

Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)



Scheme and Syllabus

of

M. A. (Home Science)

Program Code: MAHSR112

**Semester system for affiliated college
(As per LOCF and credit system)**

w.e.f. 2023-2024

(As approved by AC and EC meetings held on 16.08.2023 and 18.04.2023 respectively)



अटल बिहारी वाजपेयी विश्वविद्यालय, बिलासपुर (छ.ग.)

कोनी पुलिस थाना के सामने, बिलासपुर-रतनपुर मार्ग, कोनी, बिलासपुर (छ.ग.) 495009

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Scheme of MA (Home Science) under Semester System

Program Code: MAHSR112

Semester	Course Code	Subject Name	Credit			Total Credit	Marks			
			L	P	T		ESE	IA	Total	
									Max	Min
First	HSCT101	Basics of Food & Nutrition	3	-	1	4	80	20	100	36
	HSCT102	Clinical & Therapeutic Nutrition	3	-	1	4	80	20	100	36
	HSCT103	Extension Education I	3	-	1	4	80	20	100	36
	HSCT104	Research Methodology	3	-	1	4	80	20	100	36
	HSCP101	Food Science & Nutrition	-	4	-	4	100	-	100	36
	Subtotal		12	4	4	20	100	-	500	-
Second	HSCT201	Textile & Clothing	3	-	1	4	80	20	100	36
	HSCT202	Textile Designing	3	-	1	4	80	20	100	36
	HSCT203	Extension Education II	3	-	1	4	80	20	100	36
	HSCT204	Statistics & Computer Application	3	-	1	4	80	20	100	36
	HSCP201	Textile & Clothing	-	4	-	4	100	-	100	36
	Subtotal		12	4	4	20	100	-	500	-

PROGRAMME SPECIFIC OUTCOME

M. A. (Home Science)

Programme Specific Outcome(PSO)

To equip students for possible entrepreneurial ventures in various areas for gaining knowledge of foods and nutrition

PSO 1: To acquaints girls with Meal Planning for low and high economic group, for every disease ,for every age group.

PSO 2: To develop capacity for good communicative skills, child counseling and pre- school and school teaching, child rearing practices

PSO 3: To acquaints with proper notion regarding choice of fabrics ,to develop skills for clothing construction


PSO 4: Become aware of the need ,competencies and skills to be developed for Empowerment and be motivated for self improvement from the perspectives of personal and national development

PSO 5: Become aware of the inter-disciplinary of home science education and its potential for personal and professional enhancement.

PSO 6: Develop an ability to improve the nutritional quality of food.

PSO 7: Become aware of the interceptive and preventive family measures

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Dr Seema Mishra



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Part A: Introduction				
Program:- M.A. (Home Science)		Semester- First	Year:- 2023	w.e.f:-2023-2024
1	Course Code	HSCT 101		
2	Course Title	Basics of food and nutrition Paper- I		
3	Course Type	Theory		
4	Pre-requisite (if any)	Nil		
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• Understand the functions of food and the role of various nutrients, their requirements and the effects of deficiency and excess• Learn about the structure, composition, nutritional contribution and selection of different food stuffs.• Be familiar with the different methods of cooking, their advantages and disadvantages.• Develop an ability to improve the nutritional quality of food.		
6	Credit Value	04		
7	Total Marks	Internal Marks:20 External. Marks: 80	Min Passing Marks : 36	

Part B: Content of the Course		
Total No.of Lecture: 60		
Unit	Topics	No of Lectures
1	Concept of Nutrition – Food; Nutrients; Nutrition, Under and over Nutrition, Health Functions of Food Food groups, Balanced diet	12
2	Nutrients: Macro nutrients: Classification, sources, functions Recommended Dietary Allowances, Deficiency and excess, Water, Carbohydrates Fats, Protein, Fiber.	12
3	Calcium Iron, Magnesium, Zinc, Iodine Fluorine, Selenium, Copper, Manganese, Fat-soluble vitamins (A, D, E,K), Water soluble Vitamins (Thiamine, Riboflavin, Niacin) Vitamin C, Pyridoxine, Folic Acid, panthothenic vitamin B12	12
4	Food Production (in brief), Food composition Structure nutritional contribution and selection factors for the following: Cereals and millets Pulses, Fruits, Vegetables, Milk and Milk Products, Nuts and oilseeds, Meat, Fish and poultry, Eggs, Sugars, Tea, coffee, cocoa, chocolate and other beverages, condiments and spices, processed foods	12
5	Methods of cooking their Advantages and Disadvantages and Effect on Nutritive Value :Improving Nutritional Quality of Foods,	12



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Germination, Fermentation, Supplementation, Substitution, Fortification and enrichment.

Keywords:- Foods and Nutrition , Macro nutrients, food groups, structure and composition, Methods of improving, Nutritional quality of food.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. Normal and therapeutic Nutrition : Robinson, C.H., Lawler, M.R. Chenoweth, W.L and Garwick'A.E, 17th Edition, Macmillan Publishing Co.
2. Essentials of Food and Nutrition VI : Fundamentals Aspects VII: Applied Aspects.: Swaminathan, M.S., 2018 Edition, The Bangalore Press Publisher.
3. आहार एवंपोषण.डॉ अरुणा पाल्टा, 3rdEdition, Shiva Prakashan.
4. आहार एवंपोषण.डॉवृन्दा सिंह, 1stEdition, PanchsheelPrakashan
5. Introductory Foods: Hughes, O.Behnion, M. 5th Edition MacMillan Company.
6. Nutrition and Diet Therapy : Williams, S.R., 4th Edition, C.V. Mosby Publishing Company.
7. Food Science : B. Shrilaxmi, 7th Edition, New Age International Publisher.
8. Nutrition and Diet Therapy: Sue Rodwell Williams, 6th Edition, Times Mirror/Mosby College Publishing.

E-Resources:

1. <https://youtu.be/8eE9RBOWwQI>
2. <https://youtu.be/5izNgcww67Y>
3. <https://youtu.be/-thjTjn9Y88>
4. <https://youtu.be/l-faxn4LFQs>
5. <https://www.sciencedirect.com/journal/food:structure>
6. <https://www.google.com/search?q=Locaiy+Avaliabe+Foodanddq=Localy+Avaliabe+Foodandaqs=c hrome..69i57j0i1314j0i15i22i30j0i22i30j0i15i22i30j0i22i30i2.4818j0j9andsourceid=chromeandie=UTF:8>

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M.A. (Home Science) BOS Chairman/Member Name	Signature and Mbb. No.
1. Dr. Seema Mishra, Govt. Bilasa Girls P.G . College, Bilaspur	
2. Dr. Archana Dixit, Govt. Bilasa Girls P.G . College, Bilaspur	
3. Er. Yshawant Patel, UTD, ABVV, Bilaspur	
4. Smt. Rewa kulshrestha, UTD, ABVV, Bilaspur	
5. Prof. Veena Tiwari, Rani Durgawati University, Jabalpur (M.P.)	
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Part A: Introduction			
Program:M.A.(Home Science)		Semester-First	Year:2023 w.e.f:2023-2024
1	Course Code	HSCT-102	
2	Course Title	Clinical and Therapeutic Nutrition Paper- II	
3	Course Type	Theory	
4	Pre-requisite(if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• Understand the concept of an adequate diet and the importance of meal planning.• Know the factors affecting the nutrients need during the life cycle and the RDA of various age groups.• Gain knowledge about dietary management in common ailments.• To understand the basic knowledge of all epidemic diseases.• To understand the therapeutic treatment of all human diseases.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course		
Total No. of Lectures : 60		
Unit	Topics	No. of Lecture
1	Definition of Health and nutrition: Dimensions of health physical psychological emotional and spiritual Energy requirements: Factors affecting energy requirements BMR, Activity, age, climate, diet- inducedthermo-genesis(SDA psychological conditions) concept of nutritionally adequate diet and meal planning: Importance of meal planning ,factors affecting meal planning Nutritional, socio -cultural, religious, Geographic economic availability of time.	12
2	Nutrition through the life cycle: (at different activity and social economic and levels) requirements, nutritional problems, food selection . Adulthood, pregnancy, lactation, infancy.	12
3	Principle of diet therapy: pre-school, adolescent old age modification of normal diet for therapeutic purposes, full diet, soft diet fluid diet, bland diet. Energy modification and nutrition for weight management	12



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	Identifying the over-weight and obeseiologicalfactors contributing to obesity prevention and treatment, low energy diet.	
4	Etiology, symptoms and diet management of the following underweight- etiology and assessment, high energydiet Diet for Febrile condition and surgical condition. Nutritional anemia, fevers – typhoid, diarrhea, constipation, peptic ulcer, jaundice, viral hepatitis, cirrhosis.	12
5	Diet in disease of the endocrine- pancreas- Diabetes mellitus classification, symptoms, diagnosis dietary case and nutritional, management of diabetes mellitus. Insulin, therapy, oral hypoglycemic agent special dietetic food,sweetness and sugar substitutes, diabetic coma, Juvenile diabetes. Disease of the cardiovascular system Atherosclerosis Etiology and risk factor Hypertension- Etiology, prevalence nutritional management and prevention Renal disease- Etiology, characteristics symptoms and dietary management of glomerulonephritis acute and chronic.	12

Keywords: -Energy requirement, Under and overweight Diet in disease.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. Krause, M.V. and Mohan,L.K 1986: Food Nutrition and Diet Therapy,
2. Dietetics – B. Shrilaxmi ,8th edition, New Age International publishers.
3. Human Nutrition and Dietetics- Passmore,8th edition, Livingstone Publishers.
4. Normal and Therapeutic Nutrition- Robinson,17th edition, Mac Millan publishing Company.
5. Food, Nutrition and Diet Therapy- Krause, 11th edition, Saunders Publishers.
6. Nutrition and Diet Therapy- Williams,4th edition, C.V.Mosby Co. Publishers.
7. Modern Nutrition in Health and Disease- Shils, M.E. Olson,8th edition, Lea and Febigera Waverly Company Publishers.

E- Resources:

1. https://www.google.com/search?q=principles+of+diet+therapy&rlz=1C1JJTC_enIN950IN950&oq=principle+of+diet+&aqs=chrome.2.69i57j0i1019.15376j0j15&sourceid=chrome&ie=UTF-8
2. <https://www.youtube.com/watch?v=OVM97v-Ysmw>
3. https://onlinecourses.swayam2.ac.in/cec21_hs09/preview.



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Part A: Introduction			
Program: M.A.(Home Science)	Semester: First	Year:2023	w.e.f:2023-2024
1	Course Code	HSCT103	
2	Course Title	Extension Education Paper- III	
3	Course Type	Theory	
4	Pre-requisite(if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to.. <ul style="list-style-type: none">• To understand the basic concept of extension education.• To understand the programmes for women and children.• To understand the programmes to enhance the food production.• To understand the role of NGOs for community benefit.• To understand the various community problems in Indian community.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course

Total No of Lecture:60

Unit	Topics	No of Lecture
1	1. Concept of education (a) meaning of extension (b)origin of extension 2.Extension education process. (a) Environment for learning Role of educator Role of the people participants.	12
2	Concept of adult non formal education: (a) communication process (b) Meaning (c) Purpose (d) Planning at different levels – National to Grass roots	12
3	Programmes to enhance food production: (a)National food production programmes, poverty alleviations efforts (a) programmes for poverty alleviations for rural and urban areas. (b) Current programmes for rural and urban poor.	12

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4	Programmes for women and children: Women as target groups-specific measures for women and children such as DWCRA, ICDS, IMY, current programmes for women as initiated and implemented by the different Ministries and departments.	12
5	Advertising media: Different media for advertising- print media, newspapers and periodicals, Broadcast media- television and film, Non-media advertising, outdoor advertisement- Holdings, poster, blackboard, Bulletin boards, electronic signs letter bins, Aerial methods	12

Keywords:- Extension Education , Advertising media, Programmes for women and children

t C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. Prasarshiksha, Dr.BrindaSingh, PanchsheelPrakashan.
2. Extension Education, Shruti, 2nd Edition, New Vishal'e Publisher,
3. Textbook of home science: Extension Education, Serene Shekhar, Prakesh Publications, Delhi.
4. PrasarShiksha and Sanchar, Dr Manu Patni, 4th Edition, Sanchar Publishers Agra.
5. Community organization and development – an Indian perspective: Asha Ramagonda Patil, 1st Edition, PHI Learning.
6. Community organization and social work: Sheeba Joshep, Vishnu Das, 2016 Edition, Discovery Publishing.
7. A Study of Rural Economics: Systems Approach, Desai, Vasant 1990 Edition, Himalaya Publishing House

E- Resources:

1. <https://youtu.be/xc4tUE9y300>
2. <https://youtu.be/LyPCdnNhtvg>
3. https://youtu.be/7146T3_BVg8
4. <https://youtu.be/GRKopffBwF0>



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Part A: Introduction			
Program: M.A. (Home Science)		Semester: First	Year: 2023 w.e.f: 2023-2024
1	Course Code	HSCT104	
2	Course Title	Research Methodology Paper- IV	
3	Course Type	Theory	
4	Pre-requisite (if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• To understand the basics of Research.• To understand the concept of hypothesis.• To understand the basic knowledge of sampling and data presentation.• To understand the various methods of data processing.• To understand the various methods of data presentation.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course		
Total No of Lecture: 60		
Unit	Topics	No of Lecture
1	1. science, scientific method and approach 2. social research and survey: Meaning definition, nature scope objects types distinction between social survey and research. 3. Pretesting and pilot survey	12
2	1 Fact theory and concept. 2.hypothesis: definition ,source, characteristics, importance main difficulties in the formation of hypothesis, disadvantage 3. Source of data: primary and secondary source.	12
3	Methods of techniques of Data Collection: <ul style="list-style-type: none">- observation- interview- schedule- questionnaire- case study	12
4	Sampling: Meaning, characteristics, advantage and disadvantage. types: - Random sampling - Purposive sampling - Stratified sampling - other sampling method	12

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	Classification and Tabulation of data	
5	Analysis and interpretation of data. preparation of the report. Diagramatic presentation of data.	12
Keywords:- Scientific methods, Hypothesis, data collection		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. Research Methodology, CR Kothari, New Age International Publishers, Delhi.
2. Research Methodology: Methods and Techniques, RK Jain, 5th Edition, Arohi Publishers, Agra.
3. Research Methodology & Biostatistics, Sharma Suresh, 1st Edition, Elsevier .
4. Research in Education, Best and Kahn, 11th Edition, Printice Hall Publishers.
5. Methodology of Educational Research, LokeshKoul, 5th Edition, VikasPublishing,
6. Research Methods in Education, Louis Cohen, 8th Edition, Taylor & Francis.

E- Resources:

1. <https://www.youtube.com/live/2hkt-LP1H8I?feature=share>
2. <https://www.youtube.com/live/LlDuRQVIK6Y?feature=share>
3. <https://youtu.be/GCRMf0cfc-E>
4. <https://youtu.be/7ipjerrKdBs>



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Part A: Introduction			
Program: M.A. (Home Science)		Semester: First	Year:2023 w.e.f:2023-2024
1	Course Code	HSCP101	
2	Course Title	LAB1: Food Science and Nutrition	
3	Course Type	Practical	
4	Pre-requisite(if any)	Theoretical knowledge of various textile fibers and technology of cloth construction.	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to.. <ul style="list-style-type: none">• To acquire skills in food preparation techniques.• To use appropriate method of cooking for preparation of specific food products.• To understand composition of various foods in concern of nutrients.• To understand the nutritional components of various foods.• To understand various methods of food processing to conserve the nutrients.	
6	Credit Value	04	
7	Total Marks	Max. Marks: 100	Min Passing Marks : 36

Part B: Content of the Course	
Total Lectures: 30	
Tentative Practical List	<p>Note: This is tentative list; the teacher concern can add more program as per Requirement.</p> <ol style="list-style-type: none">1. Weights and measures standard and household measures for raw and cooked food.2. Cereal and flour mixture- basic preparations (15+3).<ul style="list-style-type: none">- boiled rice and rice pulao- chapatiPuriparatha- sandwich- pastas- pancake biscuits cookies cake3. Pulses and legumes - using whole dehusked and sprouted.4. Vegetables preparation of simple salads, dry vegetables and curries5.Planning and preparation of normal and therapeutic diet in relation to special nutrient requirements<ul style="list-style-type: none">- infancy and childhood- Pregnancy and lactation- constipation and Diarrhea- underweight and overweight- peptic ulcer

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- jaundice, Viral hepatitis, cirrhosis
- Acute Glomerulonephritis
- chronic Glomerulonephritis
- Diabetes mellitus (with insulin without insulin)
- Hypertension, Atherosclerosis

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. Dietetics - B. Shrilaxmi ,8th edition, new age international publishers.
2. Human Nutrition and Dietetics- Passmore,8th edition, Livingstone Publishers.
3. Normal and Therapeutic Nutrition- Robinson,17th edition, Mac Millan publishing Company.
4. Food, Nutrition and Diet Therapy- Krause, 11th edition, Saunders Publishers.
5. Nutrition and Diet Therapy- Williams,4th edition, C.V.Mosby Co. Publishers.
6. Basic Food Preparation: A Complete Manual:Raina U, Kashyap S, Narula V, Thomas S Suvira, VirS, Chopra S, 4th Edition, Orient Black Swan Ltd, Mumbai.
7. Food Science and Nutrition :SunetraRoday , 4th Edition, Oxford University Press.
8. Indian Food Composition Tables:Longvah, T, Ananthan, R., Bhaskarachary, K., Venkaiah, K, 2017 Edition, (IFCT), Indian Council of Medical Research, National Institute of Nutrition, Hyderabad.

E- Resources:

1. https://www.google.com/search?q=disease+and+diet+of+cardiovascular+system&rlz=1C1JJTC_C_
2. <https://www.betterhealth.vic.gov.au/health/conditionsandtreatments/heart-disease-and-food>
3. https://www.google.com/search?q=diet+for+adultsandrlz=1C1JJTC_enIN950IN950anddq=diet+for+adultandaqs=chrome.
4. https://www.google.com/search?q=diet+for+diabetes+mellitusandrlz=1C1JJTC_enIN950IN950andsxsr=ALiCzsZFJ52m3efDHrTUHum0TTnrmp7Ctg
5. https://www.google.com/search?q=diet+for+atherosclerosisandrlz=1C1JJTC_enIN950IN950andsxsr=ALiCzsZ6XyYHi7Q:

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M.A. (Home Science) BOS Chairman/Member Name	Signature and Mob. No.
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3. Er. Yshawant Patel, UTD, ABVV, Bilaspur	
4. Smt. Rewa kulshrestha, UTD, ABVV, Bilaspur	
5. Prof. Veena Tiwari, Rani Durgawati University, Jabalpur (M.P.)	
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Part A: Introduction			
Program: M.A.(Home Science)		Semester: Second	Year: 2023 w.e.f: 2023-2024
1	Course Code	HSC-T201	
2	Course Title	Textile & Clothing Paper I	
3	Course Type	Theory	
4	Pre-requisite(if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• To develop and understanding of different types of fiber yarns and finishes.• To gain practical knowledge of Dyeing, printing and weaving.• To develop the skill of making paper pattern for different types of garments.• To understand the traditional methods of embroidery.• To understand the composition of new metallic fibers.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course		
Total No of Lecture: 60		
Unit	Topics	No of Lecture
1	Classification of textile fibers -Manufacturing process, properties and uses of - Natural fibers cotton, Silk, wool, synthetic fibers, polyester, nylon, Acetate, 2. Types of yarns - simple, Novelty, Textured yarn, yarn formation-mechanical and chemical spinning use of Yarns.	12
2	Knitting- Types of Knits- Wrap & weft knit advantages and disadvantages of knits their uses. Non- woven – Felts, Bonded fabric, their uses, Braiding	12
3	Finishes - purpose of finishes. General finishes- Scouring, bleaching, tentering, singing sizing. special finishes - mercerizing, special calendaring, waterproof and water repellent fire proof wrinkle resistant, shrinkage control.	12

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4	1. Dyeing- classification of Dyes. Natural and Synthetic. 2. Different types of their suitability to different fibers, direct, acid, basic mordant, vat Sulphur, reactive Acetate, Azo dyes and pigment colors. 3. Different Dyeing methods - Fiber Dyeing, yarn Dyeing and piece dyeing.	12
5	Principles of clothing construction: General principles of clothing construction. Drafting and making paper patterns. Taking body measurements for different types of garments. Preparation of fabrics for garments making. Laying out of patterns, cutting and marking.	12

Keywords:- Classification of fibers, Dyeing and printing , Clothing construction.

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference books:

1. वस्त्र विज्ञान एवं परिधान का परिचय-डॉ मंजु पाटनी, 3rd edition, star publication.
2. The complete Book of Fashion Illustration- Tate, S.L, 2nd edition, New York, Harper & Row Publication.
3. Fashion drawing: basic principles- Allen, Anne , 2nd edition, Batsford Ltd Publication.
4. Textile Science: an explanation of fiber properties: Gohl, E., Vile sky, L., 2 edition, New Age International Publishing.
5. वस्त्रविज्ञान एवं परिधान का परिचय: डॉ बी के बख्शी, 2nd Edition, Vinod Pustak Mandir.
6. वस्त्रविज्ञान-बृन्दा सिंह, 19th Edition, Panchsheel Publication.
7. तंतु एवं वस्त्र विज्ञान: डॉ शिप्रा बैनर्जी, 2018, Chhattisgarh Hindi Granth Academy publisher.
8. Fundamentals of Textiles and their care : Sushila Dhantiyagi, 5th Edition, Orient Black Swan.
9. Textile testing and analysis: Collier, B.J., and Epps, H.H. 1998 Edition, Prentice Hall Publishers.

E- Resources:

1. https://www.google.com/search?q=principles+of+design&rlz=1C1JJTC_enIN950IN50&oq=principle+of+des&aqs
2. <https://youtu.be/X3Wf0C0IfEU>
3. <https://youtu.be/0w1W7F84SZM>
4. https://www.google.com/search?q=Study+of+Yarn+and+https://www.youtube.com/results?search_query=Printing



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Part A: Introduction			
Program: M.A. (Home Science)		Semester: Second	Year: 2023 w.e.f: 2023-2024
1	Course Code	HSCT202	
2	Course Title	Textile Designing Paper -II	
3	Course Type	Theory	
4	Pre-requisite(if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will enable to: <ul style="list-style-type: none">• To understand the basic knowledge of design.• To understand the knowledge of fashion design.• To understand the knowledge of stitches and embroideries.• To understand the new techniques of fashion designing.• To understand use of modern technology for contemporary fashion.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course		
Total No of Lecture: 60		
Unit	Topics	No of Lecture
1	Experiment and principle of design: Meaning methods of creating importance Elements of principle of design as applied to apparel designing- harmony, balance, proportion, Rhythm and Emphasis. Elements line shape/forms Colour consideration: Definition, dimension characteristics colour system and colour scheme.	12
2	Classification and process of Designing- Structural, decorative realistic, Abstract, Stylized, Geometric, Traditional, Big and small design.	12
3	Fashion- Definition - Fashion trends in India and changes - Theories - Body measurements - Tailoring tools and equipments	12



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	<ul style="list-style-type: none">- Methods of taking body measurements- For different garments- Importance.	
4	<p>Fashion Illustration-</p> <ul style="list-style-type: none">- Pattern Making Techniques- Flat Pattern- Drafting- Draping- Disposable Of Fullness- Pockets- Frill and Gather- Plates and Tucks- Darts- Patch Work- Seams and seam finishes.	12
5	<p>Fundamentals of embroidery-</p> <ul style="list-style-type: none">- Techniques, design colour, uses of different combinations-threads.- Embroidery stitch - types- Types of threads, needle, used for different fabrics.- Study of traditional embroidery of India- Kasida of Kashmiri• Katha of Bengal• Chikankari of Lucknow• Kutch and party• Kasuti of Karnataka• Phulkari Punjab• Gold and silver (Zari work)• Appliquéwork.	12
Keywords: - Embroidery, Fashion Illustration, Classification of designing		

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Part C: Learning Resources

Text Books, Reference Books, Other Resources

Reference Books:

1. वस्त्रविज्ञान-वृन्दा सिंह Hindi edition, Panchsheel Publication.
2. वस्त्रविज्ञान एवं परिधान-डॉ. प्रमिला, Hindi edition, Bihar Hindi Garth publication.
3. वस्त्रविज्ञानके मूलसिद्धान्त-डॉ. जी.पी. शेरी, Hindi edition, Shri Vinod Pustak Mandir Publication
4. The complete Book of Fashion Illustration- Tate, S.L, 2nd edition, New York, Harper & Row Publication.
5. Fashion drawing: basic principles- Allen, Anne , 2nd edition, Bats ford Ltd Publication.
6. Textile Science: an explanation of fiber properties: Gohl, E., Vile sky, L., 2 edition, New Age International Publishing.
7. वस्त्रविज्ञान एवं परिधान का परिचय: डॉ. बी. के. बख्शी, 2nd Edition, Vinod Pustak Mandir.
8. वस्त्रविज्ञान-वृन्दा सिंह, 19th Edition, Panchsheel Publication.
9. तंतु एवं वस्त्रविज्ञान: डॉ. शिप्रा बैनर्जी, 2018, Chhattisgarh Hindi Granth Academy publisher.

E- Resources:

1. https://www.google.com/search?q=preparing+for+different+patterns+in+cloth&rlz=1C1JJTC_
2. <https://youtu.be/OWv6Ypzn9dg>
3. https://www.google.com/search?q=principles+of+design&rlz=1C1JJTC_enIN950IN50&oq=principle+of+des&aqs
4. <https://youtu.be/X3Wf0C0IfEU>
5. <https://youtu.be/0wlW7F84SZM>
6. https://www.google.com/search?q=Study+of+Yarn+and+https://www.youtube.com/results?search_query=Printing



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Part A: Introduction			
Program: M.A. (Home Science)		Semester: Second	Year: 2023
w.e.f: 2023-2024			
1	Course Code	HSC1203	
2	Course Title	Extension Education- II Paper- III	
3	Course Type	Theory	
4	Pre-requisite(if any)	Nil	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• To enable students, understand the methods of teaching home science• To acquaint the students about the role of extension-education in community development.• To create awareness about the role of NGOs in community development.• To create an awareness about the importance of public relations.• To understand the various programmes favoring the wellbeing of the community.• To develop faith in the capacity of the people to take responsibility for their own development.• To understand the role of "leaders" in community development.	
6	Credit Value	04	
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36

Part B: Content of the Course		
Total No of Lecture: 60		
Unit	Topics	No. of Lectures
1	<ol style="list-style-type: none">1. Definition, philosophy and objectives of Home science, career opportunities in various branches of home science.2. Methods of teaching home science, importance of methods.3. Selecting the methods and making the method effective. Role of homeScience in helping to solve the problem of the community.	12
2	<ol style="list-style-type: none">1. Definition, scope, philosophy and objectives of extension education. Methods of teaching extension – education, classification of the methods.2. Role of the extension worker in community development, role, function and contribution of Gram sevika, Mahila Mandals, youth clubs, NGOs and other local agencies in extension- education.3. Contribution of U.N. Agencies towards extension -education- UNESCO, UNICEF, UNDP, ECOSOC, U.N. resolution 1325.	12

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3	Public Relations 1. Need for public relations prospects of advertisements campaign and propaganda in effective communication. 2. Media for social changes: Role of media in social changes development communication, planning, organization, Administration and evaluation of development communication programmes. 3. New avenues for development communication, literacy, women and development, Human Rights, environment, Research and feedback.	12
4	1. Adult education its meaning and objective various adult education programmes in India. 2. Population education: Definition causes and effects of population growth scopes of family planning services health aspects of family planning, National Family Welfare programmes. 3. social education: its meaning and objectives social education programmes in India.	12
5	Leadership in extension: 1. Definition of leadership, need and importance, types of leadership. 2. Methods of identifying the selecting local leaders in extension work. Role and qualities of local leaders. 3. Leadership training.	12
Keywords: - Leadership, Social education, Public relations.		

Part C: Learning Resources

Text Books. Reference Books, Other Resources

Reference Books:

1. PrasarShiksha, Dr. Brinda Singh.
2. Home science extension education and rural development, SandhyaMohanty Rani.
3. Prasarshiksha, Dr.BrindaSingh,PanchsheelPrakashan.
4. Extension Education,Shruti, 2nd Edition, New Vishal'e Publisher,
5. Textbook of home science: Extension Education, Serene Shekhar, Prakesh Publications, Delhi.
6. PrasarShiksha and Sanchar, Dr Manu Patni, 4th Edition, Sanchar Publishers Agra.
7. Community organization and development – an Indian perspective: AshaRamagondaPatil, 1st Edition, PHI Learning.
8. Community organization and social work:SheebaJoshep, Vishnu Das, 2016 Edition, Discovery Publishing.

E- Resources:

1. <https://youtu.be/xc4tUE9y3>
2. <https://youtu.be/LyPCdnNhtvg>
3. https://youtu.be/7146T3_BVg8
4. <https://youtu.be/GRKopffBwF0>

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5. <https://youtu.be/LyPCdnNhtvg>
6. <https://youtu.be/-a8di83uK4M>
7. <https://youtu.be/UBnuZ0EsVIU>



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Part A: Introduction

Program:M.A. (Home Science)		Semester: Second	Year: 2023	Session: 2023-2024
1	Course Code	HSCT204		
2	Course Title	Statistics and Computer Application Paper -IV		
3	Course Type	Theory		
4	Pre-requisite(if any)	Nil		
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none">• To understand Basic Knowledge of Research.• To understand Basic knowledge of Computer application.• To understand Basic knowledge of statistics.• To understand the use of various tools for data analysis.• To understand the graphical presentation of data.		
6	Credit Value	04		
7	Total Marks	Internal Marks 20 External Marks 80	Min Passing Marks : 36	

Part B: Content of the Course

Total No of Lecture: 60

Unit	Topics	No of Lecture
1	1.Statistics:Meaning, definition, scope, importance, characteristic, distrust of the statistic. 2. Measurement of Central tendency: (a) mean (b) mode (c) median	12
2	Graphical representation of data: Importance, type <ul style="list-style-type: none">- histogram- frequency polygon- frequency curve- correlation:Definition, meaning and types.- Methods of determining coefficient of correlation-Rank correlation- Product moment method	12
3	Introduction to computers Characteristics, components of computer system, block diagram of computer, CPU, I/O devices and memory (RAM and ROM), secondary storage device (Hard disk, floppy disk, magnetic tape etc.)	12



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	Analysis of variance -One way method : Direct and shortcut.	
4	Computer generations Classification of computer: Analogue digital, hybrid, general and special purpose computers. Types of computer: Micro, Mini, mainframe and supercomputer Chi square test and goodness to fit Application of student T test for small samples.	12
5	Working with MS -Word: 1. Getting started with word, formatting text and paragraph. Applying text and language tools. Designing pages with columns and tables, using graphics. 2. Methods of dispersion and variation (a) Mean deviation (b) Standard deviation (c) Quartile deviation	12
Keywords:- Statistics, Graphic presentation, Computers, Computer generations.		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Reference Books:

1. Research Methods, statistics and computer Application, Abdul Matin, ABS Books Publisher.
2. Research methodology and applied statistics, DN Sansanwal Shipra Publication.
3. Research Methodology, Dr. Chandrakant Kokare, Nirali Prakasan.
4. Fundamental of Descriptive statistics, Zealure Holcomb, Routledge Publisher.
5. Computer fundamental: Pradeep K Sinha, 8th edition, BPB Publication.
6. Basic computer course: Changeriya, 3rd Edition, Chetan Prakashan.
7. Computer basic: Gourav Agrawal, 2nd Edition, Digital Munimji.

E- Resources:

1. <https://youtu.be/RALQYe9JEI>
2. <https://youtu.be/XsXO0ogPMxs>
3. <https://youtu.be/hSUonB51pbU>
4. <https://youtu.be/qfUZBKDh9BY>
5. https://www.youtube.com/results?search_query=MS+Word



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Part A: Introduction			
Program: M.A. (Home Science)		Semester : Second	Year: 2023
Session: 2023-2024			
1	Course Code	HSCP201	
2	Course Title	LAB2: TEXTILE AND CLOTHING	
3	Course Type	Practical	
4	Pre-requisite (if any)	Theoretical knowledge of Food Analysis	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to- <ul style="list-style-type: none">• To understand Basic Knowledge of stitching.• To understand Basic knowledge of traditional embroideries of India .• To understand Basic knowledge of Paper pattern.• To understand knowledge of fibers.• To understand the various chemical properties of different fibers.	
6	Credit Value	04	
7	Total Marks	Max. Marks: 100	Min Passing Marks : 36



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Part B: Content of the Course

Total Lectures: 30

Tentative Practical List

Note- This is tentative list; the teachers concern can add more programmes as per Requirement

1. Preparation of paper pattern for all age group.
 - (a) Creeping age
 - (b) Preschools
 - (c) For children wear
 - (d) For men's wear
 - (e) For ladies wear
2. Adoption of the basic block of various clothes and their stitchingsari –Blouses, salwar, chudidarkameez, petticoats, frock.
3. Making samples of traditional embroideries of India (any five)
 - a. Kashida of Kashmiri
 - b. Katha of Bengal
 - c. chikankari of Lucknow
 - d. Kutch Kathiawar
 - e. Phulkari of Punjab
 - f. Gold and silver (Zari work)
 - g. Kasuti of Karnataka
4. Free hand sketching of simple objects involving various shapes and forms.
5. Drawing designs for various textile articles by adopting principles of design.
6. Drawing and coloring a colour wheel.
7. Painting designs with different colour schemes.
8. Reducing & enlarging a design.
9. Creating various textures.
10. Identification of textile fibres
 - a. Visual, microscopic, burning and chemical
11. Garment construction
 - a. Drafting, cutting and stitching of simple garments, such as vest and bib. A- line dress and knickers. Sun suit / romper.

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Part C: Learning Resources

Text Books. Reference Books, Other Resources

Suggested Readings:

1. The complete Book of Fashion Illustration- Tate, S.L, 2nd edition, New York, Harper & Row Publication.
2. Fashion drawing: basic principles- Allen, Anne , 2nd edition, Batsford Ltd Publication.
- 3 .Fashion Illustration- Barnes Colin, 3rd edition, Little Brown Publication.
4. Fundamentals of Textiles and their care- SushilaDhantiyagi, 5th edition, Orient Blackswan Private publication.

E-Learning Resources:

1. <https://youtu.be/n0c2TY5JKI4>
2. <https://youtu.be/z9qSbcTdHuQ>
3. <https://youtu.be/fCByKmTQdT8>
4. <https://youtu.be/nM74Nft3c9s>

Am



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