthi and Sarojjeetsingh – Drafting techniques for garment construction
4. Bane, A. (1974): Tailoring, McGraw Hill Publication, New Delhi.
5. Readers Digest (1982): Complete Guide to Sewing, Association Inc., New York, NewDelhi.
6. SavitriPandit (1967): Manual for Children's Clothing, Orient Longmanl. Gini StephensFrings,
7. Mary Mathews, Practical Clothing Construction Part-II. Designing, Drafting and Tailoring, Bhattarams Reprographics (P) Ltd., Chennai ,1991
8. Zarapkar K.R, System of Cutting, Navneet Publications India, 2005

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

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M.A. Home Science II semester

Title : Introduction to Basic Design

Maximum marks- 100 Marks

Total Teaching work load - 60 Period

code: HSC 201

Objective

1. To enable student to understand the design aspects properly.
2. To enable students to apply the design aspect in interior of home.
3. To enable students to apply design aspects in textiles and clothing.

Unit-I

Element of design

a) Line

- Types of line: straight and curved etc.
- Illusion of lines
- Emotional significance

b) Form

- Definition
- Classification
- Requirements of a good form

c) Textures

- Definition
- Types: visual, tactile
- Significance of texture

d) Light

- Types of light: natural and artificial
- Emotional significance artificial lighting system

e) Shape and Space

- Definition
- Classification: open and close

f) Pattern

- Definition

- Motifs: naturalistic, stylized, abstract, geometric
- Characteristics of a good pattern

g) Color –

- Introduction
- Theories
- Characteristics
- Warm & Cool colors
- Tints & shades
- Color wheel
- Color Schemes
- Emotional effects of color

2. Principles of design

a) Balance

- Definition
- Types

b) Rhythm

- Definition
- Ways of achieving rhythm: repetition of shapes, progression of size, continuous line movement, radiation

c) Proportion

- Definition
- Scale

d) Emphasis

- Definition
- Ways of achieving emphasis: grouping of objects, use of contrasting colour, use of decoration, use of back ground space
- Where to place the emphasis: law of margin

e) Harmony

- Definition
- Methods of achieving harmony: line & shape, colour, ideas, size & texture

Unit II

Application of design in home Management

1. Element of design -







- a) Line
- b) Form
- c) Textures
- d) Light
- e) Space
- f) Pattern
- g) Color

2. Principle of design –

- a) Balance
- b) Rhythm
- c) Proportion
- d) Emphasis
- e) Harmony

3. Use of elements and principles of design in Interiors of room-

- a) Master's Bed room
- b) Living room
- c) Children bed room
- d) Drawing room
- e) Bath room
- f) Kitchen

Unit III

- Elements and principles of art applied in textile designing
- Effects and function of elements and principles of art in dress, Design selection in relation to figure, complexion climates, occasion and fashion. Concept of Repeat in Design
- Types of Repeats: Plain, Vertical, Horizontal, Twill, Mirror, Half step, All over

- Layout of design – pattern repeat, drop devices and bases,
- Special considerations in design selection and layout of pattern – stripes, checks, plaids, prints.
- Colour & colour schemes, Psychological effects of colour, Importance of colour, Study of colour theories, colour wheel, colour in clothing.

.References:

1. Adams, S.T. (1981), How To Buy, Repair And Maintain Home Systems And Applications, , ARCO Publications, New York.
2. Agan Tessie (1986), The House Its Plan And Use, Oxford and IBH publishing company, New Delhi,
3. Agan, Tessie (1951), The House Its Plan And Use, J.B. Lippincott New York.
4. Broadbent G., Bunt R. & Charles Zencles, (1980), Sign,Symbol And Architecture , John Wiley & Sons, New York.
5. Deshpande, R.S. (1995), Modern Ideal Homes For India, Deshpande Publication Trust, Puna.
6. Deshpande (1991), Build Your Homes, United Book Corporation, Puna.
7. Deshpande (1991), Modern Ideal Homes of India, united Book Corporation, Puna.
8. E & OE. “Planning – The architects Handbook”
9. Gillat M. & Goldstein V. (1967), Art Everyday Life, Oxford & IBH publishing Co., New Delhi.
10. Goldstein M. & Goldstein V. (1967), Art Everything Life, McGraw hill Books comp.Ltd. , New York.
11. Z. Grosicki, Watson’s Textile Design and colour, Newnes – Butler – worths, London, 1975, 7th ed:
12. Bride M. Whelan, Color Harmony 2, Rockport Publishers, USA, 1994.
13. Yates, M., Textiles: A Handbook of Designers, WW Norton Publishing Company.
14. Prakash., Traditional Indian Motifs, The Design Point, Bombay.
15. Rubin, L.G., (1976) The World of Fashion, Publication Canfield Press, Sans Fransisco.
16. Davis, M.L., (1996) Visual Design in Dress, Prentice Hall Inc.
17. Prayag, R.S., Technology and Textile Printing, Noyes Data Corporation.
18. Meller., Textile Designs, Thames and Hunson Ltd., London.

M.A. Home Science II semester

Title : **Extension Education (Theory)**

Maximum marks: 100 Marks

Total Teaching Workload: 90 periods

Paper code: HSC -202

Objectives

- To develop an understanding regarding the communication process.
- To develop an understanding regarding various types of media and their role in Home Science Extension.
- To develop skill in producing and using selected media in Extension work.

Unit 1 :

Introduction to communication

- Origin, Concept, definition, nature of communication
- Models of communication
- Levels of communication
- Effective communication- Frame of reference, perception, fidelity ,

communication

gap, time lag, empathy, homophily, heterophily

- Functions of communication
- Communication media and Technology
- Classification of media
- Selection of appropriate media
- Production and use of selected media in Home Science
- Writing scripts for radio talk, television talk, puppet play, street play
- Writing for newspapers, magazine

Unit 2 :

Developmental communication

- Problems in Development and grass root participation (need and participation)
 - Development communication strategies for grass root mobilization
 - Importance of leadership in developmental communication.
 - Understanding the role of traditional and modern media in developmental communication
 - Participatory approach in developmental communication
- Communication process
- Elements of communication.

- Principle of effective communication
- Channels of communication
- Problems of communication (related to the communicator, message receiver and other factors)

Unit 3 :

- Appropriate technology for women
- Role and status of women in rural development
- Approach and methods of socio economic analysis- PRA and RRA
- Need of appropriate technology for women
- Transfer of technology and factors affecting TOT
- TOT process and improvement

REFERENCES

- Benjamin James : Communication Concepts and Contexts, 1986
Berlo, D.K.: The Process of Communicating –An Introduction to Theory and Practical, 1960,
New York, Henry Holt and Company
Chopra, K., Kaukodi, G.K., & Murty, M.N.: Participatory Development, 1990.
Sagar
Publication
Dhama, O.P. & Bhatnagar, O.P. : Education and Communication for Development, 1987
Dhama, O.P. & Bhatnagar, O.P. : Communication for Development, 1991
Kumar Keval J.: Mass Communication in India: A Comprehensive and Critical Look at the
Mass Media in India, 1987
Ray, G.L., Extension Communication and management, 1999, Nays Prakashan, Calcutta
Tiwari, LP : Communication, Technology and Development, 1987
Indian Ministry of Information & Broad Casting : Mass Media in India, 1985

M.A. Home Science II semester

Title : Family Resource Management (Theory)

Maximum marks- 100 marks

Total teaching workload : 60 period

Paper Code HSC -203

Objectives :

1. To understand the meaning of resources management concepts related to management.
2. To apply managerial process to management of time, energy and money.
3. To understand saving, investment and credit pattern of family.

To increase awareness about consumer problems, rights, responsibilities & protection laws.

Unit –I

Housing

1. Function & family need of housing
 2. Principles of house planning: aspect, prospect, grouping of room, roominess, privacy, orientation, circulation, flexibility, spaciousness, aesthetics economy, ventilation services
 3. Site selection:
 - Vegetation:
 - i. size
 - ii. soil types drainage
 - iii. contour (shape)
 - iv. orientation
 4. Elements and principles of arts and design as related to interior decoration with specific reference to color and light
 - 8
 5. Floor decoration with use of elementary art
- Table setting & etiquettes.

UNIT II

Interior designing

6. Room arrangement and decoration - arrangement of furniture, furnishings and accessories in various rooms.
7. Kitchen planning, importance of counters, storage, principles, working heights.

8. Selection and care of household equipment (without reference to any specific equipment)
9. Household waste & its management by 3R
10. Flower decoration
 - Basic equipments
 - Vases and containers
 - Preparing plant material
 - Shaping an arrangement
11. Furniture
 - Types of furniture
 - Selection use & care
 - Arrangement of furniture in various rooms

UNIT-III

Resource Management

12. Meaning, definition and importance of home management
13. Process of management:
 - planning,
 - Organization,
 - Implementation,
 - controlling and evaluation
14. Introduction to motivational factor (meaning and types)
 - Values
 - Goals
 - Standards
 - Decision Making
 - Resources
15. Time management:
 - Tools in time management
 - i. Time cost
 - ii. Time norms
 - iii. Peak loads
 - iv. Work curve and rest periods
 - Process of managing time
16. Energy Management:
 - Process of energy management
 - Fatigue









- Body mechanics
- Works simplification -Mundel's Classes of changes
- Ergonomics: Meaning, importance & its components

17. Money Management

- Family Income: sources & type
- Budget: Definition & Process of budget making
- Saving, investment and raising housing loan:
 - i. Definition & Objectives
 - ii. Channels: bank, insurance, post office

18. Consumer problems, rights & responsibilities

19. Seeking redressal to consumer problems with special reference to consumer courts

NOTE: Seminar presentations on selected topics from unit I and unit II

References:

1. Agarwal S (2009). Grah Prabandh Manual. Shivam book house. Jaipur.
2. Birrel Verla Leone (1967). Colour and Design. A Basic Text (Vol. I & II). Digest submitted in requirement for the degree of education in Teacher college Columbia university
3. Bryan Lawson (1980). How Designer Think. Architectural press Ltd.
4. David H, Bangs Jr. The market planning guides. Gougotera Publishing. 3rd Ed
5. Don Welters (1974). Who buys- A Study of the Consumer.
6. Donnelly JH, Gibson JL and Ivancevich JM (1995). Fundamental of Management. Chicago.
7. Fisher CD (1997). Human resource management Chennai: All Indian publishers and distributors.
8. Gillat M & Goldstein V (1967). Art Everyday Life. Oxford & IBH publishing Co. New Delhi.
9. Goldstein M & Goldstein V (1967). Art Everything Life. Mc Graw hill Books Comp. Ltd. New York.
10. Gross I & Crandall E (1963). Management for Modern families, Appleton Counter Contry Craft. New York.
11. Gross IH Crandall, Crandall EW and Knoll MM (1980). Management for modern families. Macmillan.
12. Halse Altert O (1978). The use of colour in interior. Mc Graw Hill Books Comp. Ltd. New York. 2nd Ed.
13. Harburgsen Gaillhyn (1980). Design Concepts. Allyn & Bacon Inc.
14. Kale MG (1998). Management and human resources.

15. Kolter Philip, Armstrong Greg (1992). Principles of Marketing. Prentice Hall of India, New Delhi. 5th Ed.
 16. Leland, J. Gordon, Stewart, M, Lee (1974). Economics and consumer. S'Van Nostrand Co. New York. 7th Ed.
 17. Mullick, Premalata (2000). Textbook of Home Science. Kalyani Publishers, New Delhi.
 18. Nickell P and Dosery JM (1970). Management in family living. Wiley Eastern Ltd. New Delhi.
 19. Patani M (2010). Home Management. Star publication, Agra.
 20. Sethi M and Seetharaman P (1994). Consumerism- A growing concept. Phoenix Publishing House, New Delhi.
 21. Sherlekar SA (1990) Trade Practices & consumerism. Himalaya Publishing House. , Mumbai.
 22. Steidle RE & Bratton EC (1968). Work in the Home. John Wiley and Sons. New York, London.
 23. Thomson CH (1970). Home with Character. Massachusetts. C. Health & Co. Lexington. III rd Ed.
- Varghese MA, Ogle M, Srinivasan K (1985). Home Management. Wiley Eastern Publishers, New Delhi.

M.A. Home Science II semester

Title : **Introduction to Basic Design (Practical)**

Max Marks : - 50 marks

Total teaching workload : 60 periods

Paper code- HSC 211

Objectives:

1. To enable students to understand the design aspects.
2. To enable students to apply the design aspect in interior of home.
3. To enable students to apply design aspects in textiles and clothing.

Contents-

1. Drawing of color wheel.
 2. Drawing of color Schemes.
 3. Drawing of Tints and Shade Chart
 4. Drawing various types of furniture for all the room of house.
- Selection of color scheme in rooms-

- a) Master's bed room
- b) Children's bed room
- c) Living room

- d) Dining room
- e) Drawing room
- f) Kitchen

5. Application of principles in interior decoration drawing each one of them
Principles of design –

- a) Balance
- b) Rhythm
- c) Proportion
- d) Emphasis
- e) Harmony

Make a scrap book with following motif types using fabric specimens:

- Abstract
- Geometrical
- Natural
- Stylized
- Traditional

Creating designs with units like flowers, alphabets

- Development of motif
- Enlargement & reduction of motifs
- Concept of design repeat, layout
- Development of design sheets for home textiles: Table Linens (runner, napkin, table cloth)

Developing designs for decorating fabrics for various end uses using traditional motifs and different techniques of tie and dye

- Marbling
- Pleating and Binding
- Folding
- Bandhani
- Laheria
- Tritik/Shibori

Scheme of Examination

Total mark -

Internal
Major- interior design
Major textile design

M.A. Home Science II semester

50 marks

15 marks

18 marks

17 marks

M.A. Home Science II semester

Title : **Extension Education (Practical)**

Maximum marks: 50 Marks

Total Teaching Workload: 60 periods

Paper code: HSC -212

Contents-

- Writing script for one of the media referred in theory
- Production of selected media in Home Science Extension a communication
- Pre testing of the selected media
- Use of Selected media in the field
- Developing skill in any of the folk media
- News and report writing of programme for farm/ slum women

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

FAMILY RESOURCE MANAGEMENT (PRACTICAL)

Maximum marks: 50 marks

Total teaching workload: 60 Periods

Paper code:- HSC 213

Objectives:

- 1.To help students understand various banking procedures.
- 2.To help students understand house planning and interior decoration.

Contents :

1. Project work on money management:
 - How to open various accounts in the bank.
 - Filling up of slips/forms of bank and post office.
 - i.Application for draft
 - ii.Cheques
 - iii.Withdrawal slip
 - iv.Money order form
 - v.Application for housing loan
2. Floor decoration: Alpana ,Rangoli & Mandana

3. Flower arrangement: fresh and dry arrangements.
4. Table setting
5. Best out of waste (one article)
6. Cleaning of wood, stone, tiles, metal & glass.
7. House plans :
 - For various income groups (LIG, MIG, HIG)
 - i. Drawing of architectural symbols of house plan
 - ii. Architectural symbols of electricity plan
 - iii. Furniture symbols
 - Rooms (making any one paper model)
 - i. Drawing Room
 - ii. Dining cum leaving room
 - iii. Children study room
 - iv. Bed room
 - v. Pooja Room
 - Kitchen planning (making any one paper model)
 - i. One wall
 - ii. Two wall
 - iii. L shape
U shape

Examination scheme

Total Marks:

50 marks

Major: :

20

Minor -

15

Internal -

15 marks

M.A. Home Science III semester

Research Methodology (Theory)

Maximum Marks-100

Total Teaching work load – 90 Periods

Paper code- HSC-301

Objectives :

1. To understand the basic concepts of research methodology.
2. To be able to understand the various steps of research methods.
3. To enable the students to understand various research designs, sampling techniques, methods of collecting data.
4. To enable the students to prepare and present report for dissertation purpose.

Contents:

UNIT- I

Research purpose and objectives.

Definition and Identification of research problem, selection of problem, hypotheses, basis assumption and limitation of problem.

Review of literature: Importance, sources and writing review of literature.

Research designs: Purpose and types.

UNIT-II

Technique of sampling- Census and sampling methods, probability and non-probability sampling procedures, sample size.

Data gathering instruments, measurements and scales, reliability and validity of measuring instruments- Questionnaire, Schedule, Score card, Checklist.

Methods of collecting data: Questionnaire, interview technique, observation, case study, focus group discussion.

UNIT-III

Planning, executing and analysis of large scale surveys with special emphasis of surveys in Home Science.

Presentation and preparation of report for dissertation publication.

Bibliography: Importance of method of writing references of book, journals, proceedings and websites.

References :

1. Simpson, George ,Kafka, Fritz. Basic statistics: a textbook for the first course , Oxford and IBH Publishers, New Delhi, 1977.

2. Taro Y. Sampling Theory, Prentice-Hall Publishers, New Delhi, 1967.
3. Snedecor and Cochran, Statistics Methods, Oxford and I.B.H. Publishers, Calcutta, 1968.
4. Gupta SP. Statistics Methods, Sultan Chand and Co., New Delhi, 2008.
5. Good CV and Carter DE. Methods of Research-Educational Psychological Application, Century Craft, New York, 1954.
6. Kerlinger FA. Foundation of Behavioural Research, Century Craft, New York, 1966.
7. Yound PV and Schind CG. Scientific Social Survey and Research, Prentice Hall, New Delhi, 1968.
8. Philips BS. Social Research, Strategy and Tactics, MacMillan, New York, 1976.
9. Mussed P. Hand book of Research Methods in Child Development, John Wiley & Sons Inc, 1960.
10. Devdas RP and Kulandaivel. Hand Book of Research Methodology, Sri Ram Krishna mission vidhyalaya, 1971.
11. Krishnaswami RP. Methodology of Research in Social Sciences, 1st edition, Himalaya Publishing house, Mumbai, 1993.

M.A. Home Science III semester

Entrepreneurship & Institutional Management (Theory)

Maximum Marks-100

Total Teaching work load - 60 period

Paper code- HSC-302

Objectives :

This course will enable the students to understand:

1. The various aspects of food service planning
2. The management of food service organizations.
3. Developing in students the skill of menu planning for quantity and quality food preparation.

Contents :

UNIT- I

Introduction to Foodservice systems

- Development of food services in Institutions.
- Consumer behaviour and eating trends- teenagers, family, business-corporate world.

Food services facility planning – introduction to foodservice facilities planning, the planning process, the planning team, planning the prospectus, functional planning, planning the atmosphere, workplace design, equipment requirements (writing equipment specifications, purchasing, factors affecting equipment selection, type of equipments), space requirements, layout of facilities.

UNIT- II

Organisation and Management

- Organization – definitions, nature and characteristics of organisation, theories of organisation, steps in process of organisation, principles of organisation, departmentation, types of organisations.
- Systems approach to Management, management by objectives
- Management – definitions, management process, roles of a manager, level and skills of management, principles of management, tools of management, management of resources, functions of management.
- Financial Management – Key accounting concepts, basic financial statements, tools for comparison and analysis, budgeting, book keeping-principles of double entry, records.
- Energy management-energy utilisation, energy conservation, energy management systems
Time management.

UNIT- III

Food Management

- Food acceptability and sensory evaluation – definition, application, difference between organoleptic and sensory evaluation, qualification and types of panellists, testing area, methods of sensory testing.
- Menu planning – importance of menu planning in food service organisation, types of menu and their application, factors affecting menu planning, steps in menu planning, quality food standards, standardised recipes.
- Food Purchasing – Market and the buyer, forecasting in foodservice, methods of purchasing, mode of purchasing (centralized and group purchasing), purchasing process and records, vendor selection and evaluation, Food selection.
- Food production – Food production planning, production schedules, principles of food production, methods of food production, production controls, quantity and quality control.

- Receiving and store room management - Elements of receiving, receiving process, dry storage, and low temperature storage.
- Food cost control – factors affecting food cost, records for control, pricing the products.

Food Laws and standards.

References:

1. Massie JL. Essentials of Management, Prentice Hall of India Private Limited, New Delhi, 1992.
2. Phillip TE. Modern Cookery for Teaching and the Trade, Orient Longman Ltd, Bombay, 1965.
3. Negi J. Food and Beverage Management and Cost Control. Kanishka Publishers and Distributors, New Delhi, 1999.
4. Negi J. and Manohar G. Food and Beverage Costing, Himalaya Publishing, Bombay, 2001.
5. Sudan A S, Foods and Beverage Management, Anmol Publications Pvt. Ltd., New Delhi, 2002.
6. Avery A C. A Modern Guide to Food Service Equipment, CBI Publishing Co. Bostan, 1985.
7. Dewan J.M. Catering and Food Service Management, Commonwealth Publishers, New Delhi, 1997.
8. Spears MC and Vaden AG. Food Service Organizations – A Managerial and Systems Approach, MacMillan Publishing Company, New York, 1985 .
9. West B B, Wood L, Shughart G S and Harger V F, Food Service Institutions, V ed., John Willy Sons, New York 1977.
10. S. Malhan and M. Sethi., Catering Management: An integrated Approach, Wiley Eastern Limited, New Delhi, 1989.
11. Kotshevar LN. & Terrell ME, Food Service Planning, Layout and Equipment, John Wiley and Sons Inc., USA, 1961.
12. Kinton R, Ceserani V, David Foskett, The Theory of Catering, ELST, London, 1999.
13. Palacio J P, Theis M, Introduction to Food Service. Pearson Prentice Hall, New Jersey, 2009.

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भरतपुर (राज.)

M.A. Home Science III semester

Residential Space Planning/ Apparel Technology

Maximum Marks-100

Total Teaching work load - 90 period

Paper code- HSC-303-304

303 or 304

Objectives:

1. To gain insight into the principles underlying house planning.
2. To develop an insight into land space planning.
3. Understanding the principles of art and design.

Unit – I

Family's housing needs Hours

Functions of housing

- Protective
- Economic
- Affection
- Social status

Factors influencing family housing needs

- Attributes of family
- Size and structure
- Activities and stage of life cycle
- Living habits etc.

Factors influencing selection and purchase of site for house building

- Vegetation, size, soil types
- Drainage , contour (shape)
- Orientation etc.

Legal aspect and procedure for

(a) purchasing

- Plot
- Apartment
- Independent house

(b) Construction of house

Calculating the cost of housing

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- Cost of land
- Cost of building materials
- Cost of labour
- Cost of supplies, electricity, water, sanitary fitting.

UNIT-II

Landscape management

Building terminology

- Layout, building, height of a building, plot or site street or road, applicant, building line.
- Sectional plan, licensed architect, set back line, alteration, height of room, balcony, barsati
- Basement, chajja, courtyard, detached building, habitable room, garage, uncovered area, chute, mezzanine floor
- Built-up, ground floor, floor area ratio, common area, carpet area, sub structure, super structure
- Plinth, plinth area, parapet wall, partition, floor area, wall area, circulation area, open space

Building rules and regulations

- General Rules
- Layout
- Requirements of parts/partition in building
- Submission of plan for approval
- Others

Construction materials used in building a house

- Building stones
- Clay products
- Metals products: Iron, steel and non ferrous
- Cement
- Lime
- Wood Products: Timber
- Glass
- Plastic

White wash, distemper and paints

Unit III

Types of houses

- Tenement
 - Apartment
 - Duplex
- Row houses

Principles of planning the residential space

- Aspect
- Prospect
- Grouping of rooms
- Ventilation
- Service
- Orientation
- Roominess
- Circulation
- Privacy
- Flexibility
- Sanitation
- Economy
- Elegance

Building Services

- Electrical , water supply , sanitary

Planning of different rooms

- Importance of all the rooms
- Recommended size of rooms

Floor decoration with the use of elementary art

Table setting & etiquettes

- Selection of table wares for traditional & continental meals
- Setting for Indian traditional and continental meals.
- Formal and buffet arrangements



References:

19. Adams, S.T. (1981), How To Buy, Repair And Maintain Home Systems And Applications, , ARCO Publications, New York.
20. Agan Tessie (1986), The House Its Plan And Use, Oxford and IBH publishing company, New Delhi,
21. Agan, Tessie (1951), The House Its Plan And Use, J.B. Lippincott New York.
22. Broadbent G., Bunt R. & Charles Zencles, (1980), Sign, Symbol And Architecture , John Wiley & Sons, New York.
23. Choudhary, R. (Editor) English Lettering and Alphabets, Gaurav Publishing house, New Delhi.
24. Couran Terence (1974), The House Book, Mitchell Beazley Publications Ltd, London.
25. Deshpande, R.S. (1995), Modern Ideal Homes For India, Deshpande Publication Trust, Puna.
26. Deshpande (1991), Build Your Homes, United Book Corporation, Puna.
27. Deshpande (1991), Modern Ideal Homes of India, united Book Corporation, Puna.
28. E & OE. "Planning – The architects Handbook"
29. Ferdrick, S. Merit (1981), Building Design and construction and Handbook, New Delhi.
30. Gill, Robert W. (1984), Rendering with Pen and Ink (2nd Edition), Themes and Hudson Ltd. London.
31. Jones, Bridget (2000), Entertaining in Style, Annes Publishing Ltd., London.
32. Joseph, D. Falcon, (1987), principles and practices of Residential Construction, Prentice Hall. New Jersey.
33. Patani M., (2010), Home Management, Star Publication, Agra.
34. Mills, Edward D. (Ed), (1985), Planning: The architects 'Hand book, 10th Edition, Butlerworths.
35. Millar, Max (1960), Know How To Draw, B.T. Batsford Ltd., London.
36. Paltison Garden Day (1982), A Guide To Professional Architectural And Industrial Scale Model Building. Eagle Wood Cliffs, N.J. Prentice Hall.
37. Peet L.J. and Arnold M.G., (1970), Household Equipment, John Wiley and Sons, New York.
38. Raja Rao, T.N., Subranayan. Y , (2000) , Planning of Residential Buildings, Standard Publisher, New Delhi
39. Teemen L. (1974), How it works and how to give it. New American Library
40. Gillat M. & Goldstein V. (1967), Art Everyday Life, Oxford & IBH publishing Co., New Delhi.
41. Goldstein M. & Goldstein V. (1967), Art Everything Life, McGraw hill Books comp.Ltd. , New York.

M.A. Home Science III semester

Apparel Technology (Theory)

Maximum Marks: 100

Total Teaching Hours: 60 Periods

Paper Code – HSC - 304

for fashion design
303 or 304

OBJECTIVES:

- To enable the students to develop the aptitude towards garment construction
- To develop strong foundation to understand the basics of fitting and clothing construction
- To understand garment export and apparel Industry

CONTENT

UNIT I

20 periods

Pattern making

- 1) Introduction of paper pattern
 - i) Types of pattern
 - ii) Techniques of pattern making – drafting, draping, flat pattern
- 2) Their principle, application and limitation in clothing construction
- 3) Commercial Pattern- Pattern information & pattern marking, pattern envelope and guide sheet.
- 4) Special considerations in designing and layout of the garment for prints, plaids checks, one way fabrics, bi-directional, border,
- 5) Handling of special fabric while cutting and stitching (deep pile, lace, velvet, chiffon, knits and leather)
- 6) Supporting or underlying fabric: lining, inter lining, interfacing and underlining.

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UNIT II

20 periods

- 1) Principles of fitting & figure irregularities.
- 2) Factors affecting good fitting.
- 3) Common problems encountered in fittings of garments, and how to remedy them.
- 4) Basic alterations (remedies for fitting defects, lengthwise & width wise, alteration for both above waist & below waist garments).
- 5) Guide to judge good workmanship in ready to wear garments - Fabric, seam allowance, hems, cuts, size, finishes, fit, pockets, Plackets, fastening and trim.
- 6) Social and psychological aspects of clothing
 - Functions of clothing
 - Theories of clothing
 - Clothing in relation to status, culture and rituals
 - Individuality and conformity
 - Conspicuous consumption

UNIT -III

20 periods

- 1) Meaning and scopes of business with special reference to garment export trade in India.
- 2) Overview of Apparel Industry
 - Design, Sampling and Costing
 - Fabric Section
 - Layout and Cutting Department
 - Sewing Section
 - Inspection and Quality Control
 - Packaging
- 3) Equipment and tools used in the different sections of apparel Industry
- 4) Computer application / automation in garment manufacturing

References:

- Gini Stephens Frings, *Fashion from Concept to Consumers*, Prentice Hall, New Jersey
- Stone Elaine, *Samples J.A Fashion Merchandising*, Mc Graw Hill Book Company, New York
- Aldrich Winifred, *Fabric, Form and Flat Pattern Cutting*, Om Book Service, New Delhi
- Bane A. (1979): Flat pattern design, McGraw Hill Co
- Bane A. (1979): Tailoring, McGraw Hill Co.
- Doongaji S. & Deshpande R.: Basic Processes & clothing Construction.
- Kefgan & Phyllis T. Individuality in clothing, Specht & Mac Million Publication.
- Mabel D.E. & A.K.: Clothing for Moderns, 3rd edition, New York: Mac Million.
- Tate & Glisson(1961): Family Clothing, New York, John Wiley.
- Amita, A. Stamper, Sue Humpheris Stamp. (1986), Evaluating Appareal Quality, Fairchild, New York.
- Armstrong J., Pattern making for fashion design (4th edition) , Pearson education
- Thompson & Rea (1947), the clothing for Children, John Wiley and sons, Inc., New York.
- Vatsala R., Textbook & clothing (2003), ICAR (Indian Council of Agricultural Research)
- Frings, Gini, Stephens, Fashion – Concept of Consumer, Prentice Hall International, New Jersey.
- Marilyn J, Horn, The second Skin (3rd edition) , Houghton Mifflin Company, London
- Marshall G.S, Jackson O. H, Stanley M. S. (2012), Individuality in Clothing Selection and Personal Appearance, Prentice Hall, New Jersey.
- Stone, Elaine and Sample, Jean, A Fashion Merchandising, McGraw Hill Book Company.

M.A. Home Science III semester
Residential Space Planning/ Apparel Technology- Practical

Maximum Marks-50

Total Teaching work load – 60 period

Paper code- HSC-311-312

Objectives :

1. To familiarize the students with the planning and understanding interior environment.
2. Understand the methods of interior construction techniques.
3. Understand art and apply its principles in the creation.

Contents :

1. Market survey on material & its cost used for building house.
2. Introduction to drawing equipment/Rendering techniques
3. Introduction to Lettering/Application of scale
4. Geometrical constructions of point, line, Quadrilateral and circle
5. Dimensioning
6. Plan, elevation, section
7. Drawing of housing and electricity symbols
8. Drawing of Architectural symbols for Furniture
9. Collection and analysis of LIG house plan
10. Collection and analysis of MIG house plan
11. Collection and analysis of HIG house plan
12. House plan of HIG
13. House plan of MIG
14. House plan of LIG
15. Drawing of colour wheel, tint & shade chart and colour schemes
16. Floor decoration: rangoli using rice
17. Floor decoration : rangoli using flowers
18. Floor decoration : rangoli using colour powder
19. Floor decoration : alpana/ mandana
20. Types of table setting: traditional & continental
21. Table manners and etiquette
22. Types of Napkin folding
23. Wrapping of gift: rectangle, square, cylindrical, round and irregular boxes
24. Envelop making/Card Making

Scheme of Examination

Exercise
Marks

Major- House plan for LIG, MIG, HIG.

Minor I - Lettering technique/ rendering technique/

House Planning symbols/Furniture symbols/color wheel and scheme 5

Minor II – Table setting/Napkin folding/card making/floor decoration 5

Internal

Apparel Technology Practical

Maximum Marks: 50

Paper Code – HSC – 312

Objectives:

1. To equip students with Flat Pattern Method
2. To instruct them to learn about girls and women clothing
3. To observe during visits and write reports
 - 1) Making Sloper by Flat pattern method
 - 2) Method of pattern development by
 - i) Dart Manipulation by Slash and Spread Method
 - ii) Pivoting Method
 - 3) Construction of following garments
 - i) Women's Tops using different collars and sleeves - two
 - ii) Party wear dress for teenager
 - iii) Saree blouse
 - iv) Night Wear
- 4) Visits to the following institutions to gain information and write report on any two
 - Small scale industry
 - Computer aided designing institute

- Garment & textile Fairs
- Boutiques

Examination Scheme

- Internal – 20 Marks
- Major Problem – 23 Marks (Drafting, Stitching and Finishing)
- Minor Problem – 7 Marks (flat pattern work)

20

M.A. Home Science III semester

Research Work/Placement Dissertation/Project/ Internship- Practical

Maximum Marks-50

Total Teaching work load -60 period

Paper code- HSC-313

Objectives :

1. To enable students to make and present a plan for research.
2. To impart systematic and practical knowledge of research and its applied aspects .
3. To develop scientist quality in students.

Contents :

Identification, analysis and selection of research problem and its relevance
Collecting relevant review and research paper regarding to research problem
Synopsis writing and power point presentation

- Introduction
- Rationale of the study
- Objectives
- Review If literature (minimum 20 literatures should be cited)
- Brief methodology
- Plan of action
- Bibliography

References: Refer available journals, research studies and abstract books

M.A Home Science111 Semester

Entrepreneurship& Institutional Management(Practical) -Optional to Dissertation ,Internship, and Project Work.

Maximum Marks- 50

Total Teaching work load-60 period

Paper Code-HSC-313

OBJECTIVES

- To understand the design and operations of food service units.
- To be knowledgeable about products and their price in market.
- To develop skills to plan menus for various food service.
- organizations within specific budgets To standardized recipes for quantity cooking.

Contents:

- 1-Design and layout of various work centers in a food service unit.
- 2-Making list of equipments in a food service unit
- 3-Planning and preparation of menu for various occasions and to calculate amount of each food ingredients
 - a)Birth-day-----menu
 - b)Holy-function----menu
 - c)New-year-special---menu
 - d)Wedding---menu
 - e)Lhori-special----menu
 - f) Christmas special menu
- 4Calculate food cost, labor cost, operating cost and overhead cost of a home-made dish.
- 5 Preparation of quantity recipes for 20 persons with a main dish, 2side accompaniments and a dessert/soup.
- 6 Visits to catering establishment (Any one) welfare/ commercial/ transport catering.



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References:

- West B Bessie & Wood Levelle (1988) Food Service in Institutions 6th Edition Revised By Hargar FV, Shuggart SG, & Paigne Palacio June, Macmillian Publishing Company New York.
- Sethi Mohini (2005) Institution Food Management New Age International Publishers
- Tripathi P C & Reddy PW (2008) Principles of Management 3rd edition Tata Mc Graw Hill Book Company
- Knight J B & Kotschevar LH (2000) Quantity Food Production Planning & Management 3rd edition John Wiley & Sons
- Dessler Gary (2007) Human Resource Management 11th edition Prentice
- Hall New Jersey Luthans Fred (2004) Organisational Behaviour 10th Edition Mc Graw Hill International

M.A. Home Science IV semester

Statistics

Maximum Marks: 100

Total teaching work load- 90 period

Paper Code – HSC – 401

Objectives:

1. To understand the significance of research methodology and statistics with regards to research in Home Science
2. To Develop ability to construct data collection tools and techniques appropriate to the research design
3. To Apply appropriate statistical tools for meaningful analysis and interpretation of research data

Content:

UNIT I

Statistics: role, meaning, definition and scope in research.

Classification and tabulation of data. Graphical and diagrammatic representation of data: Histogram, Pie chart, bar graph and line graph

Measures of central tendency: Mean, median, mode & quartiles

Measures of Dispersion: Range, Mean Deviation, Standard Deviation and quartile deviation Properties and application of normal distribution curve: Elementary idea of skewness and kurtosis, Laws of probability with suitable examples

UNIT II

Overview of parametric and non parametric test

Test of hypothesis:

A. Large sample test: Z-test for population mean

B. Sample test: t-test for population mean

F-test for population variance

UNIT-III

Basic formulas/equations and use of measures of relationship: Correlation and regression.

Non parametric test: Chi square test: as a goodness of fit (2X2 contingency table)

References:

Simpson G & Kafka F (1965): Basic Statistics, A textbook for the first Course. Oxford & I.B.H. Publishers Co. Calcutta.

Gupta, S.P. (2014) Statistics Methods. 44th ed. Sultan Chand & Sons Publishers, New Delhi.

Agarwal, B. L. (2012) Basic statistics. 1st ed., Anshan Publishers, Tunbridge Wells, Kent. UK.

Simpson & Kafka: Basic Statistics, Oxford & I.B.H. Publishers Taro Yatnmue: Sampling Theory

Goon, Gupta & Das Gupta: Fundamental of Statistics, Vol. I & II

Snedecor & Cochran: Statistical Methods, oxford and I.B.H. Publishers

Shukla , M.C. R. Gulshan, S.S. : Statistics – Theory and Practice, Sultan Chand & Co.

Good, C.V. and Carter. D.E. : Methods of Research – Educational, Psychological, Sociological

Applications, Century Craft, New York, 1954

Kerlinger, F.A. : Foundations of Behavioral Research, Century Craft, N.Y. 1966

Young, P.V. & Schind, C.G. : Scientific Social Survey and Research, Prentice Hall, New Delhi, 1968

Philips, B.S.: Social Research Strategy and Tactics

Mussen Paul : Hand Book of Research Methods in Child Development

Devdas R.P. & Kulandaivel : Hand Book Research Methodology, Sir Ram Krishna Mission.

Vidyalaya, 1971

Agarwal, B.L. : Basic Statistics, (Third Ed.), New age introduction Publishers

Sukhatme, P.V. & Sukhatme, B.V. : Sampling Theory of Surveys with Applications

Murthy, M.N. : Sampling Theory and Methods, Statistical Publishing Society, Indian Statistical

Institute, Calucutta

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Select Group **M.A. Home Science IV semester**

Interior space design -I

Maximum Marks-100

Total teaching workload -90 period

Paper code- HSC 402

Objectives :

1. Gain knowledge about the use of art principles in the field of interior.
2. To become aware regarding waste management.

UNIT-I

House Interiors & its treatment

Wall & wall finishes

- Definition & importance
- Types of walls
- Wall treatments: paints, plaster, panelling, wall papers

Floor & floor coverings

- Definition & importance
- Types of floor finishes
- Floor coverings
- Types of floor covering

Ceilings

- Definition & importance
- Types of ceilings
- Treatments for ceilings

Door & Window

- Parts of a door & window
- Types of doors & windows

Arches

- Introduction & importance
- Types of arches

Stairs

- Introduction & importance

Types of stairs

UNIT-II

Room decoration

Furniture

- Types of furniture
- Selection use & care
- Ergonomic design of furniture
- Arrangement of furniture in various rooms

Using Anthropometric measurements in room for furniture arrangement

- Bed room
- Drawing room
- Dining room
- Children room

Flower decoration

- Selection of plant material for
- Fresh arrangement
- Dry arrangement
 - (a) Basic equipments
 - (b) Vases and containers
 - (c) Type of flower arrangement
 - (d) Shaping an arrangement

Door and window treatments

- (a) Hard
- (b) Soft
- (c) Accessories

Art & Accessories

- Selection and use for various rooms:
- Types of accessories
- Selection
- Use

Interior lighting

- Light fixture, accessories and protective devices
- Types & purpose of light for various rooms and various activities
- Quantity and quality of light available from various sources
- Calculation of lighting requirements in a room

UNIT-III

Kitchen planning & waste management

- Kitchen as an important unit of house
- Functions performed in kitchen
- Functional design & arrangement of work places.

Kitchen geometry

- Work heights of different work areas and storage areas
- Space dimensions of different work centres and work areas

Principles of kitchen planning

- Orientation and location of a kitchen
- Size and shape of a kitchen
- Ventilation, light and socio- economic status of family
- Cost and aesthetics
- Storage needs
- Works centres and work triangle
- Colour and safety

Material specifications for kitchen

- Floor, wall, sink, ceiling and its characteristics
- Platforms, storage etc.
- Type of finishes

Using Anthropometric measurements in kitchen design

- Storage
- Counter

Domestic waste management techniques

- Salvage or manual component separation
- Compaction or mechanical reduction
- Incineration or thermal volume reduction
- Open dumping
- Sanitary land filling or controlled tipping
- Composting
- Vermiculture biotechnology
- Waste management by 3 R techniques : Reduction, Reuse Recycle

Kitchen Gardening

Pruthi

Dr. J. K. Singh
Dr. J. K. Singh

- Planning of kitchen garden
- Preparation of a kitchen garden
- Methods of propagation
 - Seed propagation
 - Vegetative propagation
- Rotation of crops
- Time for negotiable sowing
- Landscape gardening

Note: seminar presentation on selected topics from unit I

References:

1. All you need to know about design & Decorating, (1985) Marshal Carendish Books Ltd..
2. Birrel, Verla Leone (1967), Colour and Design. A basic Text (Vol. I & II) Digest submitted in requirement for the degree of education in Teacher college Columbia university.
3. Bryan Lawson (1980), How Designer Think, Architectural press Ltd.
4. Gillat M. & Goldstein V. (1967), Art Everyday Life, Oxford & IBH publishing Co., New Delhi.
5. Goldstein M. & Goldstein V. (1967), Art Everything Life, Mc Graw hill Books comp.Ltd. , New York.
6. Halse Altert O. (1978), The use of colour in interior (2nd Ed.), Mc Graw Hill Books Comp. Ltd. New York.
7. Harburgsen, Gaillhyn (1980), Design Concepts, Allyn & Bacon Inc.
8. Patani M., (2010) Home Management, Star Publication, Agra.
9. Sulharia and Diamond- Inside Design Creating Tour Environment: Harer and Row Publisher, New York.
10. Thomson C.H. (1970), home with character (III rd Ed.), Massachusetts. C. Health & Co., Lexinngton.
11. Varghese, M. Atreya, N. Bhatnagar, A. and Chatterjee, L , Ergonomics In Kitchen Design, Dept of P.G. studies and research in Home science, Mumbai.

Amulabon

na Sm
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John
na Sm

M.A. Home Science IV semester

Interior space design -II

Maximum Marks-100

Total Teaching workload – 90period

Paper code- HSC 403

OBJECTIVES

1. To provide the student of Interior Design a foundation in the techniques of drafting using computer as a tool.
2. To help the student understand the technology of computer and its terminology.
3. To enable the student to understand the applications of the software and graphic system.

UNIT – I

INTRODUCTION TO COMPUTER AIDED 2D DRAFTING

Understanding the use of drawing tools, object editing, drawing objects, filing and setting drawing units, scales, limits that size and dimensioning, lettering. Setting up of drawing of various simple objects with complete text and dimensioning.

UNIT – II

ADVANCE COMPUTER AIDED 2D DRAFTING

Advance command programming – Transparent overlays, hatching utilities, assigned colour and line type, use of multi-line, style, block, symbol library, manipulation for accurate drawings, incorporating the above mentioned utilities.

UNIT – III PRODUCTIVITY TOOLS

Introduction to tools of productivity – Blocks, slide facilities, script files and attributes. Understanding concepts of View port, concept of object linking and editing session.

UNIT – IV INTRODUCTION TO 3D DRAFTING

Introduction to 3D modeling techniques and construction planes, drawing objects, 3D surfaces, setting up elevation and thickness, and use of dynamic projections. Solid modeling with driving, primitive command and Boolean operations. Use of region modeling & solid modifiers.

REFERENCE BOOKS

1. V. Rajaraman, principles of Computer Programming – Prentice Hall of India
2. Byron S.Gottfried, Theory and Problems of Programming with C.Schaum's outline series, McGraw Hill Publishing Co.
3. Auto CAD Reference Manual – Autodesk UNC, 1998
4. Sham Tickoo, Understanding Auto CAD – 14

M.A. Home Science IV semester

Textile and Fashion Design I (Theory)

Maximum Marks: 100

Total teaching workload -90 period

Paper Code – HSC – 404

Objectives:

1. To teach students the basics of Fashion
2. To familiarize them to the rich heritage of dyed and printed textiles of India
3. To introduce the basics of Fashion

Content:

UNIT I

Fashion Study

- 1) Fashion terminology
- 2) Principles of fashions
- 3) Fashion cycle
- 4) Fashion Adoption Theories
- 5) Fashion components-silhouette, details, colour, fabric, texture
- 6) Factor influencing fashion cycle
 - a) Acceleratory factors
 - b) Retarding factors
- 7) Sources of fashion information
- 8) Fashion forecasting trends
- 9) National & international fashion designers

UNIT II

Dyeing and Printing

Classification of dyes: Natural and Synthetic

Stages of Dyeing: Fiber, Yarn, Fabric and Piece Dyeing

Dyes and Ecological concerns: Allergic dyes, carcinogenic dyes, red listed chemicals as per eco classification, German Ban, Indian Ban, banned dyes

Methods of printing: Direct, Resist, Discharge

Styles of Printing: Block, Screen, Stencil, Pigment, Rotary Screen

UNIT III

Traditional Textiles

Study in reference to origin, material used, processing techniques, colours and motifs used

Traditional Dyed Textiles

- Rajasthan – Bandhani
- Andhra Pradesh – Ikat
- Gujarat – Patola

Traditional Painted & Printed textiles

- Andhra Pradesh – Kalamkari – Kalahasti & Masulipatnam
- Nathdwara – Pichwais
- Orrisa – Patachitra
- Rajasthan – Sanganer and Bagru

References:

- Harold, Carr & Barbara, Latham., Fashion Design and Product Development, (1992), Blackwell Science Ltd.
- Carter, E., The Changing World of Fashion, (1977), G.P. Putnam's Sons, New York.
- Rubin, L.G., The World of Fashion, (1976), Canfield Publication, San Francisco.
- Brackman, Helen. L., Theory of Fashion Design, John Wiley and Sons, New York.
- Sharon, Lee. Tate., Inside Fashion Design, Harper and Row Publishers, New York

M.A. Home Science IV semester

Textile & Fashion Design II

Maximum Marks: 100

Total teaching workload- 90 Period

Paper Code – HSC – 405

Objectives:

- 1) To acquaint students with the Apparel and Textile organisations
- 2) To give concept of Merchandising and Retailing
- 3) To acquaint students with Traditional woven and embroidered textiles

UNIT -I

Computer Aided Designing

- Importance of CAD in textile Industry
- Hard ware and soft ware: Meaning, Parts, Functions and working
- Basics of soft ware – starting software, beginning a new drawing and creating a basic prototype drawing. Basic Commands
- Drawing with precision
- Creating and storing sloper in CAD
- Drawing textile designs and draping fabric on figures

Unit – II

Apparel Merchandizing and Retailing

- Merchandising Concepts: Core elements of Merchandising, open to buy
- Responsibilities of a Merchandiser
- Functions of a merchandising division – Planning, Controlling and execution
- Meaning & importance of retailing.
- Modern retail stores and future trends (Franchise retailing, Departmental stores, specialty stores, chain retailers, mail order houses, shopping malls).
- Designer label v/s Brands.
- E-retailing







Unit – III

Traditional Textiles

Study in reference to origin, material used, processing techniques, colours and motifs used

Traditional Woven Textiles

- Bengal – Jamdani , Baluchari
- Tamilnadu – kanjeevaram
- Maharashtra – Paithani
- Madhya Pradesh – Chanderi
- Uttar Pradesh – Brocades

Traditional Embroideries

- Jammu & Kashmir - Kashida
- Gujarat – Kutch
- Punjab – Phulkari
- Uttar Pradesh – Chikankari and zardosi
- Karnataka – Kasuti
- West Bengal – Kantha

Conservation and restoration of textiles

Special care of textiles

References

1. Bhavnani, E.(1974) Folk and Tribal Designers of India, D.B. Taraporewala sons and co. Pvt. Ltd. Bombay
2. BrijBhushan, J.(1958), The costumes and textiles of India, Taraporewala and sons, Mumbai.
3. Chattopadhyaya , kamaladevi(1975) , handicrafts of India All India handicrafts Board , New Delhi ,
4. Clarke, W. (1960)An Introduction to Textile printing , Newness – Butter worth's , Boston 1977
5. Mehta , R.J. , the Hnadicrafts and Industrial Arts of India , Taraporewala and sons , Mumbai ,
6. Gillow , J. & barinard , N (1991) Traditional Indian Textiles London : Thames & Hudson.
7. Kapoor R.C. & Jain R. (2000) Traditional & Beyond – handcrafted Indian Textiles, India Roli Books.

8. Kothari G. (1995) Colourful textiles of Rajasthan India : Jaipur Printers
9. Aarabai M. (1989) Patolos& resist dyed fabrics of India. New Tersely : Gujarat state Handicraft & Handloom Development corporation , grantha
10. Story J., Manual of Textileprinting , Thames and Hudson , publication London 1992.
11. Agarwal, O.P.,(1977), Care and Presentation of Museum projects – II , NRL.
12. Chattopadhaya , K.D. (, 1977) , Indian Carpets and Floor Coverings , All India Handicrafts Board , New Delhi.
13. Das, Shukla(1992) , Fabric Art-Hertiage of India , Abhinav Publications , New Delhi
14. Carr H., Latham B. (1994) , The Technology of Clothing Manufacture , 2nd edition , Blackwell Sc.
15. Fringes G.S. (1994), Fashion from Concept to Consumer, 6th Edition, Prentice Hall, New Jersey.
16. Stone, Elaine. & Samples, J.A., Fashion Merchandising: An Introduction, McGraw Hill Book Company, New York.
17. Cahan, L., A practical guide to Visual Merchandising, (1984), John Wiley and Sons, New York.
18. Packard, S., Fashion Buying & Merchandising (2nd Edition), (1983), Fairchild, New York.
19. Tate, S.L.and Edwards , M.S. (1982) The Complete Book of Fashion Design , , Harper & Row Publication. New York

Aarabai

Amir

Amir
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Amir

M.A. Home Science IV semester

INTERIOR SPACE DESIGN -I (PRACTICAL)

Max Marks: - 50 marks

Total Teaching workload –60 period

Paper code-HSC411

Objectives:

1. Know the various materials used in construction.
2. Gain knowledge in principles of planning various types of residential space.
3. Be able to top choose furnishing material keeping the financial consideration in mind.

Gain knowledge on furnishing; develop the skills of drainage, house plans and furniture layouts, creating design for furnishing items.

Contents:

- 1.-Market survey on material used in interiors window
- 2.-Market survey on material used in interiors door
- 3.-Market survey on material used in interiors roof
- 4.-Market survey on material used in interiors Ceiling.
- 5.-Market survey on material used for kitchen & modular kitchen
- 6.-Drawing types of door and window treatment
- 7.-Drawing of roof, ceiling & Flooring types
- 8.-Types of doors & window treatments
- 9.-Flower arrangement: fresh arrangement
- 10.-Making artificial flowers
- 11.-Flower arrangement: dry arrangement
- 12.-Making a Decorative article using any waste material like Vase, flowers & others
- 13.-Introduction to types of Furnishing, Accessories and lighting
- 14.-Drawing of standard kitchen plan
- 15.-Planning different types of kitchen- L- shape, one wall , U- shape and two wall kitchen
- 16.-Developing three dimensional plans of kitchen with storage unit- L shape and one wall
- 17.-Developing three dimensional plans of kitchen with storage unit- U shape and two wall

- 18.-Interior space planning for different areas of a house in terms of colour, furnishings, furniture arrangement, window treatments, floorings, ceilings, accessories, lighting-Bed room and children's room
- 19.-Interior space planning for different areas of a house in terms of colour, furnishings, furniture arrangement, window treatments, floorings, ceilings, accessories, lighting-Living room and dining room
- 20.-Interior space planning for different areas of a house in terms of colour, furnishings, furniture arrangement, window treatments, floorings, ceilings, accessories, lighting-Study room and drawing room
- 21.-Architectural model (three dimensional) of various rooms along with layout of interiors – bed room and children's room
- 22.-Architectural model (three dimensional) of various rooms along with layout of interiors-Living room and dining room
- 23.-Architectural model (three dimensional) of various rooms along with layout of interiors- study room and drawing room.
- 24.-Prepare a time chart for different negotiable sowing in kitchen garden.

Examination Scheme

Exercise

Marks

Major: Three dimensional Models of rooms and kitchen	20
Minor I Drawing of types of door/windows/roofs/ceilings/flooring	5
Minor II Flower arrangement/door or window treatments/lighting	5
Internal	20
Total	50

Signature

Signature

Signature
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Signature

INTERIOR SPACE DESIGN – II (Practical)

Maximum Marks-100

Total teaching workload- 60 period

Paper code- HSC 412

OBJECTIVES

1. This is essentially a computer laboratory based training course intended to upgrade the presentation skill of the students so as to enable them to produce high quality, photo – realistic drawings & walk through.
2. Presently the students would be trained in the use of software such as **Google Sketchup & 3D Home Architect** to model Interiors of buildings. However, the software may change over time & hence training would be imparted in their use.

UNIT 1

INTRODUCTION TO SKETCHUP & ITS TOOLS

Starting a drawing – Concepts –Principal tools for drawing, modification, construction, camera, walkthrough, sandbox etc – breaking edges, google toolbar

UNIT 2

USE & MANAGEMENT OF SKETCHUP

Model setting and managers – colours and materials – entities – making input & output – technical information – common tasks - applications

UNIT 3


INTRODUCTION TO 3D HOME ARCHITECT

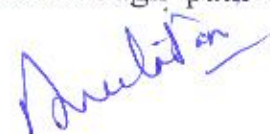
Starting a drawing – Drawing walls, windows, doors, staircases, columns, roof etc. modifying the properties of doors, windows etc. – applying materials, colour

UNIT 4

APPLICATIONS OF 3D HOME ARCHITECT

Adding furniture, fittings etc. - camera positions & viewing angles – rendering views with trees, cars, people etc. – Choosing a suitable walkthrough path & creation of the same


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M.A. Home Science IV semester

Examination Scheme

Exercise

Marks

EXERCISES USING INTERIOR DESIGN STUDIO PROJECTS

Exercises in the use of Sketchup & 3D Home Architect for the designs done
30 mark

as a part of the Design studio classes will be done

Internal

20

Total

50

TEXT BOOKS

1. User manual & tutorials of Google Sketch Up software.
2. User manual & tutorials of 3D Home Architect software

M.A. Home Science IV semester

Textile and Fashion Design I (Practical)

Maximum Marks-100

Total teaching workload- 60 period

Paper code- HSC 413

Objectives:

To learn drawing fashion figures of men and women

To learn draping and designing costumes on fashion figures

To learn design features

Contents:

- Rendering of fabric swatches and fabric drapes using different media – color pencils, marker pens, water color, poster colors and drawing ink.
- Drawing various design features -different types of skirts, trousers, necklines, collars, sleeves and yokes


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- Introduction to 8 head theory and developing a stick figure into block and flesh figures.
- Understanding the basics of different head theories and application of 10 head theory in illustration
- Free hand drawing of lines and strokes. Drawing Heads and faces – Hairstyles – arms, hands, legs and feet.
- Dividing the figure into various parts using lines like plumb line, center front line, princess line, waist line, side seams, arm holes, jewel neckline, panty line, bust line etc
- Learning pencil techniques and shading – Three Dimensional figure
- Obtaining various textures and patterns of fabric through pencil shading
- Adding garment details- sketching folds and creases as per posture
- Sketching and creating apparel styles for women – Formal wear, casual wear , sportswear , night wear – lingerie, beach wear, party wear and ballroom gowns.
- Illustrating Women in Front view, Back view, Side view and 3/4th view adopting the head theories.
- Illustrating Men in Front view, Back view, Side view and 3/4th view adopting the head theories.
- Converting photographic poses from magazines into fashion illustration – stylized figures.
- Creation of Portfolio – Preparation of mood board – customer profile - color palette - swatch board - - flat sketch and illustration.

References:

1. Fashion design drawing and presentation - Patric John Ireland
2. Fashion sketch book – Bina Abling
3. Bina Abling, Fashion Rendering with colours, Prentice Hall, New Jersey, 2001.
4. Patrick John Ireland, Fashion Design Illustration. Men, Om Books International New Delhi, 2005
5. The Basics of Drawing, The complete art course, 1994 Spain, Merehurst limited.
6. Illustrating Fashion, Kathiryn Kelvey & Jamine Munslow, 1997

7.Ritu Bhargae, Fashion Illustration and rendering, B. Jain Publishers (P) ltd, New Delhi, 2005.

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

M.A. Home Science IV semester

Textile and Fashion Design II (Practical)

Maximum Marks-100

Total teaching workload- 60period

Paper code- HSC 414

Objective :

- To acquaint students with computer aided designing.
- To impart the skill of fashion designing through coral draw and adobe photo.

Content:

1. Introduction of Coral Draw

- Draw 10.5 head female croque with grids and guideline.
- Illustrate fashion figure in different poses and movement.
- Drawing basic silhouette and accessories, sleeve collars pockets etc.
- Develop motifs by scanning and drawing with use of CAD command
- Create full design with repeat and color combination
- Creation of mood boards (by using coral and picaasa)
- Creation of color boards
- Creation of motifs

2. Adobe Photoshop

- Creating different types of effects with respect to various prints
- Creating effect of different fabrics (Burlap pattern, cotton batiste, linen, muslin, chiffon, flannel, canvas, denim, plaid, check, leather pattern, argyle, polka dot, chevron)
- Make repeat of design (Radical, Random, Ogee, Block, Brick, Half drop, Mirror, Diamond, Overall and Reduce or Enlarge)


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- Image sourcing and realistic composite replacing a background
- In both software we learn how to importing and exporting saving images.

M.A. Home Science IV semester

3. Traditional embroideries of different states

- Kashida of Kashmir
- Chikan kari of Uttar Pradesh
- Kasuti of Karnataka
- Sindh and Kutch of Gujrat
- Phulkari of Punjab
- Kantha of Bengal

References

- Tantham, Caroline, Fashion designing and drawing , Thomas and Hudson
- Winfred Aldrich 1992 Cad in Clothing and Textiles Bsp Professional
- Drude , Elleisabetta Figure Drawing for Fashion Design . The Peep Press Singapore 2003

Examination Scheme

- Internal – 15 Marks
- Major Problem – 20 Marks
- Minor Problem – 15 Marks

Research Work/ Placement/ Dissertation/ Project Internship

Maximum Marks-50

Total teaching workload- 60period

Paper code- HSC 415

Objectives:

To give an enriched field experience in the selected area

To prepare and submit the report on the work done

To equip the students to present the work

M.A. Home Science IV semester

Examination Scheme

- Internal – 15 Marks
- Presentation and Viva voce examination by a three member jury- 35


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M.A 1V SEMESTER

**Title-Women Empowerment and Studies(Theory)--Optional to
Dissertation, internship, and project work**

Maximum Marks;100

Total teaching work load-60 pd.s

Paper Code-HSC-413

UNIT 1

- The social construct of femininity;
- Women in the Indian society; Women's position from Vedic times to Modern times;
The demarcation of roles by gender: The concept of sex and gender:
- Public and domestic dichotomy: Illiteracy among women;
- Feminism and its theories; Women's movements;
- Women and social evils; Violence against women;
- Awareness among women and in society concerning women's issues; problems of urban, rural and tribal women;
- Levels of political integration and participation of Indian women.

UNIT-2:





- Changing values and women;
- Role of education in attitudinal changes;
- Gender equality; Awareness of women's position, role. Rights and responsibilities.
- Illiteracy among women; Importance of functional literacy and adult education;
- Family welfare and health education;
- Pathways toward Exposure in mass media, advertisements and sports.
- s women's empowerment and autonomy
- Issues of divorced/ separated/ widowed/ destitute women; single women; unwed mother; aged women;


UNIT- 3:

- Origin and growth of professionalism among women;
- Women, work and family; decision-making; Role of women in economic development;
- Women organization and social networks.
- Development of women in rural areas.
- Legislation for the social security of women;
- Legal status of Hindu, Christian and Muslim women;
- Women and deviance;
- Legal strategies for the empowerment of women.
- Income generation and poverty alleviation programmes; welfare measures for the improvement of women's working conditions.

References-;

- Chanana, Karuna (ed.). Socialization, Education and Women: Explorations in Gender Identity. Delhi: Orient Longman, 1988.
- Datta, V.N. Sati: A Historical, Social and Philosophical Enquiry into the Hindu Rite of Widow Burning. New Delhi: 1988.
- Desai, Neera and Maithrai Krishnaraj. Women and Society in India. Delhi: Ajanta, 1987.
- De Souza, Alfred. (ed.). Women in Contemporary India. Delhi: Manohar, 1975.
- Dhruvarajan, Vanaja. Hindu Women and The Power of Ideology. Delhi: Vistaar, 1989.
- Engineer, Asghar Ali. The Rights of Women in Islam. Delhi: Sterling, 1982.
- Kosambi, M. Women's Oppression in The Public Gaze, RCWS, Mumbai, 1994.
- M. PHILIP and K.S. BAGCHI, The Endangered Half, Upalabhadhi Pub., New Delhi, 1995.
- Poonacha, Veena. Understanding Violence, SNDT, Mumbai, 1990.
- Bassnett, Susan. Feminist Experiences: The Women's Movement in Four Cultures. London: Allen and Unwin, 1986.
- Bagchi, Jasodhara Jaba Guha and Piyali Sen Gupta. Loved and Unloved: The Girl Child in The Family. Stree, Calcutta, 1999.

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