BANASTHALI VIDYAPITH Department of Home Science

Minutes of the Board of Studies held on 24 April 2016 at 10: 30a.m. in the Department of Home Science, Gyan Mandir, Banasthali Vidyapith

Summary

Particulars	Detail	Pages
Confirmation of BOS Minutes 11 th March' 2012	Confirmed	
Panel of Examiner	Updated for theory and practical keeping in view the	Submitted in Soft
	Bye- Law of 15.3.0 2 of the Vidypaith	copy to secrecy
		section
Recommend course	minor changes in syllabus	
of study curricula /	I. B.A.	
Syllabus	Paper-2.1 Introduction to Human Development	
	Paper- 3.1 Nutrition in Health and Disease	
	Paper -4.2 Life Span Development	
	II. B.Sc.(Home Science) examination	
	HS4101 Introduction to Home Science	
	HS4104 Introduction to Human Development	
	HS4202 Elements of Food Science	
	HS4303 Introduction to Resource Management	
	HS4402 Communication Process	
	HS4504 Assessment of Nutritional Status	
	III. M.Sc. (Home Science Human Development)	
	HSHD5102 Research Methods in Human	
	Development	
	HSHD5103 Techniques of Studying Human	
	Development and Scientific Writings (theory and	
	practical)	

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HSHD 5104 Theories of Human Development
HSHD 5202 Early Childhood Care and Education
HSHD 5205 Contemporary Issues and Concerns in
Human Development (specified practical)
HSHD5302 Introduction to Guidance and
Counseling
HSHD5303 Curriculum for Early Years
HSHD5304 Child in the family
HSHD5403A Principles & Procedures in Guidance
and Counseling
HSHD5404A Guidance and Coping in Crisis
HSHD5403B Innovative Programmes & Curriculum
Planning for ECE Centers
M.Sc. (Home Science Food Science and
Nutrition)
HSFN5204 Problems in Human Nutrition
HSFN5302 Advanced Nutrition
HSFN 5303 Applied and Community Nutrition
HSFN5304 Nutrition in Specific Diseases and
Disorders
HSFN5402- Nutrition for Health and Fitness (New
Course)
M.Sc. (Home Science Clothing and Textile)
HSCT5304 Textile Merchandising (Th.)
HSCT5403 CAD in Textile and Garment Designing
Change in maximum marks for project in M. Sc.
(Home Science) IV semester HD/ FN/ CT from 180
to 90
Total 49 reports were received and evaluated
Board co-opted following external members

members	1. Dr .Sheela Sangwan , Professor (HDFS)	
	HAU, Hisar	
	2. Dr Mini Sheth, Associate Professor (Foods and	
	Nutrition)	
	The M. S. University of Baroda,	
	3. Anjali Karoliya, Professor (Clothing and Textile)	
	The M. S. University of Baroda,	
Any other Item	Identified Online learning resources for M.Sc.	
	Students	
	Proposal for an integrated M. Phil + Ph. D Home	
	Science Programme	

BANASTHALI VIDYAPITH

Department of Home Science

Minutes of the Board of Studies held on 24 April, 2016 at 10:30 am in the Department of Home Science, Gyan Mandir, Banasthali Vidyapith

PRESENT

Dr. Krishna Khambra External Members

Dr. Shanti Balda

Prof. Anuradha Goyle

Dr. Chandra Kumari Internal Members

Ms. Charu Panwar

Dr. Charu Vyas

Dr. Deepti Bhargava

Dr. Ekta Singh Chauhan

Dr. Gita Bisla

Dr. Monika Jain

Dr. Namrata Arora Charpe

Mrs. Navita Pareek

Dr. Neelam Chaturvedi

Ms. Parul Sharma

Dr. Parul Tripathi

Mrs. Parsansha Sharma

Mrs. Shalini Juneja

Prof. Sheel Sharma

Dr. Shivi Rastogi

Mrs. Shweta Dubey

Prof. Suman Pant

Dr. Suvidha

Ms. Ekta Sharma Special Invitee

Mrs. Namita Bhattnager

Ms. Prawla Pandey

Prof. Indu Bansal Convener (in the Chair)

Note: Prof. Sheel Sharma (Internal Members) could not attend the meeting.

Agenda Item No. 1 of the BOS: The board confirmed the minutes of the meeting of the board of study held on 11th March' 2012.

Agenda Item No. 2 of the BOS: Panel of Examiners for each examination up to and inclusive of Master's Degree Examination has been prepared in the prescribed format keeping in view the Vidyapith Bye-laws. It has been sent to secrecy section by the convener.

Agenda Item No. 3 of the BOS: To recommend courses of Study Curricula and scheme of examination for B.A., B.Sc. (Home Science), M.Sc.(Home Science-HD/CT/FN)

Board recommended courses of Study Curricula and scheme of examination for different courses as follows-

I. There is no change in scheme of examination for B.A. and B.Sc. (Home Science).

II. M.Sc. (Home Science) HD / FN/ CT students go for work experience / internship after second semester. They have to make presentations and submit report at the beginning of III Semester and given Grades A, B Or C (A-Excellent, B- Satisfactory, C-Poor) on the basis of presentation reports submitted by student and reports sent by appropriate authority after completing of internship. Board recommended that existing summer **training grades be replaced** by (A-Excellent, B-Good and C- Satisfactory) for poor grade sounds negative.

Board recommended change in evaluation scheme/ pattern of project work in M.Sc. (Home Science) IV semester (2017-18) onward examination in HD / FN/ CT. Accordingly scheme for IV Semester will be revised as follows –

				HUMA	AN DI	EVEVL	OPME	INT								HU	JMAN	I DEV	ELOPN	1ENT					
			CEN	/ECTE	> IV	(April	/N/av	, 2018)								SEI	MEST	ER IV	(201	7-18)					
			SEIV	/IE3 I EI	\ IV	(April	/ iviay	, 2010)						Paper Contact Dura	tionN	/lax.	Cont.	Asst.	Sem	.Asst.	Н	our	(Hi	rs.)	
	Paper	Cont	act	Dura	tion	M	ax.	Cont.							Mar	ks	Ma	rks	Ma	arks					
		Hou		(Hr			arks	Mar	-	Ma					т	Р	Т	Р	т	Р	Т	Р	Т	Р	
		Т	Р	Т	Р	Т	Р	Т	Р	Т	Р		1.	Parent & Community	v4	4	3	4	60	30	20	10	40	20	
1.	Parent & Commun Education	ity4	4	3	4	60	30	20	10	40	20			Education		4		3	_	60		20		40	
2.	Abnormal Psycholo	gv	4	_	3	_	60	_	20	_	40	-	2.	Abnormal Psycholog			-	3	-	60	-	20	-	40	
	One Specialization	· .												Any One Specializati		•	~								
-	up A: Guidance & Co	-											3.	Principles & Procedu			g -	3	_	60	_	20	_	40	
3.	Principles & Procedures in Guid & Counselling	4	'6 -	3	-	60	-	20	=	40	-		4.	in Guidance & Counselling Guidance & Coping		4	3	4	60	30	20	10	40	20	
4.	Guidance & Coping in Crisis (Practical common paper 3 & 4)		4	3	4	60	30	20	10	40	20		т.	in Crisis (Practical common for paper 3 & 4) Group B: Early Child	or			7		30	20	10	.0	20	
Gro	up B: Early Childhoo	d Educ	ation										3.	Innovative Programm		4	-	3	_	60	_	20		40	
3.	Innovative Progran & Curriculum Planr for ECE Centers	nmes	4	-	3	-	60	-	20	-	40	-	э.	& Curriculum Plannii for ECE Centers		4	-	3	-	00	-	20	-	40	
4.	ECE Centers Organization, Administration & Management (Practical common	4	4	3	4	60	30	20	10	40	20		4.	ECE Centers Organization, Administration & Management (Practi common for paper 3		4	3	4	60	30	20	10	40	20	
	for paper 3 & 4)												5.	Project Work	6	-	-	-	90	-	30	-	60	-	
5.	Project Work/Disse	ertation	12	_	_	_	90	_	30	_	120	-		Total 2	22	8			330	60	110	20	220	40	
	Total	28	8			420	60	140	20	280	40														
								RITION								FOOD	SCIE	NCE A	AND N	UTRIT	ION				
							-	, 2018)								SEI	MEST	ER IV	(201	7-18)					
	Paper	Cont		Dura			ax.	Cont.						Paper	Cont		Dura			ax.			Sem.		
		Hou		(Hr			arks	Mar		Ma					Ηοι		(Hr			arks		ırks	Ma	rks	
		Т	P	Т	Р	Т	Р	Т	Р	Т	Р				Т	Р	T	Р	Т	Р	Т	P	Т	P	
1.	Techniques and Instrumentation ir Nutrition Research	4 1	-	3	-	60	-	20	-	40	-		1.	Instrumentation in Nutrition Research	4	-	3	-	60	-	20	-	40	-	
2.	Nutrition for Healtl & Physical Fitness,	n 4	4	3	4	60	30	20	10	40	20		2.	Nutrition for Health Fitness, Common pra		4 I	4	3	4	60	30	20	10	40	

	Total	28	8			420	60	140	20	280	40	
5.	Project work	12	-	-	-	180	-	60	-	120	-	
	Common practica	al for pa	pers 3	& 4								
	Care											
4.	Nutrition and Crit	tical4	4	3	4	60	30	20	10	40	20	
	and Dietetics											
3.	Clinical Nutrition	4	-	3	-	60	-	20	-	40	-	
The	rapeutic Nutrition											
	(ii) Specialisation	ıII:										
	for papers 3 & 4											
	Common practica	al										
	and Quality Cont	rol										
	Develo	opment	Safety									
4.	Food Product	4	4	3	4	60	30	20	10	40	20	
	Technology											
3.	Food Processing	and4	-	3	-	60	-	20	-	40	-	
	Food Processing											
	(i) Specialisation	l:										
	Common practica	al for pa	pers 1	& 2								

CLOTHING AND TEXTILE

SEMESTER IV (April/May, 2018)

	Paper		Cor	ntact	D	uratio	n	Max.	Cor	nt.Asst.	Sem.Asst.
		Ho	ur	(Hr	s.)	Ma	rks	Mar	ks	Mar	ks
		Т	Р	Т	Р	T	Р	Т	Р	Т	P
1.	Textile Finishes	4	4	3	4	60	30	20	10	40	20
2.	Commercial Clothir	ng4	8	3	4	60	60	20	20	40	40
3.	CAD in Textile and	2	8	3	4	30	60	10	20	20	40
	Garment Designing										
4.	Project Work	12	-	-	-	180	-	60	-	120	-
	Total	22	20			330	150	110	50	220	100

Grand Total (For all the Semesters) (390+390+390+390) = 1650

Project evaluation scheme

Students will take Project on a suitable problem related to their respective field of specialization. Project will commence in the second semester and will be completed in the fourth semester. The project report

	Total	22	8			330	60	110	20	220	40	
5.	Project Work	6	-	-	-	90	-	30	-	60	-	
	practical for pap 3 & 4	ers										
	Care Common											
4.	Dietetics Nutrition and Cr	itical4	4	3	4	60	30	20	10	40	20	
3.	Clinical Nutrition	n and4	-	3	-	60	-	20	-	40	-	
	Thrapeutic		1									
	(ii) Specialisati											
	practical for pap	ers 3 & 4										
	Quality Control,	Commor	ı									
	Develo	pment Sa	fety a	nd								
4.	Food Product	4	4	3	4	60	30	20	10	40	20	
	Technology											
3.	Food Processing	and4	-	3	-	60	-	20	-	40	-	
	Food Process	sing										
	(i) Specialisatio	n I:										
	for papers 1 & 2											

CLOTHING AND TEXTILE

SEMESTER IV (April/May, 2017-18)

	Paper		Con	tact	Dura	tion M	lax.	Cont.	Asst.	Sem.	Asst.	
		Н	our	(H	rs.)	Ma	arks	Ma	arks	Ma	rks	
		Т	Р	Т	Р	Т	Р	T	Р	T	Р	
1.	Textile Finishes	4	4	3	4	60	30	20	10	40	20	
2.	Commercial Clothin	ng4	8	3	4	60	60	20	20	40	40	
3.	CAD in Textile and	2	8	3	4	30	60	10	20	20	40	
	Garment Designing	5										
4.	Project Work	6	-	-	-	90	-	30	-	60	-	
	Total	16	20			240	150	80	50	160	100	

Grand Total (For all the Semesters) (390+390+390+390) = 1560

Project evaluation scheme

Students will take Project on a suitable problem related to their respective field of

shall be type written and submitted in triplicate so as to reach the office of the Secretary at least three weeks before the commencement of theory examination. The project report shall be of 180 marks.

The distribution of marks will be as under -

Total Marks - 180

(i) *Continuous assessment - 60 marks

(ii) **Final presentation seminar - 30 marks

(iii) ***Viva-voce (external) - 30 marks

(iv) ****Report - Evaluation (Internal) - 60 marks

Continuous assessment will include

(i) Synopsis presentation in II semester - 20 marks

(ii) Mid-term Seminar in II semester - 20 marks

(iii) Progress report - 20 marks

by concerned supervisor based on timely submission, regularity and punctuality of work.

**** Project seminar in IV semester which will be evaluated by all the staff members of specialized course and compiled by Head of Department.

**** Project-viva will be conducted by an external examiner, an internal examiner and vicechancellor's nominee.

**** Project report will be evaluated by three member committee chaired by the Head and having two other internal members.

specialization. Project will commence in the second semester and will be completed in the fourth semester. The project report shall be type written and submitted in triplicate so as to reach the office of the Secretary at least three weeks before the commencement of theory examination. The project report shall be of 90 marks.

The distribution of marks will be as under -

Total Marks -90

*Continuous assessment - <u>30</u> marks

(ii) **Viva-voce (external) - 30 marks

(iv) ***Report - Evaluation (Internal) - **30 marks**

* Continuous assessment will include

(i) Synopsis presentation in II semester - **10** marks

(ii) Progress seminar in III semester - 10 marks

(iii) Final project seminar in IV semester - 10 marks

Project seminar in IV semester which will be evaluated by all the staff members of specialized course and compiled by Head of Department.

** Project-viva will be conducted by an external examiner, an internal examiner and vice-chancellor's nominee.

*** Project report will be evaluated by three member committee chaired by the Head and having two other internal members.

III There are minor changes/ modifications / reorganization in syllabuses of the following courses

*B.A. examination-

Paper-2.1 Introduction to Human Development Unit 1 and 2 be reorganized to make it concise and appropriate. Unit 3-5 no change.

Paper- 3.1 Nutrition in Health and Disease

Unit I – be revised and rewritten to make it more specific

Unit 2,3 and 4 no change. Unit 5 basic over view management be rewritten as **Definition** causes symptoms & dietary management in -

Paper -4.2 Life Span Development

be reorganized to make more relevant and avoid repetitions

*See APPENDIX 1 for above mentioned changes

** B.Sc.(Home Science) examination

HS4101 Introduction to Home Science

Existing syllabus be revised and reorganized in four units and unit five on Entrepreneurship development in home science has been added to make this paper more appropriate and vocation oriented.

** HS4104 Introduction to Human Development

Unit I be rewritten as

Orientation to Human Development

- (a) Concept, scope and significance of human development
- (b) Human Development as multi disciplinary science
- (c) Objectives of studying children, Major approaches and methods of child study.

Unit 2-5 no change

HS4202 Elements of Food Science

Unit II 3. Delete word structure

Delete 4 Barley - composition, structure, milling

5 and 6 be renumbered as 4&5

Unit III 5 word structure and composition be replace with <u>nutrition aspect</u>

Unit V 3 delete words production, processing since it is beyond the scope of this paper

HS4303 Introduction to Resource Management (Th.)

Be reorganized and rewritten

HS4402 Communication Process (Th.)

Be reorganized and rewritten

HS4504 Assessment of Nutritional Status (Th.)

Unit III last line Evaluation of indices - Gomez, Waterlow and IAP

be replaced by Evaluation of indices- WHO classifications

Practical: -

Add 4. Growth chart

** See APPENDIX 2

*** M.Sc. (Home Science) Examination-

Human Development -

HSHD5102 Research Methods in Human Development

Section A add case study

Section B **delete** 'Outlining a research proposal (Introduction, review of literature, significance of study, operational definition of terms and concepts, delimitations of study, basic assumptions/hypothesis, sampling, tool and procedure of collecting data, bibliography, time and budget schedule. (Shifted to paper HSHD 5103)

Section C Add word sources of before primary

Delete Methods and devices of data collection:

(a) Survey, Observation, Interview, Questionnaire, Case study, Check list, Rating scale, Field studies.

Delete Writing for publication (Shifted to paper HSHD 5103)

HSHD5103 Techniques of Studying Human Development and Scientific Writings

Syllabus for theory and practical be reorganized to make it more specific

Add references 4 -8

HSHD5104 Theories of Human Development

Section A **delete** 5 Clinically based Neo analytical theories.

- (i) Erich Fromm the Escape from freedom.
- (ii) Harry Sullivan- The interpersonal theory of Psychiatry since these theories are of not much importance in present context.

Renumber 5

(iii) Psycho – Social theory of Erick H. Erickson. As 5

Section C add Kohlberg -theory of moral development

HSHD5202 Early Childhood Care and Education - Reorganized to make it more specific

HSHD52045 Contemporary Issues and Concerns in Human Development (Practical) syllabus has been added

Since, the students are expected to get acquainted with various contemporary issues of the society, practicals related to collection of literature, preparation of monographs, writing articles, planning strategies for reduction or alleviation of problems of burning issues will be conducted.

HSHD5302 Introduction to Guidance and Counseling - Section B and C be reorganized to make it more specific and balanced

HSHD5303 Curriculum for Early Years - reorganized to make it more relevant

HSHD5304 Child in the Family Section A **delete** ecological and sociological factors affecting the interpersonal relationships.

Section B **delete** critical analysis of contemporary theories in family and status of children.

HSHD5403A Principles & Procedures in Guidance and Counseling

Section A delete - Cognitive - Behavioral

HSHD5404A Guidance and Coping in Crisis - reorganized

HSHD5403B Innovative Programmes & Curriculum Planning for ECE Centers Section B and C and references be reorganized

Food Science and Nutrition -

HSFN5204 Problems in Human Nutrition

Section C be revised and rewritten

HSFN5302 Advanced Nutrition

Section A (iii) be rewritten as (iii) Evaluation of protein quality :In vitro evaluation- Chemical score, Protein digestibility coefficient, PDCAAS

In vivo evaluation- Biological value (BV), Net protein utilization (NPU), Protein efficiency ratio (PER), NDP caloric percent.

Section B (ii) **add** Estimation of Energy, Protein, Fat, Iron, Calcium, vitamin A and vitamin C requirements.

HSFN 5303 Applied and Community Nutrition

Section B 5 *be rewritten as* Operations research – Definition and its application in nutrition programme management .

An overview of response surface methodology (RSM) as a technique of process optimization .

HSFN5304 Nutrition in Specific Diseases and Disorders - be reorganized

HSFN5402 Nutrition for Health and Physical Fitness

Section B and C be reorganized

Practical (Techniques and Instrumentation in Nutrition Research & Nutrition for Health and Physical Fitness) (Common for Paper 1 & Paper 2)

Delete Exercise 6

Exercise 7 be renumbered as 6

Clothing and Textiles-

HSCT5304 Textile Merchandising (Th.)

Section A existing be numbered as 1

Add 2 Policies for import and export market, Organizations for promoting export in textile and garment industries

HSCT5403 CAD in Textile and Garment Designing be reorganized

*** See APPENDIX 3

These changes be made applicable from session 2016-17 onwards

Agenda Item No. 4 Total 49 reports were received. Answers of most of the question papers (80%) were found average / satisfactory, some were rated good to very good (10%). Few were diffused and vague. Two examiners reported performance as unsatisfactory.

They should read more books and do in-depth study. 2-3 examiners stated need for improvement of expression as well as precise and to the point answers. Students should put correct question number Answers should be supported with illustrations and diagrams where ever necessary.

Agenda Item No. 5 To evaluate the question papers:

Board reviewed the question papers for annual examination and observed that standard of question papers is satisfactory and not deteriorated. In 5% papers, either some parts of the questions were out of syllabus or there was unit jumping.

Agenda Item No .6 to co-opt external members of the BOS

Board co-opted following external members of the board of studies for term of three years commencing from 1st January 2017

1. Dr .Sheela Sangwan , Professor (HDFS)

College of Home Science

HAU, Hisar

2. Dr Mini Sheth, Associate Professor (Foods and Nutrition)

Faculty of Family and Community Science

The M. S. University of Baroda,

Vadodara

3. Anjali Karoliya, Professor (Clothing and Textile)

Faculty of Family and Community Science

The M. S. University of Baroda,

Vadodara

Agenda Item No. 7 Any other Items

I. In view of discussion with honourable vice chancellor during presentation at session beginning, the following online learning resources have been shortlisted and proposed for addition in the M.Sc. (H.Sc.) curriculum-

Food Science and Nutrition

Lectures of renowned scientists and nutritionists (videos)

i.<u>https://www.nestlenutritioninstitute.org/country/in/resources/Conference/Pages/OnlineConferences.aspx</u>

Online demonstration of cooking techniques

ii http://www.bbc.co.uk/food/

Application tools in nutrition survey and nutritional anthropometry

iii http://www.who.int/growthref/tools/en/

Essentials of clinical nutrition

iv http://www.bapen.org.uk/bapenlearning/vle/doctors.php

Clothing and Textile

Fashion illustration

v http://www.fashionillustrationtribe.com/

Human Development

Early Childhood Education (Early Education and Care in Inclusive Settings; Cognition and Learning in Educational Setting)

vi http://academicearth.org/early-childhood-education/

II Board proposed an integrated M. Phil + Ph. D M. Phil Home Science Programme to cater to the needs of students interested in taking up Home Science research be offered to continuing as well as new students. Details of the programme are as under -

Proposed Programme

<u>Programme Name</u>: M. Phil Home Science (Clothing and Textile / Human Development / Food Science and Nutrition / Resource Management /Extension Education)

<u>Introduction</u>: M. Phil Home Science Programme will be offered to continuing as well as new students. The programme will be designed to cater to the needs of students interested in taking up Home Science research. An integrated M. Phil + Ph. D. is being proposed .The students who opt out after III semesters will get M. Phil degree, provided they complete required credits, and those continue with the research can get enrolled for Ph.D. after completion of III semesters.

<u>Admission Requirement:</u> The minimum entry requirement for M. Phil Home Science will be Master's Degree in any of the following discipline with at least 2nd division

Food and Nutrition , Food Technology, Human Nutrition and Dietetics, Food Biotechnology,

Biotechnology, Biochemistry, Public Health, Human Development, Psychology, Anthropology,

 $Clothing\ and\ Textile, Textile\ Chemistry,\ Fashion\ Design/Technology,\ Extension\ Education\ ,$

Agriculture, Horticulture, Resource Management, Hospital Management

<u>Selection Process</u>: Merit

<u>Duration</u>: M Phil – 3 Semesters

M.Phil + Ph.D

<u>Significance</u> – The ratio of students interested in Ph.D. and the number that can be accomadated in Ph.D. is speared. M. Phil will be a promising programme to retain all those students who are currently being denied admission in Ph.D.

M. Phil Home Science (Proposal)

Semester - I

Group A:				
1. Research Methodology	4	20	40	60
2. Statistics & Computer Application	4	20	40	60
Group B				

3. Specialization course I *	4	20	40	60
4. 3. Specialization course II*	4	20	40	60
		Aggrega	ite Marks	240

Semester II

1. Specialization Course – III*	4	20	40	60
2. Review of Researches consisting of the	4	20	40	60
following components				
a) Critical Evaluation of two original papers in				
the relevant				
b) Preparation of two Review paper related to				
dissertation Topic as part of literature review				
in area of study)				
c) Research report of the work of the candidate				
so far including pilot study & time plan for				
further work				
3. Recent Trends in Specialization course	4	20	40	60
4. Reading Elective and term paper*	4	20	40	60
		Aggrega	ate Marks	240
Semester III				
1. Dissertation (spread over II and III				180
semesters				
2. Reading Elective and term paper				60
		Aggrega	ate Marks	240
Grand Total All Three Semester 240+240+240				720

Dissertation:

Phase -I Selection of topic to be defended before the faculty members of the concerned specialization $-10\,\mathrm{Marks}$

Phase – II Presentation of synopsis before faculty members -- 20 Marks

Phase – III Progress Report 20 Marks

Phase IV (Before commencement of final semester examination)

Submission and internal Viva – Voce - 40 Mark

Phase – V (After Submission)

Dissertation to be sent for internal evaluation -90 marks

* These course will be identified by the faculty subjected to approval of the course by academic council

Example of selected Specialization courses / reading elective for Human Development

- ➤ Adulthood dynamics
- Advances in family studies
- Ecology and Human Development
- Qualitative research methods
- Programme development for vulnerable families
- > Cross-cultural perspectives in family studies
- ➤ Gender issues in human development and family relations
- Diversity, Disadvantage and inclusion for empowerment
- Literature, media and children
- Education for Human Development
- Modernization for social change
- Social entrepreneurship for Human Development
- Organization and management of programme for children and families
- Communication
- Appraisal of child and family welfare institutions
- Development of learning material and children's literature

Meeting ended with vote of thanks to the chair.

APPENDIX 1

Existing	syllabus	Proposed syllabus	Remark
Unit 1 (a) (b) (c) (d) (e) study. Unit 2 (a) (b) (c) heredi chrompheno providedetern (d)	Introduction to Human Development Human Development: An Overview What is Human Development? Why do we need to study it? Human Development as multi disciplinary science Scope of Human Development Objectives of studying children, Major approaches and methods of child	B.A Home Science Paper-2.1 Introduction to Human Development Unit 1 Orientation to Human development (a) Concept, scope & significance of Human Development (b) Human Development as multi disciplinary Science (c) Methods of child study Unit -2 (a) Understanding growth and development (b) General principles of Development (c) Maturation and learning with reference to Gessell's maturational point of view and Watson and Skinner's behaviorist point of view Unit -3, 4 and 5 no change	Reorganized to make it concise and appropriate.
Unit 1 1. Nutrit 2. Role ← 3. Consid 4. Anima 5. Malnu	Nutrition in Health and Disease tion and Health – its relationship of energy, protein and micronutrients in growth and development. iderations in fat intake—quantity and quality. ial and plant proteins, mutual supplementation, protein quality. utrition – Under and over nutrition, its relationship with nutrient intake amental aspects)	Paper- 3.1 Nutrition in Health and Disease Unit 1 1. Nutrition and Health – its relationship 2. Role of Nutrients in Health: Protein, Fat, Carbohydrate, Iron, Calcium, Sodium, Iodine & Potassium 3. Role of Nutrients in Disease conditions (PEM, obesity, Anemia, Diabetes Mellitus, Hypertension, Goitre Osteoporosis/ osteomalacia 4. Animal and plant proteins, mutual supplementation, protein quality. 5. Malnutrition – Under and over nutrition, its relationship with nutrient intake (fundamental aspects)	Revised and rewritten to make it more specific
Basic	overview of dietary management in - 's (Acute, Chronic) hoea	Unit 5 Basic overview of definition, causes symptoms & dietary Management in	

4. O 5. D	onstipation besity piabetes Mellitus (ypertension	 Diarrh Consti Obesit Diabet 	pation	
Paper -4.2 Life	Span Development	Paper -4.2 Life	Span Development	reorganized to make more
UNIT 1(a)	Prenatal Development: 1. Stages of Prenatal Development. 2. Birth process 3. Influences of genetic and environmental factors. 4. Types of delivery 5. Factors affecting and complications during Pregnancy. 6. Hazards during prenatal development. Infancy: 1. Definition, developmental tasks and milestones. 2. Physical, motor, emotional, social, language and cognitive development during infancy. 3. Hazards during infancy.	UNIT 1(a)	Prenatal Development: 1. Stages of Prenatal Development 2. Birth process 3. Influences of genetic and environmental factors. 4. Types of delivery 5. Factors affecting and complications during Pregnancy. Infancy: 1. Developmental tasks 2. Physical, motor, and language development during infancy, common emotions in infancy	relevant, avoid repetitions and of appropriate length emphasizing important development of each stage
UNIT 2 Early	childhood:	UNIT 2 Early	childhood :	
1.	Definitions, developmental tasks, characteristics.	1.	Developmental tasks.	
2.	Physical, motor , cognitive , social, language and emotional development during early childhood.	2.	Physical, motor, social and language development during early childhood.	
	- Role of Pre-school education.	3.	Role of Pre-school education.	
-	Importance of play and creative activities during childhood	4.	Importance of play and creative activities during childhood	
-	Hazards during early childhood.			
UNIT 3 Midd	le childhood years :			
1.	Definition , developmental tasks.	UNIT 3 Midd	e childhood years :	
2.	Physical, motor, social, eognitive and emotional development during middle childhood.	1. 2.	Developmental tasks. Social development during middle childhood.	
3.	Role of parents, peers and siblings	3.	Role of parents, peers and siblings	
4.	Importance of schooling.	4.	Importance of schooling.	

UNIT 4 Adolescence Age :

- 1. Definition, development tasks.
- 2. Concept of puberty, growth spurt
- Physical, motor, social, cognitive and emotional development during adolescence.
- 4. Hazards and problems during adolescence.

UNIT 5 Adulthood & Old Age:

- 1. Physical, social, emotional and psychological changes during adulthood.
- Old Age: Physical, social, emotional, psychological changes and adjustments in old age.

UNIT 4 Adolescence:

- 1. Developmental tasks.
- 2. Concept of puberty and growth spurt
- 3. Social and emotional development during adolescence.

UNIT 5 Adulthood & Old Age:

1.Developmental Tasks

- 2. Physical and psychological changes during adulthood.
- 3. Adjustment problems s in old age.

APPENDIX 2

	Existing syllabus	Proposed syllabus	Remark
	HS4101 Introduction to Home Science	HS4101 Introduction to Home Science	Existing syllabus be revised and reorganized in
Unit-II	 (i) Definition, Philosophy and objectives of Home Science (ii) Historical development of the field of Home Science in India (in brief) (iii) Scope of Home Science - Educational and Vocational (iv) Integration of Home Science with population education, environmental education, women empowerment and its role in community development Home Science Curriculum and Courses (i) Foundation Courses: Importance and their relationship with Home Science (ii) Supportive Courses: Importance and their relationship with Home Science (Physics, Chemistry, Biology, Education, Agriculture, Dairy Science, Philosophy and Computer Application.) (iii) Disciplinary Courses: Five Major Areas - basic concepts, principles, courses and significance Home Science: as it relates to Sociology 	Unit-I Definition, Philosophy and objectives of Home Science Historical development of the field of Home Science in India (in brief) Role of Home Science for empowering women (through enhancing communication skills, presentation skills, personal skills and preparation for placement). Scope of Home Science - Educational and Vocational Unit -II Foundation Courses: Importance and their relationship with Home Science Supportive Courses: Importance and their relationship with Home Science	four units and unit five on Entrepreneurship development in home science has been added to make this paper more appropriate and vocation oriented.
Cint-III	 (i) Definition and Scope (ii) Sociological concepts - Society, individual and their relations, society and culture, primary and secondary groups. (iii) Economic and Political Institutions (iv) Social Change 	(Physics, Chemistry, Biology, Education, Agriculture, Dairy Science, Philosophy and Computer Application). Disciplinary Courses: Five Major Areas- basic concepts, courses and significance Unit-III Social Sciences and Home Science Basic concepts of Sociology - Society, culture, primary and secondary	
Unit-IV	(i) Definition and scope (ii) Market-Definition and classification, price determination-Concepts of utility, consumption, demand and supply (iii) Laws of utility, laws of consumption, laws of demand and supply	groups, Social Change Basic concepts of economics- goods, utility, price, wealth, demand and supply Laws of utility, laws of demand and supply Market-Definition and classification	
Unit-V	Home Science: as it relates to Psychology (i) Definition and scope (ii) Areas of Psychology (Developmental, Experimental, Comparative, Clinical, Social, Abnormal and Educational) (iii) Psychological Needs and its significance ces:	Unit –IV Psychology and Home Science Definition and scope of Psychology , Areas of Psychology (Developmental, Experimental, Comparative, Clinical, Social, Abnormal and Educational) Psychological Needs Learning-Meaning and Importance of learning theories Memory, Sensation, perception, Thinking. (in brief) Unit-V Entrepreneurship Development and Home Science	

		Concept, definition and significance Entrepreneur—characteristics, challenges faced by Women Entrepreneur Formalities in Enterprise Setting— a. Preparation of project proposals b. Availing of licences, quotas, finance, subsidies c. Insurance, security, guarantee d. Registration References: 9. Bansal Indu & Kumari Chandra, (2010): Home Science: An Introduction, Navjeevan publication, Newai 10. Jain, D. Women's Employment, Possibilities of Relevant Research Institute of Social Studies, 1980 11. Gundry Lisa K. & Kickul Jill R., 2007, Entrepreneurship Strategy: Changing Patterns in New Venture Creation, Growth and Reinvention, SAGE Publications, Inc.	Some more reference added
Unit-I	4104 Introduction to Human Development a) What is Human Development? b) Why do we need to study it? c) Human Development as multi disciplinary science d) Scope of Human Development e) Objectives of studying children, Major approaches and methods of child study.	(d) Objectives of studying children, Major approaches and methods of child study. Unit - II to V - No change	Unit I be rewritten as Orientation to Human Development (a) Concept, scope and significance of human development (b) Human Development as multi disciplinary science (c) Objectives of studying children, Major approaches and methods of child study. Unit 2-5 no change
	4202 Elements of Food Science it II	HS4202 Elements of Food Science Unit II 1. Cereals - general composition and structure 2. wheat - composition, structure, milling, gelatinization, 3. Rice - composition, parboiling 4. Starch - granular structure, gelatinization, dextrinization, gel formation, retrogradation 5. Sugar - types, manufacturing process of white and refined sugar, effects of heat on sugar, crystallization and	Unit II 3. Delete word structure Delete 4 Barley - composition, structure, milling 5 and 6 be renumbered as 4&5 Unit III 5 word structure

τ	(nit III 1. Milk - Composition, processing pasteurization, homogenization,		caramelization	and composition be replace	
	sterilization, types of milk.	Unit III 1.	Milk - Composition, processing pasteurization,	with nutrition aspect	
	2. Milk products - Manufacturing and composition of cheese, milk powder,		homogenization, sterilization, types of milk.		
	cream, butter ghee, yoghurt.	2.	Milk products - Manufacturing and composition of cheese,		
	3. Pulses and legumes- composition, processing, anti nutritional, factors		milk powder, cream, butter ghee, yoghurt.		
	affecting cooking quality.	3.	Pulses and legumes- composition, processing, anti		
	4. Egg structure, composition, quality, coagulation and denaturation of		nutritional, factors affecting cooking quality.		
	egg protein, uses in cooking.	4.	Egg structure, composition, quality, coagulation and		
	5. Meat, fish and poultry - structure and composition, post mortem changes		denaturation of egg protein, uses in cooking.		
	in meat.	5.	Meat, fish and poultry - nutrition aspect, post mortem		
	(nit IV 1. Vegetables and fruits - general composition, processing, enzymatic browning, pectic substances, nutritional aspects of raw and processed products.		changes in meat.		
	2. Food adjuncts - spices, condiments, herbs, extracts, concentrates,	Unit IV 1.	Vegetables and fruits - composition and nutrient content		
	essence.		processin, enzymatic browning, pectic substances,		
	3. Salt - types and uses.		processed products.		
т	(nit V 1. Convenience food - role, types, advantages, contribution to	2.	Food adjuncts - spices, condiments, herbs, extracts,		
	diet		concentrates, essence.		
	2. Leavening agents - biological chemical constituent's used in cooking	3.	Salt - types and uses.		
	and bakery.	Unit V 1.	Convenience food - role, types, advantages, contribution to		
	3. Beverages - tea, coffee, cocoa, production, processing. Nutritional		diet		
	aspects.	2.	Leavening agents - biological chemical constituent's used in		
			cooking and bakery.		
		3.	Beverages - tea, coffee, cocoa : Nutritional aspects.		_
l E	IS4303 Introduction to Resource Management (Th.)	HS430	3 Introduction to Resource Management (Th.)	Be reorganized and	
Unit-I	Management		: Management	rewritten	
1.	Definition, concept, importance		nagement: Concept and Importance		
2.	Systems approach to management		tems Approach to Management		
3.	Introduction to family resource management as a system	3. Fam	nily Resource Management as a system		
4.	Levels of Management	***	DI 11 1 CA 6		
5.	Schools of management – scientific method, classical organization, behavioral		Philosophy of Management		
	schools		esources- Meaning, Importance, Types and Characteristics duidelines to increase utility of Resources		
Unit-II	Process of management		hilosophy of Management		
1.	Planning- the planning system, dimensions of plan, affective and cognitive domain		- Origin and Classification		
	in planning		- Origin and Classification - Characteristics and Types		
2.	Controlling – checking (tote), adjusting, facilitating, energizing, coordinating		ards- Characteristics and Types		
3.	Evaluation - types, feedback		II: Approaches to Management		
4.	Management abilities – technical, conceptual and human		s of Management		
Unit- III F		Scientific			
1.	Importance, types and characteristics		Organization Theory		
2.	Obstacles to the improvement of resource management - lack of awareness of	Behaviora			
2.	resources and management, failure to evaluate results, seeking readymade answers,	Behaviora			
2.	•	Behaviora	al School		

4. 1. 2. 3. 4. 5. 6. Unit-V 1. 2. 3. Reference 5.	Guidelines to increase satisfaction from resources Jnit-IV Decision Making Definition and concept of decision making Types of decisions Steps in decision making Decision linkages — chain, series, radial Decision tree Cost benefit analysis Factors Motivating Management Values — sources, classification Goals — types, characteristics Standards — types, characteristics es: Daecon, R.E., Firebaugh, F.M. (1975): Contest and concepts of Management Houghtion Miffin Company, USA Vangundy, A.B. (1981): Techniques of structured problem solveing Van Nostrand Reinhold Company	1. Planning- The Planning System, Dimensions of Plans 2. Controlling- Energizing, Facilitating, Checking, Adjusting 3. Evaluation- Types, Feedback Unit V: Decision Making- Process & Techniques 1. Definition and Concept of Decision Making 2. Tools and Techniques for Decision Making 3. Steps in Decision Making Process 4. Classification of Decisions 5. Decision Tree and Cost Benefit Analysis References: 7. Luthans, F. (1998) Organizational Behavior, VIII Ed. Irwin McGraw Hill 8. Robbins, SP., Judge T., Sanghi, S. (2009) Organization Behavior, II Ed., Pearson Prentice Hall 9. Armstrong M. (2010) A Handbook of Management Techniques, Revised III Ed. Kogan Page 10. Robbins, S.P., Decenzo D.A., Bhattacharya, S. Agarwal, M.N. (2009) Fundamentals of Management, VI Ed. Pearson Prentice Hall		
1	HS4402 Communication Process (Th.)	HS4402 Communication Process (Th.)	Be reorganized	and
ı	Unit-I Concept of communication 1. Meaning and importance of communication 2. The purpose of communication 3. Types of communication 4. Factors affecting / helping communication Unit-II Communication process 1. One way, two way or interactive communication. 2. Gaps in Communication and their causes. 3. Importance of two way communication. 4. Basis of Interactive communication. 5. Information dissemination, education & propaganda – distinctions. Unit-III Methods of communication to reach individual 1. Individual Methods – interviews, home visits 2. Group Methods – lecture, group discussions, stimulations, trust-building in groups, role plays, demonstrations, work – shops, camps.	Unit-I Concept of communication Meaning and importance of communication, key elements of communication with special reference of Leganes model, The purpose of communication, Factors affecting / helping communication. Unit-II Communication process Types of communication - One way, two way or interactive communication, verbal and non verbal, intrapersonal and inter personal, formal and informal. Importance of two way communication Gaps in Communication and their causes, Unit-III Approaches of communication Selection and effective use of following methods and materials Individual – Home / farm visits, telephone calls, personal letters.	rewritten	

4. Tele Printers 5. Inter Net 6. Fax 7. E-mail 8. E-booth 9. Cyber Café Unit-V Media for communication 1. Folk Media: songs, stories, Street theater, puppet play, phad, karvad. 2. Print media: posters, charts, leaflets, books, articles/stories, cartoons 3. Audio visuals: audio tapes, radio broadcast, slides film strips, photographs, documentary film, video telecasts References: Practical: Contact hrs. 4/wk Max Marks 30 Exam. Duration 4hrs. CA - 10 SA -20 Application of methods and media for communication in rural/urban areas 1. Problem/need identification of a community. 2. Planning of an educational programme 3. Selection, preparation and effective use of Methods & media 4. Evaluation of media	propaganda, Modern technology: Basics and effective use Satellite Communication, Videoconferencing, Teleconferencing, Fax, Inter Net, E-mail, E-page, Cyber Café, cellular phone Unit-V Media for communication Folk Media - songs, stories, Street theater, puppet play, phad, kavad. Importance of Folk Media Print media- posters, charts, leaflets, books, articles/stories, cartoons Audio- Visual aids- meaning, classification, merits and limitations. References: 7. Roy G. L. (1991) Extension Communication and Management, Naya Prakash, Calcutta Practical: Contact hrs. 4/wk Max Marks 30 Exam. Duration 4hrs. SA -20 1. Problem/need identification of a community. 2. Preparation and use of graphic Aids (Chart/ Graph/ Flash Cards/ Poster Leaflet/ Folder) 3. Selection and use of extension methods and media.	
HS4504 Assessment of Nutritional Status (Th.)	HS4504 Assessment of Nutritional Status (Th.)	Unit III last line Evalua of indices – Gomez,
Unit III	Unit III	Waterlow and IAP
nthropometry indices	Anthropometry indices	be replaced by Evaluation of indices- WHO
ead and chest circumference for age, weight for age, weight for height, Brief introduction	Head and chest circumference for age, weight for age, weight for height,	classifications
of reference data WHO, NCHS and ICMR.	Brief introduction of reference data WHO, NCHS and ICMR.	Practical: - Add 4. Growth chart
		Add 4. Glowth Chaft

Practical: -

- Practice of anthropometry.
 Height, weight, MI, MUAC, head and chest circumference, waist and hip circumference, measurement of skin fold thickness.
- 2. Determination of hemoglobin.
- 3. Dietary survey

Practical: -

- Practice of anthropometry.
 Height, weight, BML MUAC, Head and Chest circumference, waist and Hip Circumference Measurement of skin fold thickness.
- 2. Determination of hemoglobin.
- 3. Dietary survey

4. Growth Chart

APPENDIX 3

Existing syllabus	Proposed syllabus	Remark
HSHD5102 Research Methods in Human Development (Th.) Section A Research – Meaning, objectives and importance Nature and Areas of research in Home-Science with special reference to Human Development Types of Research (i) Basic, Applied and Action research. (ii) Historical research (iii) Descriptive Research Methods – Survey, case study, corelational study, causal comparative. (iv) Analytic studies – Pre-experimental, experimental and quasi experimental research.	HSHD5102 Research Methods in Human Development (Th.) Section A Research – Meaning, objectives and importance Nature and Areas of research in Home-Science with special reference to Human Development Types of Research (i) Basic, Applied and Action research. (ii) Historical research (iii) Descriptive Research Methods – Survey, co relational study, causal comparative. (iv) Analytic studies – Pre-experimental, experimental and quasi experimental research.	Reorganized to make it more specific Delete Writing for publication (Shifted to paper HSHD 5103)
(v) Qualitative research methods	(v) Qualitative research methods - Theory and design of qualitative research - Definition and types of qualitative methods: Informal group discussion. Interview: Key informant, indepth study Observation	
 Social mapping Participatory rapid assessment Participatory learning assessment. Section B 	 Social mapping Participatory rapid assessment Participatory learning assessment. Section B 	
Definition and Identification of research problem – selection, justification, sources, basic assumptions, Limitation and Delimitations of the problems.	Definition and Identification of research problem – selection, justification, sources, basic assumptions, Limitation and Delimitations of the problems.	
 Review of literature: Importance, sources of literature collection and presentation. Variables & their types Objectives and assumptions. 	 Review of literature: Importance, sources of literature collection and presentation. Variables & their types Objectives and assumptions. 	
 Hypothesis – meaning, importance and ways of stating hypothesis. Sampling – meaning, importance, sampling techniques, sources of bias and methods of reducing bias. Basic principles of Research Design 	 Hypothesis – meaning, importance and ways of stating hypothesis. Sampling – meaning, importance, sampling techniques, sources of bias and methods of reducing bias. Basic principles of Research Design 	
 Longitudinal and cross section research Purpose of Research design Design for different types of research. Outlining a research proposal (Introduction, review of literature, 	 Purpose of Research design Design for different types of research. 	

significance of study, operational definition of terms and concepts, delimitations of study, basic assumptions/hypothesis, sampling, tool and procedure of collecting data, bibliography, time and budget Section C schedule.) Sources of Primary and secondary data collection Psychometrics: Meaning, characteristics of a good test, Section C Primary and secondary data determination of reliability, validity, discrimination power. Methods and devices of data collection: Data Analysis: Classification, coding and analysis, interpretation of (a) Survey, Observation, Interview, Questionnaire, Case study, Check data. list, Rating scale, Field studies. Research Report :-(b)Psychometrics: Meaning, characteristics of a good test, determination General structure of reporting of reliability, validity, discrimination power. Formal style of writing Data Analysis: Classification, coding and analysis, interpretation of data. Acknowledgements Research Report :-Tables & Figures General structure of reporting. Footnotes, Quotations Formal style of writing Appendices, Bibliography Acknowledgements Tables & Figures Footnotes, Quotations Appendices, Bibliography Writing for publication. HSHD5103 Techniques of Studying Human Development and Scientific HSHD5103 Techniques of Studying Human Development and Syllabus for theory and practical be Scientific Writings (Th.) Writings (Th.) reorganized to make it more Section - A Section - A specific Human Development - Time span approach - longitudinal, cross sectional Human Development study: Time span approach - longitudinal, and sequential approach, ethnographical, correlational and experimental cross sectional and sequential approach, ethnographical approach, Add references 4 -8 studies, approaches across the life span – Birth to old age. life span approach – Birth to old age. Methods of studying Behaviour (preparation and administration, Methods of Studying Growth and Body Size- Significance of Anthropometric measurements - Height, Weight, Mid upper arm advantages and disadvantages of techniques) - Observation, Interview, circumference. Skin fold thickness. Head and Chest circumference. Questionnaire, Case history. Waist and Hip circumference Methods of Studying Growth and Body Size- Significance of Psychological Test –ways of constructing a good psychological test Anthropometric measurements - Height, Weight, Mid upper arm circumference, Skin fold thickness, Head and Chest circumference, Waist and Hip circumference. Section B Projective Techniques – importance and limitations Psychological Test -ways of constructing a good psychological test and steps for standardization. Limitations and ethical considerations in testing. Measurement of Social and Emotional Development - Sociometric Section B method and sociogram, Emotional intelligence and competencies - Uses and limitations Personality Assessment - Rating Scales and Inventories - Purpose and Scaling Techniques and construction: (The summated Rating, The developmental procedures Likert- type scale, The Thurstone Equal-Appearing Interval Scale Guttman Scaling, The semantic Differential Technique, The Projective Techniques - importance and limitations. Assessment of Attitudes - Types and uses (Batteries and specific subject

test, attitudes of various persons towards various social issues).

 Planning and execution of symposium, seminars, workshops and panel discussion.

Section C

- A. Scientific writing as a means of communication
 - Articles in journals, Research notes and reports, Review articles, monographs, Dissertation, Bibliographies, Book chapter and articles, Book review.
- B. The writing Process
 - Formulate outline- as a guide for plan of writing and drafting
 - Brevity and precision in writing
 - Drafting and redrafting based on critical evaluation
 - Drafting-titles, sub titles, tables, illustration, appendices
- C. Writing for Grants
 - Empirical and theoretical framework.
 - Presenting pilot study/ background information
 - Project designing and strategic planning, time frame budgeting
 - Available infra-structure and resources
 - Appraisal feedback and follow-up meetings
 - Executive summary
- Communication and career- preparing C.V., facing interview, group discussion.

References:

Practical

- (1) Construction of different tools of assessment -
 - (i) Observation Schedule
 - (ii) Interview Schedule
 - (iii) Questionnaire
 - (iv) Rating scale
 - (v) Check list

- Assessment of Attitudes Types and uses (Batteries and specific subject test, attitudes of various persons towards various social issues)
- Measurement of Social Development Sociometric method and sociogram
- Emotional intelligence and competencies Uses and limitations

Section C

A. Scientific writing as a means of communication:

Important points in scientific writing (brevity and precision in writing, drafting and redrafting based on critical evaluation)

Writing for: Articles in journals, Research notes and reports, Review articles, monographs, Dissertation, Bibliographies, Book chapter and articles, Book review

- B. Outlining a research proposal (Introduction, review of literature, significance of study, operational definition of terms and concepts, delimitations of study, basic assumptions/hypothesis, sampling, tool and procedure of collecting data, analysis technique, references)
- C. Writing for Grants:
- Writing proposal (empirical and theoretical framework presenting pilot study/ background information, time frame budgeting, available infrastructure and resources, appraisal feedback and follow-up procedure)
- Presentation of report and executive summary
- D. Preparing C.V., facing interview and group discussion

References:

- 4. Santrock J. W. (1998) Child Development 8th ed., Mc.Graw Hill, NY.
- 5. Laura.E.Berk (2006) Child Development, Prentice Hall, New Delhi
- 6. Bamji M.S., Prahlad Rao N., Reddy V. (Eds) (1996)Textbook of Human Nutrition, Oxford and IBH Publishing CO. Pvt. Ltd. New Delhi
- 7.Glatthorn A.A.& Joyner R.L. (2005) Writing the winning thesis or dissertation: A step by step guide (II Ed.) Corwin Press, California
- Loke I.F., Spirduso W.W. and Silverman S.J. (2007) Proposals that work:
 A guide for planning dissertation & Grant proposals (5th Ed.) Sage
 Publication ND

Practical

- 1) Construction of different tools of assessment -
 - (i) Observation Schedule
 - (ii) Interview Schedule
 - (iii) Questionnaire
 - (iv) Rating scale

 (vi) Sociometry and sociogram (vii) Case study Manual (2) Analysis of an Autobiography/Biography. (3) Case studies of Individuals and organization (4) To review articles from journals (5) To review articles from good magazines, News papers (6) To review chapter from books (7) Preparation of thesis abstracts 	(v) Check list (vi) Sociometry and sociogram (vii) Case study Manual 2) To review articles from journals, magazines, News papers, chapter from books 3) Preparation of thesis abstracts 4) Writing articles for journals, magazines, News papers, books and monographs 5) Outlining a research proposal	
HSHD5104 Theories of Human Development (Th.) Section A 1. Theory: Meaning, Definition, Importance of theory. 2. Brief Introduction to different perspectives and approaches of personality. 3. Psychoanalytic theory of Sigmund Freud. 4. Psychoanalysis and Neo Freudians (i) Carl Gustav Jung – Analytical Psychology (ii) Alfred Adler – Individual Psychology 5. Clinically based Neo analytical theories. (i) Erich Fromm – the Escape from freedom. (ii) Harry Sullivan- The interpersonal theory of Psychiatry (iii) Psycho – Social theory of Erick H. Erickson. Section C 1. Learning theories - • Pavlov - Classical conditioning • B.F. Skinner - Operant Conditioning • Bandura – Observation Learning 2. Cognitive and Moral development. • Jean Piaget – Theory of cognitive development. • Vygotsky - Socio cultural perspective • Bruner – Cognitive psychology	HSHD5104 Theories of Human Development (Th.) Section A 1. Theory: Meaning, Definition, Importance of theory. 2. Brief Introduction to different perspectives and approaches of personality. 3. Psychoanalytic theory of Sigmund Freud. 4. Psychoanalysis and Neo Freudians (i) Carl Gustav Jung – Analytical Psychology (ii) Alfred Adler – Individual Psychology 5. Psycho – Social theory of Erick H. Erickson. Section C 1. Learning theories - • Pavlov - Classical conditioning • B.F. Skinner - Operant Conditioning • Bandura – Observation Learning 2. Cognitive and Moral development. • Jean Piaget – Theory of cognitive development. • Vygotsky - Socio cultural perspective • Bruner – Cognitive psychology Kohlberg - theory of moral	Reorganized to make it more specific Section A delete 5 Clinically based Neo analytical theories. (i) Erich Fromm – the Escape from freedom. (ii) Harry Sullivan- The interpersonal theory of Psychiatry since these theories are of not much importance in present context. Renumber 5 (iii) Psycho – Social theory of Erick H. Erickson. As 5 Section C add Kohlberg -theory of moral development
HSHD5202 Early Childhood Care and Education (Th.) Section A Principles & historical trends Need and preference of ECCE. Aims, objectives and problems of preschool education. Preschool program—the nursery school, laboratory school, parent cooperative, church—related program, the Montessori system. Child care program—Historical background, sources of child care funding, types of child care program, critical roles of care—givers, plan for care—	HSHD5202 Early Childhood Care and Education (Th.) Section A Early child care and Education Nature, needs, aims and objectives Brief historical background- John Lock, Rousseau, Pestalozzi, Froebel, Maria Montessori, John Dewey, Lev Vygotsky, Rabidranath Tagore, , Gandhiji, Giju bhai & Tarabai Modak Current Issues in Early childhood education - popularity, public interest,	Reorganized to make it more specific

giving qualities and characteristics of care givers.	families & ECE readiness, terminology of ECE	
Characteristics of quality ECCE Program.	Views about children: Miniature adults, the competent child, child as a	
Safety in centre program.	sinful, blank, tablet, growing plant, property investment in future,	
Issues in care of children.	children as person with rights, children as potential persons	
Section B	Contemporary social issues – working parents, Rising Incomes, single	
Methods for the education and development of child	parents families	
Planning for effective education & development.	<u> </u>	
Methods for educating and developing the very young Task analysis,	Paradigm shift in ECE: family centered Section B	
modeling, discovery learning, and direct teaching.		
- Arranging environment & interest centers.	 Child care: Meeting the needs of parents & children 	
Establishing and managing routines.	 Types of child care: Full service, child care family and relatives, family 	
Involving parents of the children we care for.		
Parents involvement activities.	day care, before & after school care, Head start programme, latchkey	
An initial code of ethics for early childhood educators.	children	
Professional training and personal development.	 Characteristics of quality child care programme – 	
Section C	Child related characteristic	
Theme teaching.	Provider related characteristic	
Play Types, Importance, play as teaching strategy, playground in ECCE,	Facility related	
Indoor & outdoor, play, Block play, water play, puzzles, sand toys.	 Qualities and characteristics of ECE professionals 	
- Socio-emotional skill - Myself and other people.		
Bensory experiences - Nutrition & food, smell & taste, texture & touch	Parent involvement in ECCE: Meaning approach, methods and problem	
sound and pitch.	Section C	
4 Aesthetic development – music & songs, Movement.	 Play –Types, Importance, play as teaching strategy, Play and creativity , 	
	play and disadvantaged, socio – dramatic play, play therapy.	
	 play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. 	
B Activities for ECCE: Goals, significance, objectives, criteria & selection of activities , teacher's role related to-	play and disadvantaged, socio – dramatic play, play therapy.	
	 play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. 	
	 play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - 	
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Music Mathematics Science	 play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food 	
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Music Mathematics Science Social studies	 play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism 	
	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch	
- Activities for ECCE: Goals, significance, objectives, criteria & selection of activities , teacher's role related to	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill − Myself and other people, mannerism Sensory experiences − Smell, taste, texture, touch, sound and pitch	
	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch	
- Activities for ECCE: Goals, significance, objectives, criteria & selection of activities , teacher's role related to	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch	
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Musie Mathematics Science Social studies - 3 Rs Program planning Planning: setting goals and objectives of plans—long term, short	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch Planning activity areas HSHD5205 Contemporary Issues and Concerns in Human syllab	us has been addee
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Musie Mathematics Science Social studies - 3 Rs Program planning Planning: setting goals and objectives of plans—long term, short	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill − Myself and other people, mannerism Sensory experiences − Smell, taste, texture, touch, sound and pitch Planning activity areas	us has been addee
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Musie Mathematics Science Social studies - 3 Rs Program planning Planning: setting goals and objectives of plans—long term, short	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch Planning activity areas HSHD5205 Contemporary Issues and Concerns in Human syllab	us has been addee
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Musie Mathematics Science Social studies - 3 Rs Program planning Planning: setting goals and objectives of plans—long term, short	play and disadvantaged, socio – dramatic play, play therapy. Indoor & outdoor, play, Block play, water play, puzzles, sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene, Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell, taste, texture, touch, sound and pitch Planning activity areas HSHD5205 Contemporary Issues and Concerns in Human Development Since, the students are expected to get acquainted with various contemporary	us has been added
Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to Language art. Art and craft activities Musie Mathematics Science Social studies - 3 Rs Program planning Planning: setting goals and objectives of plans—long term, short	play and disadvantaged , socio – dramatic play, play therapy . Indoor & outdoor, play, Block play, water play, puzzles , sand toys. Routine and scheduled activities for ECC - goals, significance, objectives, teacher's role related to - Personal skills - health hygiene , Nutrition & food Socio-emotional skill – Myself and other people, mannerism Sensory experiences – Smell , taste, texture , touch, sound and pitch Planning activity areas HSHD5205 Contemporary Issues and Concerns in Human Development	us has been added

	problems of burning issues will be conducted	
Section A Meaning, Concept, need, functions and scope of guidance and counseling. Principles, philosophy, Basic assumptions, evolution of guidance and counseling movement in India. Areas of Guidance: Educational, Vocational, Personal and social. Aims & objectives of Guidance Group Guidance-concept and techniques Section B Various techniques & tools used in guidance: Self Profile, report of test results and their communication, case study, observing client, visiting home, schools & place of work etc., conducting guidance interview, counseling. Psychological tests on intelligence, creativity, personality, aptitude, attitude & values, their characteristics and uses. Role of different personnel in guidance & counseling: Principal, teachers, career masters, guidance director, counselor, psychologist, psychiatrist, health specialists, physical instructor, parents, wardens and librarian. Guidance-services in schools: Orientation, information, placement and follow up. Need of Public relations in Guidance. Follow up., Evaluation and research studies in Guidance. Section C Need and importance of counseling services. Principles and procedures and different types of counseling: Education, Personal and crisis facilitative, vocational, preventive, psychological, psychotherapeutic, clinical. A brief review of approaches to counseling: Directive, Non-directive, Eelectic and Behavioral. Emerging areas of guidance & counseling:	HSHD5302 Introduction to Guidance and Counseling (Th.) Section A Meaning, Concept, need, functions and scope of guidance and counseling. Principles, Philosophy, Basic assumptions, evolution of guidance and counseling movement in India. Areas of Guidance: Education, Vocational and Personal social. Aims & objectives of Guidance Group Guidance-concept and techniques Section B Various techniques & tools used in guidance: Self Profile, report of test results and their communication, case study Observing client, visiting home, schools & place of work etc., conducting guidance/ counseling interview. Psychological tests on intelligence, creativity, personality, aptitude, attitude & values, their characteristics and uses. Role of different personnel in guidance & counseling: Principal, teachers, career masters, Guidance director, counselor, psychologist, psychiatrist, Health specialists, Physical instructor, Parent, Wardens and Librarian. Need of Public relations in Guidance. Section C Guidance services: Need, importance, types and procedural details Orientation Information Placement Follow up Counseling A brief overview of approaches to counseling: Directive, Non-directive, Eelectic and Behavioral Emerging areas of counseling	Section B and C be reorganized to make it more specific and balanced
HSHD5303 Curriculum for Early Years(Th.)	HSHD5303 Curriculum for Early Years(Th.)	Reorganized to make it more
Section - A	Section - A	relevant
Early childhood matters	Early childhood matters	
□ Need and importance of early childhood development and ECCE	Need and importance of curriculum planning in early years	
☐ Principles of program planning for early years	Principles of program planning for early years	
□ Weekly and daily plan	Formulation of goals and objectives- long term and short term goals	

	Formulation of goals and objectives- long term and short term goals	Weekly and daily plan	
	Need for curriculum planning in early years	Determinants of Child Survival and Development	
	Determinants of Child Survival and Development	Ensuring quality and effectiveness in ECD program	
	Ensuring quality and effectiveness in ECD program	Section –B	
	Section -B	ECCE models and approaches	
ECCE	models and approaches	☐ Theoretical concepts, programme centered learning environment, role	
	Theoretical concepts, programme centered learning environment, role of	of teacher, role of learner and parents	
	teacher, role of learner and parents	□ ECCE models	
	ECCE models	☐ Intervention models	
	Intervention models	☐ Innovative prgrammes	
	Innovative prgrammes	Role of parents and community in ECD programmes and curriculum	
	Role of parents and community in ECD programmes	planning.	
	Section- C	Section- C	
	of contributions of Indian educators	Curriculum planning :	
	Indian educators and its implications for programme planning in Indian context, missionaries , Arundales	 Activities for ECCE: Goals, significance, objectives, criteria & selection of activities, teacher's role related to- 	
-	Indian innovation of western theories: Giju Bhai Badeka and Tara Bai Modak	• Language art	
-	Role of parents and community in curriculum development.	Concept development	
-	Importance and value of play	Art and craft activities	
	Play- theories, criteria of selection, play and creativity , play and the disadvantaged, play therapy, socio-dramatic play	Music and dance	
-	Activity areas-3 Rs, books, concept development, science area, creative and art	• Mathematics	
	areas, music and dance area, physical & motor development areas, Block activity area	• Science	
Refere	•	 Social studies 	
		• Reading / writing	
4. Kui	karni, S.(1988) Parent Education , perspectives and approaches. Jaipur: Rawat	 Indoor and outdoor play 	
	Pub	• Theme teaching	
7. Bals	ara, M (1996) New Education Policy and Development Challenge, New Delhi Kanishka.		
	Kanishka.		
	HSHD5304 Child in the Family (Th.)	HSHD5304 Child in the Family (Th.)	Section A delete ecological and
	Section A	Section A	sociological factors affecting the
Family	in social context	Family in social context	interpersonal relationships.
•	Sociological significance of family	Sociological significance of family	Section B delete critical analysis of

	,	
Approaches to the study of family : developmental, social , psychological and	Approaches to the study of family : developmental, social ,	contemporary theories in family and
educational	psychological and educational	status of children.
Family: structure, functions, roles and relationships.	Family: structure, functions, roles and relationships.	
Influence of SES, culture, religion on family.	Influence of SES, culture, religion on family.	
Intergenerational conflict within the family.	Intergenerational conflict within the family.	
• Family as an eco system - ecological and sociological factors affecting the	Family as an eco system.	
interpersonal relationships	• Intrafamilial influences on the personality development – secure and	
• Infrafamilial influences on the personality development – secure and insecure	insecure experiences, crisis in the family; death, divorce, alcoholism,	
experiences, crisis in the family; death, divorce, alcoholism, illness, and	illness, and unemployment.	
unemployment.	Section B	
Section B	Role of the child in the family -	
Role of the child in the family -	Child and family interaction, emotional satisfaction	
Child and family interaction, emotional satisfaction	Expansion of family interest.	
Expansion of family interest.	Opportunity and insight into the life process	
Opportunity and insight into the life process	Where and how the family helps the individual member through -	
Where and how the family helps the individual member through -	Shared responsibility	
Shared responsibility	Proper use of leisure hours	
Proper use of leisure hours	Family customs	
Family customs	Family rituals	
Family rituals	Sacraments	
Sacraments	Sound sex education	
Sound sex education	Mental health & hygiene: meaning, definition, characteristics of good	
Critical analysis of contemporary theories in family and status of children.	mental health, role of parents in maintaining positive mental health.	
Mental health & hygiene: Meaning, definition, characteristics of good mental		
health. Role of parents in maintaining positive mental health.		
Group A : Guidance and Counseling	Group A : Guidance and Counseling	Reorganized to make it more
HSHD5403A Principles & Procedures in Guidance and Counseling (Th)	HSHD5403A Principles & Procedures in Guidance and	specific Section A delete
Section A	Counseling (Th)	Cognitive
☐ Meaning, concepts and areas of guidance and counseling.	Section A	Behavioral
 The Counselor. As person and as a professional- Personality and training of counselor. 	Meaning, concepts and areas of guidance and counseling.	Benaviolai
- As person and as a professionar- Personanty and training of counselor Client rights and counselor responsibilities	The Counselor	
- Therapist competence: Ethical and legal aspects	- As person and as a professional- Personality and training of	
☐ Major theories of counseling −	counselor.	

D 1		
- Person centered	- Client rights and counselor responsibilities	
- Gestalt	- Therapist Competence: Ethical and legal aspects	
- Psychodynamic	Major theories of counseling –	
- Cognitive	- Person centered	
- Trait factor	- Gestalt	
- Behavioral.	- Psychodynamic	
	- Trait factor	
HSHD5404A Guidance and Coping in Crisis (Th)	HCHD5404A Cuidones and Coning in Cuisis (Th)	Reorganized
HSHD5404A Guidance and Coping in Crisis (111)	HSHD5404A Guidance and Coping in Crisis (Th)	Reorganized
Section A	Section A	
□ Nature, concept, understanding of crisis situations	Nature, concept, understanding of crisis situations-	
- Effect of crises events on different age groups and role of the family in		
crisis situation	Effect of crises events on different age groups and role of the family in	
- Skill for managing crisis situation	crisis situation	
□ Normal and abnormal events	 coping process, common reactions and consequences of traumatic 	
- Normal events / incidence in daily life.	events	
- Abnormal events of crises experiences- at home, at school, and		
community	 Steps in crisis intervention 	
- Normal coping process, common reactions and consequences of traumatic	Skill for managing crisis situation	
events	• Special counseling challenges-working with ambivalent indifferent and	
- Protective and risk factors		
Special counseling challenges-working with ambivalent indifferent and	oppositional clients, older adults ,children , mentally ill clients ,drugs	
oppositional clients, older adults ,children , mentally ill clients ,drugs or alcohol	or alcohol abusing clients, exceptional children, clients from different	
abusing clients	cultures	
□ Steps in crisis intervention		
Section B	Section B	
Dealing with problem situations and guidance for vulnerable /special groups Child abuse	Dealing with problem situations and guidance for vulnerable /special	
- Children of divorce families, step families, single – parent homes	groups-	
- Latchkey children, Homeless children	- Marital and sexual relationship concerns	
- Counseling with children about death and dying	- Handling family differences	
- Counseling with children from different cultures		
- Children in alcoholic families-	- Divorce families, step families, single – parent homes	
- Suicidal behaviors	- Alcoholic families	
- Marital and sexual relationship concerns	 Violence and abuse 	
- Handling family differences	- Survivals of sexual abuse	
- Survivals of sexual abuse		
 Counseling with exceptional children 	- Counseling about death and dying	
Section C	- Suicidal behaviors	
Counseling children in difficult circumstances	- Latchkey children, Homeless children	
Emotional problem - Frustration, inferiority, actual or imagined limitations and	Section C	
emotional instability, worrying, fantasy, frequent sad moods,	Section C	

- indecisiveness, lack of self confidence, identity crises, feeling of insecurity, excessive fear
- Adjustment problems Aggression, low achievement, poor socialization, difficulty in maintaining friends, homesickness, feeling of loneliness, school phobia, short attention span, dependent and immature behavior
- Children in conflict with others and with self-Fighting, verbal abusiveness, cruelty, destructiveness, tantrums, swearing, lying, stealing, truancy, abnormal sexual behavior, extreme sensitivity

References:

- 1. Medicine Sans Frontiers (MSF).
- (i) Handbook for a monthly course on Trauma Related Problems. Trainers

 Manual, Oct. 1997
 - (ii) Mental health Training Manual.
- (iii) Shocking Events and Stressful Situation Their Emotional consequences. Amsterdam, April 1993
- 2. Save the Children.
 - (i) Helping Children in Difficult Circumstances. (A Teachers Manual)
 London, 1992
- 3. Schauer, Margarete
 - (i) Posttraumatic Stress (PTSD) and Extreme STRESS (DES).
 - (ii) First aid kit for the Mental Health Team Providing psycho-social service for the severely traumatized Kosovo Albanians in the Refugee Camps. MSF Mental Health – Macedonia 1999.
- 4. World Health Organization.
 - (i) Mental Health of refugees, Geneva 1996.
- Hutchinson D. (2007), The Essential counselor process, skills and techniques, Lahaska press, Houston Mifflin Company

Counseling children in difficult circumstances

Emotional problem – Frustration, inferiority, actual or imagined limitations, fantasy, frequent sad moods, lack of self confidence, feeling of insecurity, excessive fear anxiety and worrying,

Adjustment problems – Aggression, poor socialization, difficulty in maintaining friends, feeling of loneliness, excessive shyness and withdrawal Educational difficulties- school phobia, low achievement, short attention span, truancy, extreme sensitivity

Children in conflict with others-

References:

- Thompson Charles ,L. Linda B. Rudolph , Counseling children ,III Ed Brooks / Cole Publishing Company, Pacific Grove, California.
- Gummaer Jim, Counseling and Therapy for Children, New York, The Free Press.
- Ivey, A.E. Ivey M.B and Downing L.S., Counseling and Psychotherapy- interpreting skills, Theory and Practice., New Jersey, Prentice Hall.
- Dave Indu ,The basic essentials of counseling, STERLY Pub. Ltd. New Delhi.
- Kenedy E., One becoming a counselor, A Basic Guide for non professional counseling, Gill & Macmillan, Delhi.
- Fasricha Prem, Counseling in Indian schools, NCERT Publication, New Delhi.
- Barlci, B.C., Mukopadhyay B., Guidance & counseling: A manual New Delhi
- Corey Gerald, Corey Marionne Schneider, Callanan Patride, Issues and Ethics in the helping Professions, VII Ed., Thomson, Brooks/Cole, Canada.
- Corey Gerald, Group counseling, Brooks / Cole engage leasing India Private Limited, New Delhi.
- Jacoks Ede, Robust L ., Masson, Riley L. Harvill, Group Counseling strategies and skills. 6th Ed., Thomson Brooks/Cole. USA.
- Mite hall Marianne H., Gibson Robust L., Introduction to Guidance, Pearson Education Pvt. LTD. Delhi.
- Jones Richard Nelson, The Theory and Practice of counseling Psychology.
- 13 Patterson L.E. The counseling process V. Ed. Brooks/Cole
- Hutchinson D., The Essential counselor process, skills and techniques.
 Lahaska press, Houston Mifflin Company
- Schaefer, C.E. & Millman, H.L., How to help children with common problems, Van Nostrand Reinhold Company, New York.

Group	B: Early Childhood Education	Group B: Early Childhood Education	B and C	and	references	be
	HSHD5403B Innovative Programmes & Curriculum Planning for ECE Centers(Th.)	HSHD5403B Innovative Programmes & Curriculum Planning for ECE Centers(Th.)	reorganized			
	Section A	Section A				
The co	ntext and need for innovative program	The context and need for innovative program				
	Change in orientations towards ECCE centers at international and national level (human rights, child rights, elimination of discrimination, equity and equality).	Change in orientations towards ECCE centers at international and national				
	Policies and latest five year plans for ECCE.	level (human rights, child rights, elimination of discrimination, equity and				
	Special needs of special groups of people (tribal children, children with special need, refugees, children in urban slums).	equality). • Policies for ECCE in India				
	Availability of resources.	Latest five year plan for ECCE				
	Issues of sustainability and outreach	Special needs of special groups of people (tribal children, children with)				
	Section B	special need, refugees children, children in urban slums).				
Histor	ceal-overview of innovative approaches.	Availability of resources				
	The kosabad experience	Issues of sustainability and outreach				
	Mobile crèche, New Delhi.	Section B				
	Bodh trust, Rajasthan	Overview of innovative approaches (History, Programme)				
	A detailed overview of selected innovative programs.	Philosophy and other information				
	- URMUL TRUST	International context — community resource centers for ECE				
	- CHETNA	Programme (Australia/ Canada).				
	- International context – community resource centers for ECE Programme (Australia/ Canada).	Indian context - Kosabad experience , Mobile crèche, New				
	- Innovative program in regional context – Bodh siksha Trust, WDP (Rajasthan-Tilonia).	Delhi, URMUL TRUST, CHETNA Innovative program in regional context – WDP Tilonia Rajasthan.				
	Section C	Bodh trust Rajasthan,				
	Creativity at ECCE Centers.	Section C				
	Dramatization at ECCE Centers.	 Innovative techniques used in ECE classrooms 				
-	Use of locally available resources.	- Smart classroom				
-	Equipments at ECCE centers.	- Interactive whiteboards				
-	Low cost equipments from local resources.	-classroom computers /projectors				
	Community pre-school centers for rural poor.	• -You Tube videos				
		 -Text, images, Audio, Video, Animation 				
Refere	ence:	• -Role Playing				

	 -E-Learning -STEM for beginners -Engagement in Purposeful Play -Library in ECE classroom Reference: SubGroup Report -ECE in the 12th Five Year Plan(2012-2017) Ministry of Women and Child Development, New Delhi ECCE Experiences in India(Govt. of India Report) Govt. of India (1992) National Policy Of Children, 1986. National Program of Action, 1992, New Delhi. Department of Education, Ministry of Human Resource. Govt. of India (1996)ICDS, New Delhi: Department of Women and Child Development, Ministry of HRD The State of World's Children: 2006, New York, UNICEF 	
HSFN5204 Problems in Human Nutrition (Th) Section C A. Obesity — Definition, etiology, health risks , metabolic effects, treatment through diet, very low caloric diet, behaviour therapy. B. Diabetes Mellitus — Definition of type I and type II diabetes, diagnosis, Chemical pathology and metabolic changes. Nutritional Management of type I and type II diabetes C. Cardiovascular risk factors and their nutritional determinants 1) — Coronary — Heart — Disease — Pathogenesis — and — nutritional management 2) — Hypertension — Classification and nutritional management. D. Nutritional recommendations for high risk individuals (for CVD)	HSFN5204 Problems in Human Nutrition (Th) Section C Risk factors and etiology, metabolic changes, diagnosis, preventive measures, treatment, nutrition and diet related management of-obesity, type 1 and 2 diabetes mellitus, cardiovascular diseases and hypertension. Use and health effects of very low calorie diet, DASH diet and prudent diet. Functional Foods and Nutraceuticals History, definition and concept. Classification of nutraceuticals and functional foods. Significance and relevance of nutraceuticals and functional foods in the management of diseases. Natural occurrence of phytochemicals- Antioxidants and flavonoids, omega -3 fatty acids, carotenoids, dietary fiber, phytoestrogens, glucosinolates, organosulphur compounds. Health benefit with adequate safety	Section C be revised and rewritten
HSFN5302 Advanced Nutrition (Th) Section -A	HSFN5302 Advanced Nutrition (Th) Section -A	Section A (iii) be rewritten as (ii Evaluation of protein quality:1

 (iii) Evaluation of protein quality in vitro evaluation chemical score, Biological values (BV), Net protein utilization (NPU), Protein efficiency ratio (PER), NDP caloric percent. Section – B (ii) Perspectives in human nutritional requirements. Different methods of estimating nutritional requirements and their critical evaluation 	(iii) Evaluation of protein quality: In vitro evaluation- Chemical score, Protein digestibility coefficient, PDCAAS In vivo evaluation- Biological value (BV), Net protein utilization (NPU), Protein efficiency ratio (PER), NDP caloric percent. Section – B (ii) Perspectives in human nutritional requirements. Different methods of estimating nutritional requirements and their critical evaluation. Estimation of Energy, Protein, Fat, Iron, Calcium, vitamin A and vitamin C requirements	vitro evaluation- Chemical score, Protein digestibility coefficient, PDCAAS In vivo evaluation- Biological value (BV), Net protein utilization (NPU), Protein efficiency ratio (PER), NDP caloric percent. Section B (ii) Estimation of Energy, Protein, Fat, Iron, Calcium, vitamin A and vitamin C requirements.
HSFN5304 Nutrition in Specific Diseases and Disorders Section A Nutrition in Cancer and AIDS 1. Cancer	HSFN5304 Nutrition in Deficiency and Other Diseases and Disorders Section A Nutrition in Cancer, AIDS and Disabling Diseases 1. Cancer • Introduction • Dietary components associated with cancer • Nutritional care 2. AIDS • Introduction • Signs and symptoms • Transmittal routes • Nutritional care 3. Nutritional support in Disabling Disease • Rheumatoid arthritis • Osteo arthrits Section B 1. Inborn Errors of Metabolism Metabolic defect, clinical symptoms and management of - • Phenylketonuria • Galactosemia • Maple syrup urine disease • Homocysteineuria • Familial hypercholesterolemia 2. Nutritional management of malabsorption syndrome, food intolerance and allergy 3. Metabolism of alchol, nutritional effects metabotism of alchohol and nutritional therapy in chronic alcoholism Section C	Be reorganized

	2. Nutritional Support in Disabling Disease Special needs of older disabled persons Special disabling conditions requiring supportive nutritional care (i) Rheumatoid arthritis (ii) Osteoarthritis Nutritional Care of the Terminally iII. The dying process Palliative versus curative care Dietary management for symptom control	relevance; Usefulness in gastro intestinal health and other health benefits; development of probiotic products; Prebiotics: Prebiotic ingredients in foods; types of prebiotics and their effects on gut microbes; health benefits of prebiotics; Symbiotics. Development of functional foods, use of bioactive compounds in appropriate from with protective substances and activators; Research frontiers in functional foods; delivery of immunomodulators / vaccines through functional foods. Nutrigenomics- concept of personalized diet. Use of nanotechnology in functional food industry.	
5.	HSFN 5303 Applied and Community Nutrition Section B Operations research and its contribution to nutrition programme management.	HSFN 5303 Applied and Community Nutrition Section B 5. Operations research – Definition and its application in nutrition programme management. An overview of response surface methodology (RSM) as a technique of process optimization	Section B 5 be rewritten as Operations research – Definition and its application in nutrition programme management . An overview of response surface methodology (RSM) as a technique of process optimization .
	HSFN5402- Nutrition for Health and Physical Fitness	HSFN5402- Nutrition for Health and Physical Fitness	Section B and C be reorganized
	Section B	Section B	
1.	Nutrition in sports: Sports specific requirements Diet manipulation pre and post game meal. Diet for person with high energy requirements, stress, fracture and injury.	Nutrition in sports: Sports specific requirements Diet manipulation pre and post game meal. Diet for person with high energy requirements,	
2.	Water and electrolyte balance: Loss and their replenishment during exercise, effect of dehydration, sports drinks.	stress, fracture and injury. 2. Water and electrolyte balance: Loss and their replenishment during	
3.	Effect of work environment on health, safety, and performance adaptive responses	exercise, effect of dehydration, sports drinks. 3. Effect of work environment on health, safety, and performance	
	(i) physical factors-heat, cold, noise, vibration and light.	adaptive responses	
	(ii) nutritional factors (water, electrolyte, energy, foods, protein, vitamin, essential trace minerals),	(i) physical factors-heat, cold, noise, vibration and light.(ii) nutritional factors (water, electrolyte, energy, foods, protein,	
	(iii) Environmental contaminates (dust, gases, fumes, chemical)	vitamin, essential trace minerals),	
1.	Section C Significance of physical fitness and nutrition in the prevention and management	(iii) Environmental contaminates (dust, gases, fumes, chemical) Section C	

2. 3. Praction	Nutrition and exercise regimes for pre and post natal fitness Alternative systems for health and fitness like ayurveda, yoga, meditation, vegetarianism and traditional diets cal (Common for Paper 1 & Paper 2)	• Pract	performance solid foods V/s Fluids, carbohydrate requ training, best times and best foods and drinks during exer Planning a post exercise diet – Duration of refueling, his carb diet for recovery, fitness and refueling efficiency, carbohydrate amount and timing of intake after training, exercise, necessity of combining crabs and protein ical (Common for Paper 1 & Paper 2)	cise gh carb V/s low , calculation of	
	(Techniques and Instrumentation in Nutrition Research & Nutrition for Health and Physical Fitness)		(Techniques and Instrumentation in Nutrition Nutrition for Health and Physical Fitness)	Research &	Practical (Common for Paper 1 & Paper 2)
	Contact hrs.4/wk Max. Marks30		Contact hrs.4/wk	Max. Marks30	•
	Exam.Duration 4 hrs. CA 10 SA 20		Exam.Duration 4 hrs.	CA 10 SA 20	Delete Exercise 6
1.	Standardization of a colourimetric and spectrophotometric method and working on this instrument.	1.	Standardization of a colourimetric and spectrophotome working on this instrument.	tric method and	Exercise 7 be renumbered as 6
2. 3.	Standardization of a fluorimetric method and working on this instrument. To study the working of an Atomic absorptiometer.	2.	Standardization of a fluorimetric method and we instrument.	orking on this	
4.	Separation of the various components of a mixture using a suitable chromatographic method.	3. 4.	To study the working of an Atomic absorptiometer. Separation of the various components of a mixture to the component of the components of the compon	using a suitable	
5. 6.	To study the working of a electrophoresis set-up. To determine protein efficiency and food efficiency ratios by animal experimentation using albino rats as experimental animals.	5. 6.	chromatographic method. To study the working of a electrophoresis set-up. Assessment of nutritional status -		
7.	Assessment of nutritional status - Anthropometric tools and measurement of height, weight, mid upper arm circumference and skin fold thickness Diet survey and diet calculations	7.	Anthropometric tools and measurement of height, we arm circumference and skin fold thickness Diet survey and diet calculations	ight, mid upper	
	HSCT5304 Textile Merchandising (Th.)		HSCT5304 Textile Merchandising (Th.)		Add 2 Policies for import and
	$\begin{tabular}{ll} \textbf{Section A} \\ \end{tabular} \begin{tabular}{ll} \textbf{History, development, present status, problems, and export import trends in cotton, wool, silk, jute, and man made textile industries. \\ \end{tabular}$	1.	Section A History, development, present status, problems, and etrends in cotton, wool, silk, jute, and man made textile in Policies for import and export market, Organizations export in textile and garment industries	ndustries.	export market, Organizations for promoting export in textile and garment industries
	HSCT5403 CAD in Textile and Garment Designing (Th.)		HSCT5403 CAD in Textile and Garment Designing		be reorganized

	Section A	Section A	
THEC	PRY BASED ON COMPUTER	RGB colour model	
	RGB colour model. Monitor Resolution. Tools for multimedia data: Hardware devices; Scanner, digital Camera, microphone. Software devices: Flash, Photoshop. Graphics, Image file formats Pixels Bitmap Monochrome bitmap image Grayscale bitmap image 24 bit colour image 8 bit colour image	 Brief overview of CMYK model Monitor Resolution Image file - Pixels Bitmap Monochrome bitmap Grayscale bitmap image 24 bit colour image 16 bit colour image 8 bit colour image Standard system independent formats- GIF, JPEG, TIFF Section B 	
	Standard system independent formats GIF, JPEG, TIFF.	 Scope and importance of CAD in industry 	
	Section B CAD IN TEXTILE DESIGNING AND FASHION DESIGNING INTRODUCTION TO CAD	 Use of CAD in textile industry- Weaving, printing, knitting, embroidery, fashion designing, pattern making, grading and marker making 	
	Uses of CAD in textile industry	Hardware for CAD- Computer: overview of system devices, way and at trace devices input devices extent devices.	
	Selection of hardware and software for CAD	memory and storage devices, input device, output devices, communication devices, Printer, Scanner,	
	Basics of software	Basics of software- Overview of system software, application	
-	Starting software	 software CAD modules: Draw, Edit, Data output, System control, Data 	
	Beginning a new drawing	storage	
	Creating a basic prototype drawing	 Types of CAD software: generic vs dedicated, 2D, 3 D, Wireframe etc 	
-	Basic Commands and its application	 Factors to be considered while selecting CAD software 	
	Creating and storing slopers in CAD	 Creating a basic prototype drawing, Drawing drape on figure 	
-	Theories of drawing figures	 Basic Commands and its application Creating and storing slopers in CAD 	
-	Textiles design drawing	 Theories of drawing figures 	
	Drawing drape on figure	Section C	
	Scope and importance of CAD in industry and daily life.	Creation of a new pattern from a spec sheet Pictiving of basis as the many specific parts and the many specific parts are the many specific parts and the many specific parts are the many specific parts and the many specific parts are the many specific parts and the many specific parts are the many specific parts. Output Distriction of the many specific parts are the many specific par	
	Section C Digitizing of basic pattern Grading of Patterns		
CAM	IN TEXTILES	Marker function, making marker interactively, making	
	Creation of a new pattern from a spec sheet.	markers automatically	
	Digitizing of basic pattern.	Plotters and their function	
	Grading of Patterns.	References: 1. Aldrich, W.(1994): CAD in clothing and textiles, Back well	

Marker function, making marker interactively, making markers automatically. science ltd 2. Gray S: CAD / CAM in clothing and textiles, Grouse Publication. □ Plotters and their function. 3. Beazley A. and Brandtssy (2003): Computer aided pattern design and product development, Black well Publishing 4. Conigan J. (1994) Computer Graphics secrets and solutions BAB 1. Veisinet, D.D.(1987): Computer aided drafting and design: Concept and Publication, New Delhi application . 5. Villamil JC and Fernandej LE(1998) Multimedia Graphics, Prentice 2. Winifred, A (1990) Metric pattern cutting for men's wear: Including design Hall, New Delhi unisex casual clothes and computer aided design, BSP Professional books, oxford. Corklin, PG .(1990): Pattern grading for women's clothes, The technology of 3. signing, BSP professional book oxford. 4. Aldrich, w.(1994): CAD in clothing and textiles, back well science ltd. 5. Chase RW: CAD for fashion, PHI. 6. Gray S: CAD / CAM in clothing and textiles, grouse publication. 7. Beazley Alison and brand tssy (2003): Computer aided pattern design and prudent development, black well publishing.

8.

Firtz Anne and cant Jennifer (1988): consumer textiles, oxford

Verified Offg. Secretary Banasthali Vidyapith P.O. Banasthali Vidyapith Distt. Tonk (Raj.)-304022

BANASTHALI VIDYAPITH

Department of Home Science

Minutes of the Board of Studies held on 28 December 2018 at 11:00 am in the Department of Home Science, Gyan Mandir, Banasthali Vidyapith

PRESENT

Dr. Chandra Kumari Internal Members

Ms. Charu Panwar

Dr. Charu Vyas

Dr. Deepti Bhargava

Ms. Ekta Sharma

Dr. Ekta Singh Chauhan

Dr. Gita Bisla

Prof. Monika Jain

Dr. Namrata Arora Charpe

Dr. Navita Pareek

Ms. Parul Sharma

Dr. Parul Tripathi

Dr. Parsansha Sharma

Ms. Prawal Pandey

Dr. Shalini Juneja

Prof. Sheel Sharma

Mrs. Shweta Dubey

Prof. Suman Pant

Dr. Suvidha

Prof. Indu Bansal Convener (in the Chair)

Note: Dr. Sheela Sangwan, Dr. Mini Shetah, Dr. Anjali Karoliya, (External Members) and Dr. Neelam Chaturvedi (Internal Member) could not attend the meeting.

The meeting started with a welcome of the members, by the convener of Board of Studies for Home Science, Prof. Indu Bansal, Dean, Home Science, Banasthali Vidyapith, Rajasthan

- 1. The Board confirmed the minutes of the meeting of the Board of Study held on 24th April' 2016 and pre BOS held on 2nd April' 2018.
- 2. Panel of Examiners for each examination up to and inclusive of Master's Degree Examination has been prepared in the prescribed format, separately for theory and practical examinations, keeping in view the Vidyapith Bye-laws. It has been submitted in secrecy section along with soft copy.
- 3. The Board reviewed the Study/Curricula, Scheme of examination in various courses of study, keeping in view the curriculum structure of the Vidyapith for Undergraduate and postgraduate courses.

Learning outcomes for each and every course of study (including practical course where prescribed) have been incorporated to explain focus and approach of the course. References have been updated and presented in APA format. Syllabuses of all the courses have been properly formatted, correcting spelling and punctuation errors.

The Board recommended courses of Study, Curricula and scheme of examination as follows-

B.A

i.	First Semester	No Change in scheme and syllabus
ii.	Second Semester	No Change in scheme and syllabus
iii.	Third Semester	No Change in scheme and syllabus
iv.	Fourth Semester	No Change in scheme and syllabus
v.	Fifth Semester	Minor Change
vi.	Sixth Semester	Minor Change

Learning outcomes, References and E-resources for BA is attached and marked as Annexure-I a and b.

B.Sc. (Home Science) Programme

i.	First Semester	Minor Change a b
ii.	Second Semester	No Change
iii.	Third Semester	Minor Change ^c
iv.	Fourth Semester	No Change
V.	Fifth Semester	Minor Change de
vi.	Sixth Semester	Minor Change ^e

(a) The Board recommended that in B.Sc. (Home Science) I Semester in course Elementary Human Physiology (Course Code: HSC103) 'structure of kidney' should

- be deleted since it is part of organs of excretory system and there is no need to mention it separately
- (b) The Board reviewed the syllabus of Fundamentals of Biochemistry and Microbiology (Course Code: HSC106), of B.Sc. (Home Science) I Semester and it was found that syllabus is too elaborate for B.Sc. I Sem. students, hence, recommended that content should be rewritten to make it more concise. Besides, students do in- depth study in course Nutritional Biochemistry in VI semester.
- (c) The Board reviewed the content of practical of B.Sc. (Home Science) III Semester Fundamentals of Clothing Construction (Course Code: HSC207 L) and recommended that content should be elaborated to make it clear and unambiguous and to avoid repetition (deleted part is already in the syllabus of Family Clothing (Course code: HSC202L). These changes be made applicable from session 2019-2020 onwards
- (d) The Board reviewed the course content of Introduction to Work Study (Course Code: HSC 309) of B.Sc. (Home Science) V Semester and recommended that topics in unit I, II and V should be elaborated for clarity and Unit III and IV be redesigned to balance the units. These changes be made applicable from session 2019-2020 onwards.
- (e) The Board also suggested some new Discipline Electives along with those already running; syllabus for which have been developed..

Learning outcomes, proposed revised (if any) / new syllabi, References and E-resources is attached and marked as **Annexure-II** a and b.

M.Sc. (Home Science Human Development/ Food Science and Nutrition)

i.	First Semester	Minor Change ^a
ii.	Second Semester	No Change
iii.	Third Semester	Minor Change
iv.	Fourth Semester	Minor Change

- (a) M.Sc. Human Development II Semester Course Contemporary Issues and Concerns in Human Development (Course Code: HSC 406) burning issues have been added and some part has been deleted because of repetitions in other courses.
- (b) M.Sc. Food Science and Nutrition IV Semester Course Clinical Nutrition and Dietetics (Course Code: HSC509); two new methods have been added in section A.

Suggested revisions (if any), learning outcomes, References and E resources is attached and marked as **Annexure-III a and b** .

(c) In the light of the discussions with honorable Vice Chancellor, the Board recommended some new reading elective courses focusing on recent advances in the field of specialization and of contemporary importance for development of self study / reading habits in P.G. students.

Pattern: Each course will be of two credits. There will be end semester exam only. These courses will not be alternative to regular course. Every M.Sc. student has to opt for at least two reading electives.

It was also suggested by the Board that reading electives should start from II semester itself (instead of III semester), **subjected to the approval of Academic Council.** In fourth semester, PG students have to finish their project work along with 4/5 course of study and will have less time for reading. Moreover, this will also increase scope for those students who want to opt for more than two electives. Besides, it will provide more time to those students who may not clear electives in first attempt.

List of Reading Electives (Newly Introduced)

List of Reading Electives (Newly Introduced)
Safe and Healthy Environments For Young Children
2. Nanotechnology in Textile
3. Introduction to Nutrigenomics Online course in lieu - Nutrigenomics for Disease Prevention
and Intervention https://www.nutrigenomics.arizona.edu/home.html
4. Textile Conservation
5. Onconutrition
6. Colour Science and Instrumentation
7. Inclusive Education
8. Novel Technologies for Food Processing and Shelf Life Extension Online course in lieu - Novel
Technologies For Food Processing and Shelf –Life https://nptel IIT, Kharagpur Management
9. Food Biotechnology
10. Science of Clothing Comfort Online course in lieu - Science of Clothing Comfort
http://swayam.gov.in I I T, Delhi
11. Ergonomic Applications in Interior Design
12. Functional Clothing
13. Content Development and Food Labelling
14. Emerging Technologies for Personalized Nutrition
15. Sports Nutrition

Content for reading electives along with course outcomes and suggested reading material have been given in Annexure IV.

4. No Home Science courses are running in the other programs of the Vidyapith except foundation and vocational courses. Foundation /Vocational Courses run by faculty have also been reviewed in the light of discussion with Foundation course committee. To bring uniformity in credits of foundation courses, the Board recommended that all courses will be of 2 credits. Accordingly content has been revised as per $\bf Annexure\ V$.

- 5. Most of the examiners reported answers as satisfactory and to the point which helps to conclude that most students demonstrated their understanding of the key knowledge of their respective subject. Few (around 10%) examiners reported the answers to be vague and diffused, Very few (5%) suggested that answers should be more focused/ use of technical language/improvement in language/ better articulation. **Annexure VI**
- 6. Total 105 Question papers of last five years were evaluated for their appropriateness. The overall quality of question papers was found to be good, so as to judge an average student's knowledge and skill. The distribution of marks was found suitable for the content of the question drafted. All the question papers were found to cover all the contents of the syllabus evenly. The pattern followed in drafting the papers at undergraduate level was mostly conventional, and questions were mainly direct and information based, requiring descriptive and subjective answers. Some of the UG papers had a limited number of application based questions. The questions were found to be framed in simple and easy to understand language. A considerable portion of question papers of postgraduate programmes was found to have both application based and analytical questions, suitable enough to require a good amount of mental effort by the students while answering them, providing them opportunities to utilize their competence, not just the content knowledge. The content of the questions has changed slightly from being information based to application based over the years. The overall quality of question papers was found to be consistent and no deterioration observed through the years. **Annexure VI I**

Meeting ended with vote of thanks to the chair.

Annexure I (a)

Programme Scheme: B.A.

C	 	

Existing					
Course Code	Course Name	L	T	P	С
HSC101	Basics of Home Science and Resource Management	6	0	0	6
HSC108 L	Interior Decoration Lab	0	0	4	2
	Total	6	0	4	8

Competer	1
Semester	

	Existing				
Course Code	Course Name	L	T	P	С
HSC102	Basics of Human Development	4	0	0	4
HSC107	Fundamentals of Foods and Nutrition	4	0	0	4
	Total	8	0	0	8

Semester III

Existing					
Course Code	Course Name	L	T	P	С
HSC215	Nutrition in Health and	6	0	0	6
	Disease				
HSC205L	Food and Nutrition Lab	_	_		_
		0	0	4	2
	Total	6	0	4	8

Semester IV

	Existing				
Course Code	Course Name	L	T	P	С
HSC210	Introduction to Community Nutrition and Extension	4	0	0	4
HSC212	Life Span Development	4	0	0	4
	Total	8	0	0	8

Semester V

Existing					
Course Code	Course Name	L	T	P	С
HSC308	Introduction to Textiles	4	0	0	4
HSC305	Family Dynamics and Parent Education	4	0	0	4
	Total	8	0	0	8

Semester VI

Existing					
Course Code	Course Name	L	T	P	C
HSC307	Introduction to Clothing	4	0	0	4
HSC312L	Textile Care and Clothing Construction Lab	0	0	8	4
	Total	4	0	8	8

Proposed					
Course Code	Course Name	L	T	P	С
HSC101	Basics of Home Science and Resource Management	6	0	0	6
HSC108 L	Interior Decoration Lab	0	0	4	2
	Total	6	0	4	8

	Proposed				
Course Code	Course Name	L	T	P	С
HSC102	Basics of Human Development	4	0	0	4
HSC107	Fundamentals of Foods and Nutrition	4	0	0	4
	Total	8	0	0	8

Proposed					
Course Code	Course Name	L	T	P	С
HSC215	Nutrition in Health and Disease	6	0	0	6
HSC205L	Food and Nutrition Lab	0	0	4	2
	Total	6	0	4	8

	Proposed				
Course Code	Course Name	L	T	P	С
HSC210	Introduction to Community Nutrition and Extension	4	0	0	4
HSC212	Life Span Development	4	0	0	4
	Total	8	0	0	8

Proposed					
Course Code	Course Name	L	T	P	С
HSC308	Introduction to Textiles	4	0	0	4
	Discipline Elective -I	4	0	4	6
1	Total	8	0	0	8

Proposed					
Course Code	Course Name	L	T	P	С
HSC312L	Textile Care and Clothing Construction Lab	0	0	8	4
	Discipline Elective -II	4	0	4	6
	Total	4	0	8	8

Course code	List of discipline electives
HSC305	Family Dynamics and Parent Education
	Family and Child Welfare (Newly Introdiced)
HSC307	Introduction to Clothing
	Fundamentals of Family Clothing (Newly Introdiced)

Annexure I (b)

Programme: B.A.

S. Course List N.	Learning Outcome	Existing Syllabus	Suggested Syllabus		
1 HSC101 Basics of Home Science and Resource Management	Learning outcomes: Upon completion of the course students will be able to: Interpret concept and scope of Home Science discipline Develop an insight into fundamentals of resource and their management		 Bansal, I., & Kumari, C. (2010). Home Science: An Introduction. Newai (Raj): Navjeevan Publishers. Chandra, A. (1978). Introduction to Home Science. New Delhi: Metropolitan Book Company, Ltd. Daecon, R.E., & Firebaugh, F.M. (1975). Context and concepts of Management. USA: Houghton Miffin Company. Gross, I.H., & Crandall, E.W. (1980). Management for modern families (3rd ed.). New Jersey: Prentice Hall Inc. Engle Wood Cliffs. Jain, V. (2002). Grih Prabandh, Sadhan Vyavastha awem aantrik sazza. Jaipur: Abhishek Publication. Koontz, H., & Weihrich, H. (2009). Essentials of Management. New Delhi: Tata McGraw Hill Publishing Co. Ltd. Patni, M., & Sharma, L. (2017). Grih prabandh (25thed.). Agra: Star Publication. Stoner, J.,Freeman,R., & Gilbert, D. (1995). Management (6thed.). New Delhi: Prentice Hall of India Pvt. Ltd. Tripathy, P.C., & Reddy, P.N. (2001). Principles of Management. New Delhi: Tata McGraw Hill Publishing Co. Ltd. Wangundy, A.B. (1981). Techniques of structured problem solving. New York: Van Nostrand Reinhold Company. 		

HSC108 L Interior Decoration Lab	Learning outcomes: Upon completion of the course students will be able to: Design and draw floor plans to meet a given set of requirements Apply informed judgments in designing interiors	
HSC102 Basics of Human Development	Learning outcomes: Upon completion of the course students will be able to:	References: 1. Gupt Ram Babu (1996). Vikasatmak Monovigyan, Agra: Ratan
	 Get insight into concept and various aspects of Human Development Appraise concerns and issues related to parenting and development aspects Relate theories to developmental aspects 	1. Gupt Ram Babu (1996). Vikasatmak Monovigyan, Agra: Ratan Prakashan Mandir, 2. Hurlock Elizabeth B. – Bal Manovigyan (5th & 6th Edition), New Delhi: Tata Mc Graw Hill. 3. Hurlock Elizabeth B. (1978). Child Development (6th ed.). New Delhi: Mc. Graw Hill Publishers Ltd 4. Laura.E.Berk (2013). Child Development. Illinois: Pearson. 5. Musson P., Conger J.J., Kegan J. and Haston A.C. (1990). Child Development and Personality. New York: Harper & Row. 6. Singh Vrinda Manav Vikas evam Parivarik Sambandh. Jaipur: Panchsheel Parkashan. 7. Verma, Priti, & Srivastava, D.N. (1996). Bal Manovigyan – Bal Vikas. Agra: Vinod Pustak Mandir,.
HSC107 Fundamentals	Learning outcomes:	References:
of Foods and Nutrition	Upon completion of the course students will be able to: Describe the functions of food and role of various nutrients, dietary requirement of various nutrients, and effect of deficiencies and excesses Explain the methods of food preparation and principles applied in food preservation. Apply and incorporate the knowledge of nutritional requirement in various life stages.	 Khanna, K., Gupta S, Mahna R, Puri S, Seth R and Passi SJ. (1997). Text book of Nutrition & Dietetics. New Delhi: Phoenix Publishing House Pvt. Ltd Mehtab, S. Bamji, K. Krishnawamy and GNV Brahmam. (1996). Text Book of Human Nutrition, New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd Sharma, V. (1995). Food & Nutrition Science (2nd ed.). Meerut: Loyal Book House. Singh, V. (2006). Food & Nutrition Science (3rd ed.). Jaipur: Panchsheel Prakashan. Srilakshmi, B. (2004). Nutrition Science, New Delhi: New Age International Pvt. Ltd. Swaminathan, M. (1985). Essentials of Foods and Nutrition Vol.1 Madras: Ganesh and Co. Wilson, E.D., Fisher K. H. & Fuqua M.E. (1975). Principles of Nutrition. Canada: John Wiley and Sons.

		E- resources:
		Function of food, food groups, food chart https://www.slideshare.net/chefkaushal84/food-56547837 Methods of cooking https://www.slideshare.net/laurahuang/methods-of-cooking-ppt-5914731 Importance of nutrition, consumer rights, special diets, menu panning https://www.slideshare.net/itchomecare/8-nutrition-and-food-preparation-15193848
HSC 205 L Food and Nutrition Lab	Learning outcomes: Upon completion of the course students will be able to: Plan and prepare different types and specific nutrient rich diets using different cooking methods Plan and prepare diets for various disease conditions Prepare food products using various preservation methods	
HSC215 Nutrition in Health and Disease	Learning outcomes: Upon completion of the course students will be able to: Describe the role of nutrition and nutrients in health, disease and various life stages Explain the causes of food spoilage and types of food preservation Apply and incorporate the knowledge of therapeutic diet for various disease conditions	References: 1. Khanna, K, Gupta S.,Mahna R,Puri S,Seth R and Passi SJ. (1997). Text book of Nutrition & Dietetics. New Delhi: Phoenix Publishing House Pvt. Ltd 2. Sharma,V. (1995). Food & Nutrition Science (3 rd ed.). Meerut: Loyal Book House. 3. Singh,V. (2006). Food & Nutrition Science (3 rd ed.). Jaipur: Panchsheel Prakashan. 4. Srilakshmi, B. (2004). Nutrition Science. New Delhi: New Age International Pvt. Limited. 5. Swaminathan, M. (1985). Essentials of Foods and Nutrition Vol.2 Madras: Ganesh and Co E- resources:
		Causes of food spoilage, sources, factors and its prevention https://www.slideshare.net/MAMATHESH/food-spoilage-microbiology Therapeutic diet in various diseases https://www.slideshare.net/sapnamanger/therapeutic-diet Basic nutrition https://www.slideshare.net/jinulazer/ppt-on-nutrients

HSC210 Introduction to	Learning outcomes:	References:	
Community Nutrition	-		
and Extension	Upon completion of the course students will be able to: Explain the linkages between nutrition,	1. Bamji, M. S., Rao, P.N., & Reddy, V. (1996). <i>Text book of Human Nutrition</i> . New Delhi : Oxford and IBH publishing Co Pvt. Ltd.	
	environment, health and disease Recognize the importance of	2. Bhargava, B. (1999). <i>Parivarik Swastha avm samajik Kalyan</i> (2 nd ed.). Jaipur: University Book House Pvt. Ltd.	
	malnutrition as a conditioning factor in relation to many diseases in community	3. Dhama, O.P., & Bhatnagar, O.P. (2010). Education and communication for development. New Delhi: Oxford & IBH Publishing Co.	
	national & international agencies in community nutrition	4. Harpilini, B.D. (1994). <i>Grahavigyan mai Prasar Shiksha</i> . Agra: Star Publication.	
	 Explain importance of extension programmes for the betterment of QOL in rural areas and develop skills for effective communication 	5. Kalla, P. N., & Gakkhar, A. (2010). New Dimension of Extension and Communication. Jaipur: University Book House.	
	Tot enecute communication	6. Kalla, P.N., & Gakkhar, A. (2005). <i>Prasar Shiksha ke naye Aayam.</i> Jaipur: Hindi Granth Academy.	
		7. Singh, V. (2005). <i>Food and Nutrition Science</i> (3rd ed.). Jaipur : Panchsheel Prakashan.	
HSC212 Life Span Development	Learning outcomes: Upon completion of the course students will be	References:	
	 able to: Understand important aspects of development during the whole life span Understand the issues faced and 	 Cole, M., & Cole, S. (1995). The Development of Children. New York, NY: Freeman & Co. Craig, G. (1999). Human Development. New Jersey, NJ: Prentice Hall. 	
	adjustments required at each stage across the life span	 Gupt, R. (1998). Matra Kala Shishu Palan avem Bal Vikas. Agra: Ratan Prakashan Mandir. Hurlock, E.B. (1978). Child Development (6th ed.). New York: McGraw Hill Ltd. Hurlock, E.B. (1980). Developmental Psychology – A life span 	
		Approach (5th ed.). New York, NY: Tata McGraw Hill Publishing Co. Ltd. 6. Hurlock, E.B. (1990). Vikas Manovigyan. Pratham	
		Khand/Dutiya Khand, Hindi Madhyam Karyanvay Nideshalaya, Delhi University Dwara Prakashit. 7. Verma, P. & Srivastava, D.N. (1996). <i>Bal Manovigyan – Bal Vikas</i> . Agra: Vinod Pustak Mandir.	
		E-resources:	
		Life Span Development www.pdfdrive.com/life-span-development-e33437743.html	

		Life-Span Human Development www.pdfdrive.com/life-span-human-development-e58160481.html Life-Span Human Development 7 th Edition www.pdfdrive.com/life-span-human-development-7th-ed-e901075.html	
HSC308 Introduction to Textiles	Learning outcomes: Upon completion of the course students will be able to: Get basic knowledge about different fibers used in textile Industry, their physical and chemical characteristics and end use Identify different methods of yarn and fabric manufacturing and their characteristics and utility Analyze different techniques used to enrich the surface of fabric through dyeing and printing and finishing Discuss the use of different types of washing methods, equipments and different agents used in care and maintenance of fabric Evaluate different practices involved in Textile Industry and at household level	1. Corbman, B. P. (1985). Textile Fibres to Fabric. New Delhi: Gregg Division - Mc. Graw Hill Inc. 2. Dantyagi, S. (1967). Fundamentals of Textiles and Their Care. New Delhi: Orient Longman. 3. Deolkar, D. (1971). Household Textiles and Laundry Work. New Delhi: Atmaram and sons. 4. Hollen, N. & Saddler, J. (1964). Textile. (5th ed.). New York, NY: Mc. Millan Publishing Co. 5. Joseph, L. M. (1986). Introductory Textile Science. America: Halt, Rinehart and Winston. 6. Kadolph, S. J. & Langbord, A. L. (11th ed.). (2014). Textiles, New Jersy: Prentice - Hall Inc. 7. Tortora, P.G. (1978). Understanding Textiles, New York, NY: Macmillan Publishing Company.	
HSC312 L Textile care and clothing construction Lab.	Learning outcomes: Upon completion of the course students will be able to: Learn basic garment construction and embroidery skills Use learned skills in garment construction for different age groups and figure types Learn basic knitting stitches and their use for knitting different garments Apply theory in taking care of household textiles and garments		

HSC305 Family	Learning outcomes:	References:
Dynamics and Parent Education	Upon completion of the course students will be able to: Gain information about importance, problems and adjustment in marriage life and family Attain knowledge about role of parents and their involvement for overall development of the child Get awareness about parent and community education for betterment of society	 Bhushan V, & Sachdeva R. (1983). Introduction to Sociology. Allahabad: Kitab Mahal. Gupt R.B. (1996). Vikasatmak Manovigyan. Agra: Ratan Prakashan Mandir. Mukharjee, R.K. (1979). Indian Society. Jaipur, Chaura Rasta: College Book Centre. Rice F.P. (1983). Marriage and Family. Boston: Allyn & Bacan. Schaefer, C.E., & Millman, H.L. (1981). How to Help Children with Common Problems. New York, NY: New American Library. Tomar, R. B. (1976). Parivarik Samaj Shastra. Agra: Shree Ram Mehra & Co.
		E-resources:
		Building Stronger Marriages and Families
		https://www.pdfdrive.com/building-stronger-marriages-and-families-e22030924.html
		Community Education as a Home for Family Support and Education Programs.
		https://www.pdfdrive.com/community-education-as-a-home-for-family-support-and-education-programs-e36264845.html
		Handbook of Parenting Volume 1 Children and Parenting
		https://www.pdfdrive.com/handbook-of-parenting-volume-1-children-and-parenting-e19245564.html
		Marriage and Family
		https://www.pdfdrive.com/marriage-and-family-e26425302.html
		Parenting With Love and Logic: Teaching Children Responsibility
		https://www.pdfdrive.com/parenting-with-love-and-logic-teaching-children-responsibility-e60737122.html
		Principles of Marriage and Family Ethics

https://www.pdfdrive.com/principles-of-marriage-and-family-ethics-

		e27057361.html
		The Conscious Parent: Transforming Ourselves, Empowering Our Children https://www.pdfdrive.com/the-conscious-parent-transforming-ourselves-empowering-our-children-e60737120.html
Family and Child Welfare	Learning outcomes: Upon completion of the course students will be able to Get an insight into the family as a social system Understand about the family disharmony due to changing socioeconeconic conditions in the country. Gain an understanding of the needs and problems of children, youth, women, the aged and the family as a whole.	Unit- I 1. Changing pattern of family in India: Structural and functional changes as result of modernization 2. Causes and effects of family disharmony 3. Implications of family changes: Female headed households, Single –parent families, Families with working women DINK families
	Acquire knowledge about welfare services for family and children India	Unit- II
		Problems and needs of families in specific situations Families affected by natural calamities – earthquake, flood, famine. Families affected by war, riots and terrorism. Families with chronically ill patients and disabilities Families in extreme poverty conditions Families with marital discord. Migrant families Families with adopted children
		Unit –III 1. Issue related to children- Health and nutrition, literacy and education, drop outs, recreation, self help and vocational
		training. 2. Children in difficult circumstances – Gender disparities, lactch key children, homeless children, abused children, young offenders
		Children in conflict with self and others : emotional and psychological aspects

	Unit – IV 1. Situation of women in India: health, reproductive health and nutrition, education, employment, sexual harassment and domestic violence, role of conflict in women, marginalization of women – widows, divorced, deserted women, women with dependent children 2. Problems of adolescents and youth: substance abuse, unemployment, antisocial active 3. Specific problems of aging population: health and medical care, housing and family support and financial assistance
	Unit V 1. Welfare programmes: meaning, need and status in India 2. Different types of welfare programme pertaining to family in India: Maternal and child help services Institutional services for women and children in distress Services for children with disabilities and youth Services for aged
	References:
	 Augustine, J.S. (Ed) (1992): The Indian family in transition, New Delhi: Vikas Publishing House, Unit I & II (entire book) Bhatia, M.S. (1993) Ageing and Society, Udaipur: Arya's Book Centers. Unit IX. Chapter III to VIII, pp40-208 Desai, K.G. (Ed.) (1988): Ageing in India, Bombay: Tata institute of Social Sciences. Unit IX (entire book) Desai, N. and Krishnaraj, M(1987): Women and society in India, Delhi: Ajanta Publications, Unit IV (entire book). NIPCCD (1994): Child in India: A statistical profile, New Delhi NIPCCD Sinha, J.MP. (1989): Problems of Ageing, New Delhi: Classical Publishing company, Unit IX, Chapter V pp 63-98 TISS (1991): Research in Families with problems in India, Volume I and II Bombay: TISS Unit V, Part IV pp147-187, 204-246, Vol II Part I, pp 269-289, 299-312 UNICEF (1990): Children and Women in India: A Situation Analysis Unit VI, VII. Choudhary D.P. (1985): Child welfare development, Atma Ram & Son Delhi

		10. Acchpal, B and Verma, A (1988): Towards better Families : An intergrated approache to Family Life Education, Baroda
HSC307 Introduction to Clothing	Learning outcomes: Upon completion of the course students will be able to: Understand the basic essentials of clothing construction Assess the various steps involved in the process of garment making Gain the skills required for apparel construction	References: 1. Bendell, P. & Reader's Digest (1995). Complete guide to sewing. Montreal. Canada: Penguin printing trade Ltd. 2. Doongaji, (2002). Basic processes of clothing construction. Delhi: Raaj Prakashan. 3. Mc-Call's (1963). Sewing Book. New York: Random House, Inc. 4. Smith, A. (1981). Sew simple: A step by step guide to dress making. Hutchinson, MA: English Sewing Ltd.
Fundamentals of Family Clothing	Learning outcomes: Upon completion of the course, the students will be able to: Describe the selection factors for fabrics and clothes of individuals of different age group. Understand specific property of fabric required for different types of garments. Elaborate various functions of clothing. Use different principles and elements of art while selecting or designing dress for different figure types.	Unit I Selection of fabric for different garments. Garment type and their selection- outer garments and under garments. Readymade and home made garments. Unit II Family clothing decisions- steps and factors. Family wardrobe principles- community, budget, occasion, climate, occupation, interest, size, composition of the family, fashion, quality and accessories. Unit III Body measurements and proportion, figure types. Principles and elements of art in clothing design. Preparation of fabric for garment cutting. Layout types and cutting of the fabric. Unit IV Sociological, physical and psychological aspect of clothing. Factors influencing consumption of textiles Unit V Children's clothes: selection of fabrics, design, colour for children garments according to age. Clothing for adolescence, middle age and old age. References: • Tate, M.T. and Glisson, O. (1967). Family clothing. New York: John Wiley and Sons. • Lewis, D.S. & Bowers, M.G. (1960). Clothing construction and wardrobe planning. New York: Macmillan Book Company. • Wingate, Isabel B. (1965). Textile Fabrics and Their Selection. London: Prentice-Hall, INC. • Alexander (1972). Textile Products, Selection, Use and Care. London: Miffen Co. • Frings, G.S. (1999). Fashion from concept to Consumer. New Jersey: Prentice Hall.

Name of the programme: B.sc. (Home Science)

HOME SCIENCE PROGRAMME

The quality of life of society and the family determines positive functioning. Home Science has a vital role to play in increasing the capacity of the family and the community. At Banasthali Vidyapith, the faculty of Home Science strives to work dedicatedly towards women's empowerment through socially-relevant, holistic, interdisciplinary education, in keeping with its unique philosophy of Panchmukhi Shiksha (Five fold education). Home Science curriculum is offered in a composite form as per the development trends incorporating multi-disciplinary skills, linking the general studies with professional courses integrating theory and practice, and flexibility to the credit based system to meet the challenges in Indian ethos and global context. The curriculum is continually innovated to make it globally valuable, locally relevant and responsive to the changing times and needs. The course sensitizes students to the needs of others, especially of those less advantaged, and fosters a service orientation. The faculty also aims to contribute to the national and international knowledge base in Home Science and allied fields. Due emphasis has always been given to the skill development and enhancement in the students. The degrees offered by the faculty include B.Sc. (Home Science) and M.Sc. (Home Science) in Food Science and Nutrition, Human Development and Clothing and Textile. PhD is awarded in all the five branches of Home Science. Home Science is also offered as a subject in B. A. programme.

Program Educational objectives:

Objectives of the Home Science programme are

- To acquaint students with interdisciplinary nature of Home Science as an integrated body of knowledge, all interwoven to enhance the quality of life, and multidisciplinary nature of subjects dealing with art and science of living
- To provide education through integrated approach of combining theory, practical, and field work emphasizing gender neutral, family focus, region specific and career perspective
- To prepare students to become actively involved in local and regional professional service activities which allow continuous initiative for empowering the individual, family and community
- To inculcate scientific thinking to undertake research projects of national and international recognition and publish multidisciplinary papers

Programme Outcomes:

PO1 Knowledge – Have knowledge and holistic understanding of the core courses related to Home Science including Human Development, Foods and Nutrition, Clothing and Textile, Human Management, Extension Education and Communication; and basic courses

associated with discipline of Home Science, including Social Sciences, Biological sciences, Physical sciences, Technology and Management.

PO2 Planning Abilities- Apply skills in designing, implementing, monitoring and evaluating programmes effectively for individuals, family, community, and for vulnerable groups of society.

PO3 Problem Analysis- Solve problems concerning home ,family , and society for ensured physical and mental health in the changing socio-economic scenario viz. dietary problems, behavioral problems, clothing problems, social problems by applying scientific methods; through critical thinking, assessing, analyzing, finding appropriate solutions and taking decisions

PO4 Modern Tool Usage- ability to select and use appropriate methods and procedures; tools and equipments; raw materials and other resources for knowledge, skill enhancement, designing and creation of new products, assessment and evaluation

PO5 Leadership Skills- apply leadership skills; inspiring, taking responsibility, delegating tasks while working in a team, communicating with other teams, providing guidance to lesser skilled in various settings be it family, industry or institutions or carrying out research projects

PO6 Professional Identity- Take various professional roles in industries, govt./non-govt. organizations, institutes as educators, entrepreneurs, counselors, social workers, consultants, designers, researchers and exhibit competencies & skills

PO7 Ethics- Apply ethical practices while data collection, and conducting experiments; involving human beings as well as animals, delivering professional responsibilities

PO8 Communication- Use soft skills for clear , accurate, unambiguous effective communication using verbal and non-verbal skills at inter / intra personal and professional level

PO9 Home Science and Society- Apply knowledge and competencies developed as graduates to impart knowledge, identify, analyze and address family and societal issues to improve quality of life of individual, family and society as a whole, also covering marginalized and vulnerable groups of society.

PO10 Environment and Sustainability- Critically evaluate impact of household and industrial practices on environment. Appreciate use of sustainable practices for improved physical, emotional, social, psychological environment at micro / macro level

PO11 Life Long learning – ability to reason out, learn and improve oneself in the changing dynamic scenario by strengthening the strength and weakening of weaknesses for sustainable developmental needs, technological changes, career requirements and new avenues.

PO12 Project- Provide opportunity to students to get acquainted with innovative projects and develop skills to plan and undertake intervention projects.

Program specific outcomes:

Upon graduation the students will be able to

- Apply academic knowledge for commercial application with an entrepreneurial base
- Transfer knowledge from class room to laboratory and from laboratory to field
- Extend their competencies and work to the community and vulnerable group thus leading to social and economic development
- Apply multiple investigative skills with a spirit of inquiry for a wider options to choose from higher studies to variety of career options

Programme Scheme:

B.Sc. (Home Science)

Semester: I

Existing					
Course Code	Course Name	L	Т	P	С
BVF 004	Modern English Language	2	0	0	2
BVF 003	Indian Heritage	2	0	0	2
HSC 111	Introduction to Home Science	4	0	0	4
HSC 106	Fundamentals of Bio- Chemistry and Microbiology	4	0	0	4
HSC 106L	Fundamentals of Bio- Chemistry and Microbiology-	0	0	2	1
HSC 103	Elementary Human Physiology	4	0	0	4
HSC 103L	Elementary Human Physiology	0	0	2	1
HSC 112	Introduction to Human Development	4	0	0	4
HSC 114	Textiles and Their Care	4	0	0	4
HSC 114L	Textiles and Their Care	0	0	4	2
	Total	24	0	8	28

Proposed					
Course Code	Course Name	L	Т	P	С
	General English	2	0	0	2
	Indian Cultural Heritage	2	0	0	2
HSC 103 / 103L	Elementary Human Physiology	4	0	2	5
HSC 106 / 106L	Fundamentals of Bio- Chemistry and Microbiology	4	0	2	5
HSC 111	Introduction to Home Science	4	0	0	4
HSC 112	Introduction to Human Development	4	0	0	4
HSC 114 / 114L	Textiles and Their Care	4	0	4	6
	Total	24		8	28

Semester: II

	Existing				
Course Code	Course Name	L	Т	P	С
BVF 005	Modern Hindi Language	2	0	0	2
BVF 002	Environment Studies	2	0	0	2
HSC 110	Introduction to Extension Education	4	0	0	4
HSC 104	Elements of Food Science	4	0	0	4
HSC 104L	Elements of Food Science	0	0	4	2
HSC 113	Life Span Development -I (Prenatal to Early Childhood)	4	0	0	4
HSC 109	Interior Designing and Decoration	4	0	0	4
HSC 109L	Interior Designing and Decoration	0	0	4	2
HSC 105	Fabric Construction	4	0	0	4
	Total	24	0	8	28

	Proposed						
Course Code	Course Name	P	С				
	General Hindi	0	2				
BVF 002	Environment Studies	2	0	0	2		
HSC 104 / 104L	Elements of Food Science	4	0	4	6		
HSC 105	Fabric Construction	0	0	4			
HSC 109 / 109L	Interior Designing and Decoration	4	0	4	6		
HSC 110	Introduction to Extension Education		0	0	4		
HSC 113	113 Life Span Development -I (Prenatal to Early Childhood)		0	0	4		
	Total	24	0	8	28		

Semester: III

Semester: III								
Existing Course Course Name L T P C								
Course Code	Course Name	P	С					
BVF 007R	Selected Writing for Self Study- I	2	0	0	2			
BVF 001	Elements of Management	3	0	0	3			
HSC 206	Food Preservation and Protection	4	0	0	4			
HSC 209	Human Nutrition and Meal Planning	4	0	0	4			
HSC 209L	Human Nutrition and Meal Planning- Laboratory	0	0	4	2			
HSC 211	Introduction to Resource Management	4	0	0	4			
HSC 207	Fundamentals of Clothing Construction	4	0	0	4			
HSC207L	Fundamentals of Clothing Construction-	0	4	2				
HSC 213	Life Span Development- II (Middle Childhood to Old Age)	4	0	0	4			
	Total	25	0	8	29			

Proposed							
Course Code	Course Name	L	T	P	С		
BVF 006	Parenthood and Family Relation	2	0	0	2		
	Elective Foundation Course - I	2	0	0	2		
HSC 206	Food Preservation and Protection	4	0	0	4		
HSC 207 / 207L	Fundamentals of Clothing Construction	4	0	4	6		
HSC 209 / 209L	Human Nutrition and Meal Planning	4	0	4	6		
HSC 211	Introduction to Resource Management		0	0	4		
HSC 213	213 Life Span Development- II (Middle Childhood to Old Age)		0	0	4		
	Total	24	0	8	28		

Semester: IV

Existing							
Course	Course Name	L	T	P	C		
Code							
BVF	Selected Writing for Self	2	0	0	2		
008R	Study- II						
BVF 009	Women in Indian Society	3	0	0	3		
HSC 214	Nutrition for Vulnerable	4	0	0	4		
	Groups						
HSC 201	Communication Process	4	0	0	4		
HSC	Communication Process-	0	0	4	2		
201L	Laboratory						
HSC 202	Family Clothing	4	0	0	4		
HSC	Family Clothing- Laboratory	0	0	4	2		
202L							
HSC 203	Family Dynamics	3	0	0	3		
*HSC	Family Dynamics-	0	0	2	1		
203L	Laboratory						
HSC 208	Guiding Child Behaviour	3	0	0	3		
*HSC	Guiding Child Behaviour-	0	0	2	1		
208L	Laboratory						
	Total	23	0	12	29		

*Common practical examination f	for HSC 203L and HSC 208L.
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Proposed					
Course	Course Name	L	T	P	C
Code					
BVF 009	Women in Indian Society	2	0	0	2
B V 1 007	Elective Foundation Course - II	0	0	2	
HSC 201 201L	Communication Process	4	0	4	6
HSC 202 / 202L	Family Clothing	4	0	4	6
HSC 203 / 203L	Family Dynamics	3	0	2	4
HSC 208 / 208L	Guiding Child Behaviour	3	0	2	4
HSC 214	Nutrition for Vulnerable Groups	4	0	0	4
	Total	22	0	12	28

Semester: V

	Existing						
Course Code	Course Name	L	T	P	С		
	Vocational Elective - I	2	0	0	2		
HSC301	Assessment of Nutritional Status	4	0	0	4		
HSC301 L	Assessment of Nutritional Status	0	0	4	2		
HSC303	Dyeing, Printing and Finishing	3	0	0	3		
HSC309	Introduction to work Study	4	0	0	4		
HSC310	Methods and Material for child Study	4	0	0	4		
HSC310 L	Methods and Material for child Study	0	0	4	2		
HSC313	Textile Designing	3	0	0	3		
HSC315 L	Surface Ornamentation techniques for textile	0	0	4	2		

	Proposed						
Course Code	Course Name	L	T	P	С		
	Vocational Course - I	2	0	0	2		
	Selected Writings of Great Authors - I	2	0	0	2		
HSC301 / 301L	Assessment of Nutritional Status	4	0	4	6		
HSC303	Dyeing, Printing and Finishing	3	0	0	3		
HSC313	Textile Designing	3	0	0	3		
HSC315 L	Surface Ornamentation Techniques for Textile Lab	0	0	4	2		
HSC310 /310 L			0	4	6		
			0	0	4		
	Total	22	0	12	28		

Semester: VI

Existing							
Course Code	Course Name	L	Т	P	С		
	Vocational Elective - II	2	0	0	2		
HSC302	Diet Therapy	4	0	0	4		
HSC302L	Diet Therapy	0	0	2	1		
HSC304	Early Childhood 4 0 Education				4		
HSC304L	Early Childhood Education	0	0	4	2		
HSC306	Fashion Dynamics & illustration	3	0	0	3		
HSC306 L	Fashion Dynamics & illustration	0	0	4	2		
HSC311	Nutritional Biochemistry	4	0	0	4		
HSC311L	Nutritional Biochemistry	0	0	2	1		
HSC314	Welfare Programmes	3	0	0	3		
	Total	20	0	12	26		

^{*}Common practical examination for HSC 302L and HSC 311L.

	Proposed								
Course Code	Course Name	L	T	P	С				
	Vocational Course - II	2	0	0	2				
	Elective Foundation Course - III	2	0	0	2				
HSC 302/ 302L	Diet Therapy	4	0	2	5				
HSC304 /304L	Early Childhood Education	4	0	4	6				
HSC306/ 306L	Fashion Dynamics & Illustration	3	0	4	5				
HSC314	HSC314 Welfare Programmes		0	0	3				
	Discipline Elective II	4	0	2	5				
	Total	22	0	12	28				

	List of Discipline Electives				
Course code	Course Name	L	T	P	C
HSC309	Introduction to work Study		0	0	4
	Behaviour Change Communication (Newly Introduced)	4	0	0	4
	Community Health Management(Newly Introduced)	4	0	0	4
HSC311/ HSC311L	Nutritional Biochemistry	4	0	2	5
/	Ergonomics and Space Management(Newly Introduced)	4	0	2	5
/	Programme Planning and Management(Newly Introduced)	4	0	2	5

* L - Lecture hrs/week; T - Tutorial hrs/week;

P - Project/Practical/Lab/All other non-classroom academic activities, etc. hrs/week; C - Credit Points of the Course Details : (See annexure II b)

Course

Annexure II b

Name of the Programme : B.Sc. (Home Science)

S. No.	Course/ List	Learning Outcome	Existing Syllabus	Suggested Syllabus	Remarks
S. NO.	Course/ List HSC 103/ HSC 103 L Elementary Human Physiology	Upon completion of the course students will be able to: • Describe the functioning of various body organs and integrated functioning of all systems in human body • Examine some basic parameters of human fitness • Apply the knowledge of First Aid in different	Existing Syllabus Unit II (a) Digestive system- Organs of digestive system and their physiology; Role of enzymes in digestion of carbohydrate, protein and fat (b) Excretory System-Organs of excretory system, structure of kidney, formation of urine and its composition	Unit II (a) Digestive system- Organs of digestive system and their physiology; Role of enzymes in digestion of carbohydrate, protein and fat (b) Excretory System-Organs of excretory system, formation of urine and its composition References: 1. Ross & Wilson (1996). Foundations of Anatomy and	Remarks Structure of kidney is a part of organs of excretory system
		situations		Physiology (8 th ed.). New York: Churchill Livingstone, Elsevier 2. Sanghani, P. B. (2012). Human Anatomy and Physiology with health education. New Delhi:Tata Mc Graw Hill Education Private Limited. 3. Sears, W.G., & Winwood, R.S. (1982). Anatomy and Physiology for Nurses, London: Edwards Arnold Publishing Co.Ltd. 4. Tortora, G. J., & Derrickson, B. (2006). Principles of Anatomy and Physiology. USA: John Wiley & Sons. Inc. 5. Waugh, A., & Grant, A. (2014). Anatomy and Physiology in Health and Illness (12th ed.). New York; Churchill Livingstone, Elsevier. E resources	
				Diagram of human body organs - https://in.pinterest.com/pin/429390145695727907/	

				The human body: Anatomy ,facts and functions https://www.livescience.com/37009-human-body.html	
HSC 106 /HSC 106L Fundamentals of Bio - Chemistry and Microbiology	Upon completion of the course students will be able to: • Analyze principles of Biochemistry (as applicable to human nutrition) • Explain chemistry and functions of major nutrients in human body • Discuss nature and role of microbiology • Apply and practice learned information in qualitative analysis of major nutrients, micro organisms in food	Unit I Lipids: Unit II	Introduction and seope of Biochemistry, organic ehemistry as related to biochemistry - functional groups - alcohol, aldehyde, ether, esters, amine, and carboxylic group (Examples from Biochemistry). Carbohydrate: Classification and Nomenclature, chemical structure, properties and functions of mono, di and polysaccharides, colour reactions of Carbohydrates. Classification, structure, properties and functions of fatty acids, triglycerides, sterols and phospholipids. Amino Acids: Properties, structures, classification and functions of essential amino acid Proteins: Classification, structure and fundamental properties of proteins and Functions of Proteins. Vitamins and Minerals: Elementary idea about ehemistry and functions of vitamins A, D, E, K, vitamin B complex (Thiamine, Riboflavin, Niacin, Pyridoxine, Biotin, Folic acid, vitamin B12) and Vitamin C	Unit –I Introduction of Biochemistry Introduction to organic functional groups with examples from biochemistry – alcohol, aldehyde, ether, ester, amine and carboxylic groups Carbohydrate: Classification and nomenclature, chemical structure and functions of mono, di & polysaccharides Carbohydrates as sweeteners Lipids: Chemical structures and functions of lipids Unit II Amino Acids: Classification, structure and functions of Essential Amino Acids Proteins: Classification, structure and functions Unit III Vitamins and Minerals: Chemical names and functions of Fat soluble and Water soluble vitamins - A, D, E and K, Vitamin B Complex (Thiamin, Riboflavin, Niacin, Pyridoxine, Biotin, Folic Acid, Vitamin B ₁₂) and vitamin C (only Basic information)	content has been rewritten to make it more concise

		Eleme	entary idea about major elements	Minerals and trace elements (Macro and Micro Minerals): Calcium,	
		and	d trace elements and their	Phosphorus, Magnesium, Sodium, Chloride, Iron, Iodine, Zinc and	
		functions (Calcium, Phosphorus,		Selenium	
		Iron, Iodine, Zinc, Magnesium,			
		Soc	dium and Chlorine)	Unit IV Introduction to microorganisms:	
	Unit 1	IV A.	Microorganisms -	basic structure of bacteria, virus and fungi (only elementary idea) and	
			Classification (Elementary	general characteristics	
			idea) and their general		
			characteristics.	Benefits and hazards of Microorganisms	
		B.	Microorganisms: Benefits		
			and hazards (a brief	Introduction to Microorganisms found in air and water	
			discussion)		
		C.	Introductory account of Air		
			and water Microbiology.		
	Unit '	V A.	Infection: Kinds of	Unit V Concept of infectious diseases and their mode of transfer	
	infect	tious dise	eases - mode of transfer of		
	infect	tions.		Resistance – Natural résistance (the first line of defense and second line	
		В.	Resistance - Natural	of defense)	
			resistance (the first line of		
			defense, the second line of		
			defense).		
		C.	Immunity - types of	Immunity - Definitions of innate, acquired, active and passive immunity	
			immunity, an introduction to		
			antigens and antibodies,	Concept of immunization,	
			Prophylactic measures	Immunization schedule for children	
			(Antiserum and vaccines)	Importance of cold chain vaccine management	

HSC 111 Introduction	n to Learning outcomes:	Referen	nces:	
Home Science	Upon completion of the course students will be	1.	Aggarwal, J. C. (2004). Educational Psychology. New Delhi:	
	able to:		Vikas Publishing House Pvt. Ltd.	
	 Discuss concept, , historical background and 	 2.	Bansal, I.& Kumari, C. (2009). Home Science: An	
	relationship between Home Science with		Introduction. Banasthali: Navjeevan Press.	
	foundation and supportive courses	3.	Bhushan, B. & Sachdeva, R. (1983). Sociology. , Allahabad:	
	• Explain the scope of different areas of Home		Kitab Mehal.	
	Science	4.	Chandra, A. (1978). Introduction to Home Science. New	
	 Utilize information in designing and 		Delhi: Metropolitan Book Company, Ltd.	
	developing skills needed for further	5.	Chauhan, S.S. (1983). Advanced Educational Psychology.	
	specialization and entrepreneurship		(5th ed.). Agra: Vikas Publishing House, Pvt. Ltd.	
		6.	Devdas, R.P. (1978). Methods of Teaching Home Science.	
			New Delhi: NCERT.	
		7.	Devdas, R.P. (1978). The meaning of Home science. New	
			Delhi: NCERT.	
		8.	Khanka, S.S.(1999). Entrepreneurial Development. New	
			Delhi: S. Chand and Company, Ltd.	
		9.	Sharma, K.R. (2007). Fundamental of Sociology .Chennai:	
			Atlantic Publishers.	
		10.	Verma, S. & Deshpandey, A. (1997). Parivarik Vitt. Shri	
			Saraswati Sadan Mansuri, New Delhi: Hindi Granth	
			Academy.	
		11.	Vidyalankar, S. (1976). Samajshastra. Jaipur: Hindi Granth	
			Academy.	

HSC 112 Introduction to Human Development	Upon completion of the course students will be able to: • Discuss concept and various aspects of Human Development • Explain growth and development of children • Appraise concern and issues related to parenting and development aspects	 2. 3.	ce Book: Gupt, Ram Babu (1996). Vikasatmak Monovigyan. Agra: Ratan Prakashan Mandir Hurlock, Elizabeth B. (1984). Bal Manovigyan (6th ed.). New Delhi: Tata Mc Graw Hill. Hurlock, Elizabeth B. (1978). Child Development (6th ed.). New Delhi: Mc Graw Hill Publishers Ltd.	
	Relate theories to developmental aspects	4.	Mussen, P., Conger J.J., Kagan J. and Haston AC (1990). Child Development and Personality. New York: Harper & Raw.	
HSC 114/ HSC	Learning outcomes:	Referen	ces:	
114LTextiles and Their	Upon completion of the course students will be	1.	Corbman, B.P. (1983). Textiles: Fiber to Fabric (6th ed.). New	
Care	able to		York: McGraw Hill Publication.	
	Select and evaluate textile material critically	2.	Dantyagi, S. (2006). Fundamentals of Textiles and their Care	
	for the specific end use.		(5 th ed.). Delhi: Orient Longman private ltd.	
	• Differentiate among various types of fiber,	3.	Deulkar, D. (1982). Household textiles and Laundry Work.	
	yarns and fabrics that would meet the		Delhi: Atma ram and Sons.	
	requirement of garment and textile industries.	4.	Gohl, E. P. G. & Vilensky, L. D. (1981). Textiles-for modern	
	• Use various types of materials, reagents,	_	living. Melbourne: Longman Cheshire.	
	equipments and processes involved in care of textiles.	5.	Hollen, N. & Saddler, J. (1979). <i>Textiles</i> (5th ed.). New York: MacMillan Publishing Co.	
		6.	E	
	Demonstrate good base knowledge for higher degree program	0.	Joseph, M. L. (1986). <i>Introductory Textile Science</i> . New York: Holt. Rinehart and Winston.	
	degree program	7.	Tortora, G. P. (1978). <i>Understanding Textiles</i> . New York:	
		,.	MacMillan publishing Co.	
		E-resour	1 0	
		1.	Textile fibers classification	
			https://www.textileschool.com/2782/comprehensive-list-of-	
		textile-fil		
		2.	Fancy yarns	
			https://nptel.ac.in/courses/116102038/42	

HSC 104 / HSC 104 L Elements of Food Science	Learning outcomes: Upon completion of the course students will be able to: Explain the chemistry underlying the properties of various food	 Textile fibers: Classification and properties pdf http://bieap.gov.in/Pdf/CGTPaperII.pdf Textile science book http://cbseacademic.nic.in/web_material/Curriculum/Vocation al/2018/Textile%20DesignT&P_XI_829.pdf Textile fibers, dyes, finishes and processes https://www.scribd.com/document/25717442/Textile-Fibers- Dyes-Finishes-and-Processes Mudambi, S., Shalini R.S.& Raw, M. (2007). Food Science, New Delhi: Wiley East limited, Shadak, S.M.&Manay, N.S. (1996). Food Facts & Principles, Wiley Eastern Ltd. New Delhi.
	 components Explain functions of food and identify good sources of nutrients Know the basic concept of food science Apply the various methods of cooking in daily life To make informed judgments in use of different commodities in various food preparations 	 Srilakshmi, B. (1996) .Food Science, New age international Pvt.Ltd. New Delhi. Swaminathan, M. (1987). Food Science Chemistry and Experimental Foods .The Bangalore Printing and publishing Co. ltd. Bangalore.

HSC 105 Fabric	Learning outcomes:	Reference	es:	
Construction	Upon completion the course students will be	1.	Blinov, I. and Belay, S. (1988): Design of Woven Fabrics.	
	able to:		Moscow: Mir Publishers	
	Know different yarn manufacturing	 2.	Corbman, B. P. (1985). Textile Fibres to Fabric. New Delhi:	
	process and their effect on		Gregg Division - Mc. Graw Hill Inc.	
	properties	3.	Grosicki, Z. J. and Watson. (1988). Textile Design and	
	 Understand and relate various fabric 		Colour, London: Newness, Butterworth	
	construction methods with	4.	Hall, A. J. (1975). The Standard Hand Book of Textiles.	
	properties and end use		London: Newness, Butterworth	
	 Describe preparatory processes for 	5.	Hollen, N. and Saddler, J. (1964). Textile. 5 th ed. New York,	
	weaving and develop concept of		Mc. Millan Publishing Co.	
	color and weave effects	6.	Kadolph, S. J. and Langbord, A. L. (2014). Textiles, 11th ed.	
	Explain different simple and		New Jersey: Prentice - Hall Inc.	
	compound weaves	7.	Tortora, P.G., (1978). Understanding Textiles, New York:	
			Macmillan Publishing Company	
		E- resour	rces:	
		•	Fabric Construction,	
			http://download.nos.org/srsec321newE/321-E-Lesson-24.pdf	
		•	Yarn and classification,	
			http://cms.gcg11.ac.in/attachments/article/87/CLASSIFICATI	
			ON%20OF%20YARN.pdf	

HSC 109/ HSC 109 L	Learning outcomes:	References:
Interior Designing and	Upon completion of the course students will be	1. Faulkner and Faulkner (1977). Inside Today's Home. (4 th
Decoration	able to:	ed.).New York: Reinhart & Winston
Decoration	 Compare and relate objects in terms of their aesthetic potentials Analyze factors that create beauty and eloquence in different types of interiors Synthesize elements of art based on principles of design in order to achieve the objectives of design and decoration 	ed.).New York: Reinhart & Winston 2. Kurtz, D. (1987). Visual imagination: An introduction to Art. New Jersey: Prentice Hall Inc. Engle Wood Cliffs 3. Sardana, S.C. (2001). Vaastu Shastra. New Delhi: New Allied Publishers 4. Sutton & Whelan (2004). The Complete Color Harmony. USA: Rockport Publishers Inc. E-resources • Elements and Principles of Art Design https://study.com/academy/lesson/elements-and-principles-of-art- design.html • Basic Elements of Design https://creativemarket.com/blog/10-basic-elements-of-design • Using Illusions in Interior Designing http://www.hamstech.com/blog/using-illusions-in-interior-designing • Vaastu http://www.vaastuinternational.com
HCC 110 L 4 L 1 L		D.C.
HSC 110 Introduction	Learning outcomes:	References:
to Extension Education	Upon completion of the course students will be	1. Chauhan, J. (1996). Prasar Shiksha Aur Soochana Tantra.
	able to: Understand meaning, philosophy and principles of Extension Education and its role in national development Explain Extension models in practice and their scope in facilitating development Design plan of work for need based program	Agra: Isha Publication. 2. Dahama, O.P., & Bhatnagar, O.P. (2010). Education and Communication for Development. New Delhi: Oxford and I BH Publishing Co., Pvt. Ltd. 3. Dubey, V.K., & Bishnoi, I. (2008). Extension Education and Communication. New Delhi: New age International Publishers. 4. Jalihal, K. (2007). Fundamentals of Extension Education and Management in Education. New Delhi: Concept Publishing Company 5. Kalla, P.N., & Gakkhar, A. (2005). Prasar Shiksha Ke Naye

Ready to be part of various developmental programs	 Ayam. Jaipur: Hindi Granth Akadami. Kalla, P.N., & Gakkhar, A. (2010). New Dimension of Extension and Communication. Jaipur: University Book House. Maximun, N. (2006). Understanding Extension Education. New Delhi: Gyan Publishing House Mohanty, S.R. (2017). Home Science Extension Education and Rural Development. Germany: Anchor Academic Publishing. Rajsingh, A., & Saxena, A. (2008). Prasar Siksha me
	House, Pvt. Ltd. 10. Sandhu, A.S. (1993). Text book on Agricultural Communication: Process and Methods. Calcutta: Oxford and IBH Publishing Co. Pvt. Ltd. 11. Sharma, O.P. (2013). Programme Planning and Participatory approaches in Extension. Udaipur: Agrotech Publishing Academy. 12. Singh, U., & Nayak, A. (2007). Extension Education., New Delhi: Commonwealth Publishers. ISBN 817169442. 13. Supe, S.V. (2005). An Introduction to Extension Education. Oxford & IBH Publishing Co. Pvt. Ltd. 14. Vaghmare, S.K.(1980). Teaching Extension Education. Vallabhvidyanagar Gujarat: Prashant Publishers.

HSC 113 Life Span	Learning outcomes:	References:
Development -I	Upon completion of the course students will be	
(Prenatal to early	able to:	1. Berk, L.E. (1996). <i>Child Development</i> . New Delhi: Prentice
childhood years)	Understand various aspects of development from prenatal to early childhood years Assess the issues faced and adjustments required during these years	Hall. 2. Cole, M., & Cole, S. (1995). The Development of Children. NY: Freeman & Co. 3. Hurlock, E.B. (1978). Child Development (6th ed.). New York: Tata McGraw Hill Publishing Company Limited. 4. Hurlock, E.B. (1980). Developmental Psychology - A Life Span Approach (5th ed.). New York: Tata McGraw Hill Publishing Company Limited. 5. Rice, F.P. (1965). Human Development - A Life Span Approach. New Jersey, NJ: Prentice Hall. 6. Santrock, J.W. (2008). Life Span Development. New Delhi: Tata McGraw Hill Companies Pvt. Ltd. E-resources:
		Early childhood development and cognitive development https://www.pdfdrive.com/early-childhood-development-and-cognitive-development-e63805631.html Early childhood development and cognitive development in developing countries https://www.pdfdrive.com/early-childhood-development-and-cognitive-development-in-developing-countries-e124334421.html Effects of Prenatal Stress and Poverty on Fetal Growth https://www.pdfdrive.com/effects-of-prenatal-stress-and-poverty-onfetal-growth-e21046301.html Influence of prenatal stress and postnatal maternal behaviour on child temperament and coping with stress https://www.pdfdrive.com/influence-of-prenatal-stress-and-postnatal-maternal-behaviour-on-child-temperament-and-coping-d57252917.html Prenatal Book

		https://www.pdfdrive.com/prenatal-book-e35457151.html Prenatal maternal stress and child motor development https://www.pdfdrive.com/prenatal-maternal-stress-and-child-motor-development-1-understanding-the-d53948640.html Prenatal, Perinatal & Postnatal Aspects https://www.pdfdrive.com/prenatal-perinatal-postnatal-aspects-e54138046.html
HSC 206 Food	Learning outcomes:	References:
Preservation and Protection	Upon completion of the course students will be able to: Identify and describe causes, principles and methods of food preservation Describe personal hygiene requirements for food handlers for preparing food safely. Know the principles and objectives of various food laws, standards and authority required for safe food marketing.	 Desrosier, N.W.(1977). Elements of food Technology. Connecticut USA: AVI Publishing Co. Frazier, W.C., Westhoff D.C.(2014). Food Microbiology. New York: Mc Graw Hill Book Company. Gould, G.W.(1994). New Methods of food Preservation. London: Black lie Academic and Professional. Swaminathan, M. (1987) Food Science Chemistry and experimental foods. Bangalore: The Bangalore Printing and Publishing Co. Ltd.

HSC 207 / HSC 207 L	Learning outcomes:		References:	
Fundamentals of	Upon completion of the course students will be		1. Ajgaonkar, D.B.(1998). Knitting Technology. Mumbai:	
Clothing Construction	able to:	HSC207 Fundamentals of Clothing	Universal Publication Corp.	
	Understand basic essentials of	Construction	2. Doongaji.(2002). Basic Processes of Clothing Construction.	
	clothing construction and process of		Delhi : RaajPrakashan.	
	garment making		3. Lewis, D.S. (1960). Clothing Construction and Wardrobe	
	Use acquired garment construction		Planning. New York: The Macmillan Company.	
	skills for different age groups and		4. Mazumdar,L. and Vatsala, R.(2004). Text book of	
	figure types		Fundamentals of Clothing Construction. New Delhi: Indian	
			Council of Agricultural Research.	
			5. Mullick, P. (2002). Garment Construction Skills. New Delhi:	
			Kalyani Publishers.	
			Syllabus:	Content has been
			Hand Stitches- Running, basting, back, buttonhole, hemming,	elaborated to
		HSC207L Fundamentals of Clothing	overcasting, ,picko.	make it clear and
		Construction Lab.	Machine Stiches/seams – Plain and it's finishing, french,	unambiguous
		Hand and Machine stitches, Basic embroidery	lapped, run and fell,	anamorgaous
		stitches, seams and seam finishes, Disposal of	decorative seams- slot, piped.	and to avoid
		fullness, Plackets and fastener, Yokes,	Disposal of fullness- darts, pleats, tucks, gathers, smoking,	repetition
		Sleeves, Pockets, Trimmings, Knitting	shirring.	(deleted part is
		Patterns. • Stitching of Apron, Sari Petticoat, Sari	• Pockets- patch, inseam, welt.	already in the
		blouse	Plackets and fasteners.	syllabus of
		blouse	Trimmings, mending,	family clothing
		• Collars, Baby Layette, Romper•Mending.	Sleeves- plain, cap, flared, gathered, puffed,.	HSC202L)
			Collar – baby, cape, Chinese / mandarian/stand/, peterpan,	
			sailor, shirt	
			Yokes- straight, round, V shape, U shape.	
			Stitching of apron and petticoat	
			Embroideries- blanket, buttonhole, bullion knot, chain,	

		couching, french knot, fly, feather, herringbone, lazy daisy, running, stem, satin Knitting patterns	
HSC 209 / HSC 209 L	Learning outcomes:	References:	
Human Nutrition &	Upon completion of the course students will be	1. Khanna, K, Gupta S, Mahna R, Puri S,Seth R. and Passi	
Meal Planning	able to: To describe the functions and sources of nutrients Assess the dietary requirement of various nutrients and effects of deficiencies and excesses. Apply the knowledge in planning and preparation of meals of improved nutritional quality for different groups Evaluate acceptability and serving of food.	S.J.(1997). Text book of Nutrition & Dietetics. New Delhi: Phoenix Publishing House Pvt. Ltd. 2. Mudambi, S.R. (2007). Fundamental of foods, Nutrition and Diet Therapy. Delhi: New age international (P) Ltd 3. Robinson, C.H. (1986). Normal and Therapeutic Nutrition(17th ed.). New York: McMillan Publishing Company. 4. Sharma, S. (2000). Human Nutrition and Meal Planning. New Delhi: Jnanda Publishers. 5. Srilakshmi, B. (2004). Nutrition Science. New Delhi: New Age, International (P) Limited. E resources: Classification of food, balanced diet https://www.slideshare.net/JasminaSangani/meal-planning Types of food services and their advantage https://www.slideshare.net/iamrealmelissa/food-service- 67652942 Dietary requirement for various age groups	

		 Preparation of nutrient rich dishes such as: Protein, Vitamin A, Thiamine, Riboflavin, Niacin, Ascorbic acid, Calcium and Iron Preparation of food products for the use of PEM children Planning and preparing (in groups) balanced diet for different activity levels. Meal serving practice Table setting – Modern and traditional 	
HSC 211 Introduction to Resource Management	Learning outcomes: Upon completion of the course students will be able to: Describe the concepts of management Differentiate various approaches to management Understand process and techniques of decision making	References: 1. Armstrong, M. (2010). A Handbook of Management Techniques. (Revised 3 rd ed.). London: Kogan Page Publishers. 2. Daecon R.E.& Firebaugh F.M. (1975). Context and concepts of Management USA: Houghtion Miffin Company. 3. Gross I.H. & Crandall, E.W. (1980). Management for modern families (3rd ed.). New Jersey: Prentice Hall Inc. Engle Wood Cliffs. 4. Luthans F.(1998). Organizational Behavior. (8 th ed.). New York: Ervin-McGraw Hill. 5. Robbins S.P., Decenzo D.A. (2009). Fundamentals of Management. (6 th ed.). New Jersey: Pearson Prentice Hall. 6. Robbins, S. & Judge, T.A. (2013). Organizational Behavior (15 th ed.). US: Prentice Hall. 7. Stoner, J., Freeman R. & Gilbert D. (1995). Management. (6 th ed.). New Delhi: Prentice Hall of India Pvt. Ltd E- Resources: • Management Theory http://www.technofunc.com/index.php/leadership-skills-2/leadership-amanagement/item/ management-theories	

		Motivation Theories https://www.tankonyvtar.hu/hu/tartalom/tamop412A/2011- 0023_Psychology /030300.scorml	
HSC213 Life Span Development - II : (Middle Childhood to Old age)	Learning outcomes: Upon completion of the course students will be able to: Acquire knowledge related to various aspects of development in different stages of life span. Understand adjustment issues and requirements of different stages from middle childhood to old age.	References: 1. Berk, L.E. (1996). Child Development, New Delhi: Prentice Hall. 2. Cole, M. & Cole, S. (1995). The Development of Children. New York, NY: Freeman & Co. 3. Craig, G. (1999). Human Development. New Jersey, NJ: Prentice Hall. 4. Gardiner, H.W., Mutter, J.D., & Kosmitzki. (1998). Lives Across Cultures. Boston: Allyn & Bacon. 5. Gupta, R. (1998). Matra Kala Shishu Palan avm Bal Vikas. Agra: Ratan Prakashan Mandir. 6. Hurlock, E.B. (1980). Development Psychology: A Life Span Approach (5th ed.). New York: Tata McGraw Hill Publishing Co. Ltd. 7. Hurlock, E.B. (1990). Vikas Manovigyan. Pratham Khand/Dutiya Khand, Hindi Madhyam Karyanvai Nideshalaya, Delhi University Dwara Prakashit. 8. Rice, F.P. (1965). Human Development: A life Span Approach. New Jersey, NJ: Prentice Hall. 9. Santrock, J.W. (2008). Life Span Development. New York: Tata McGraw Hill Companies, Inc. E-resources: • Ageing and old age as a task https://www.pdfdrive.com/ageing-and-old-age-as-a-task-e38334984.html • Aging, Economic Growth, and Old-Age Security in Asia https://www.pdfdrive.com/aging-economic-growth-and-old-age-security-in-asia-e34443523.html	

		socia https early •	Chapter 16 Middle Adulthood: Emotional and Social Development ://www.pdfdrive.com/chapter-16-middle-adulthood-emotional-and- l-development-e7909382.html Factors contributing to life satisfaction in early and middle adulthood ://www.pdfdrive.com/factors-contributing-to-life-satisfaction-inand-middle-adulthood-e32013339.html Physical and Cognitive Development in Middle Adulthood ://www.pdfdrive.com/physical-and-cognitive-development-in- middle-adulthood-e59558323.html
HSC 201 / HSC 201 L Communication Process	Learning outcomes: Upon completion of the course students will be able to: Explain concept and different types of communication Distinguish different approaches of communication Create effective messages to relevant audiences Use appropriate media in different approaches of communication	Refe! 1. 2. 3. 4. 5. 6.	Chauhan, J. (1996). Prasar Shiksha Aur Soochana Tantra. Agra, Isha Publication. Dahama, O.P., & Bhatnagar, O.P. (2010). Education and Communication for Development. New Delhi,Oxford and I BH Publishing Co., Pvt. Ltd. Harpalani, B.D. (1994). Grih Vigyan Mein Prasar Shiksha, Agra, Star Publication. Joseph, M.K. (1996). Modern Media and communication, Sociology and Communication Revolution. (Vol 1),New Delhi, Anmol Publication Pvt. Ltd. Joshi, U.J. (2000). Textbook of Mass Communication. New Delhi, Anmol Publishers. Kalla, P. N., & Gakkhar, A. (2010). New Dimension of Extension and Communication. Jaipur, University Book House. Malhan, P.N. (1992). Communication Media Yesterday, Today and Tomorrow. New Delhi, Ministry of Information

		8.	Mody, B. (1991). Designing messages for Developmental	
		0.	Communication, New Delhi, SAGE Publications.	
		9.	Raines, C., & Williamson, L. (1995). Using Visual Aids- the	
		<i>)</i> .	effective use of type, colour and graphics. New Delhi, Viva	
			books private Ltd.	
		10.	Rajsingh, A., & Saxena, A. (2008). Prasar Siksha me	
		10.	Sampreshan va Nirdesh Takneek. Jaipur, University Book	
			House.	
		11.	Ray, G.L. (1991). Extension Communication & Management.	
		11.		
		10	Calcutta, Naya Prakash.	
		12.	Raydu, C.S. (1993). Media and Communication Management.	
		10	Bombay, Himalaya Publishing House.	
		13.	Sandhu, A. S. (1993). Textbook on agricultural	
			communication, Process and Methods. Culcutta, Oxford and	
			IBH Pub. Co. Pvt. Ltd.	
		14.	Singh, R.P., & Rana, G. (2005). Communication. New Delhi,	
			Ravi Books.	
HSC 202 / HSC 202 L	Learning outcomes:	Reference		
Family Clothing	Upon completion of the course students will be	1.	Chahar(2007). Consumer protection movement in India:	
	able to:		problems and prospects. New Delhi: Kanishka Publishers.	
	Select fabrics and clothes for	2.	Lewis, D.S. & Bowers, M.G.(1960). Clothing construction	
	different age groups.		and wardrobe planning. New York: Macmillan Book	
	Intelligently buy and care garments		Company.	
	and house hold textile materials.	3.	Tate, M.T., and Glisson, O. (1967). Family clothing. New	
	Understand the consumer problems		York : John Wiley and Sons.	
	and their rights	4.	Wingate, Isabel B. (1965). Textile Fabrics and Their	
			Selection. London: Prentice-	
		Hall,INC	2.	

HSC202 L Family Clothing Lab		Drafting, cutting and stitching of clothing for: Infant- Baby layette, Romper. Children- Frock, Shirt/Bushirt, Shorts (Designing and construction with emphasis on growth, comfort, self help features). Adult- Blouse, Kalidar / Simple Kurta, Salwar / Churidar pyjama, Gent's pyjama.
HSC 203 / HSC 203 L Family Dynamics	Learning outcomes: Upon completion of the course students will be able to: • Analyze different aspects of marriage and family in the context of changing socio-economic scenario in the country • Intelligently deal with economic and social issues • Solve family disharmony issues and have positive attitude towards marital and family counseling	References: 1. Augustine, J.S. (1982). The Indian Family in Transition, New Delhi: Vikas Publishing House. 2. Bhatia, H. S. (1983). Aging and society: A sociological study of retired public servants. Udaipur Arya's Book Centre. 3. Chaudhary, J.N. (1988). Divorce in Indian Society. Jaipur: Printwell Publishers. 4. Desai, N. & Krishnaraj, M. (1987). Women and society in India. New Delhi: Ajanta Publications. 5. Devdas, T.S. (1979). Hindu Family and marriage, Madras: University of Botany. 6. Jain, B. S. (1984). Indian society. Jaipur: College Book Center. 7. Kapadia, K.M. (1990). Marriage and family (3rd Ed). Calcutta: Oxford University Press 8. MacIver & Page Charles H. (1952). Society -An introduction analysis. London: Macmillan Co. Ltd. 9. Mukherjee, R. (1979). Indian Society. Jaipur: College Book Center. 10. Rice F. Philips (1983). Marriage and Family.: N.J.: Prentice Hall 11. TISS. (1991). Research in families with problems in India Mumbai: BookPublisher T.I.S.S. 991Description: xvi,587 p

		12. Vidya, B. & Sachdeva, D.R. (1984). Introduction to sociology. New Delhi: Kitab Mahal.
HSC 208/ HSC 208 L	Learning outcomes:	References:
Guiding Child Behavior	Upon completion of the course students will be	
	able to:	1. Harvey, D. (1975). Baby Book. London: Marshall,
	Underline different rearing practices	Cavendish.
	and their implications	2. Hetherington, E. Mavis &Parke, Ross D. (1993). Child
	Analyze various behavioral	Psychology: A Contemporary View Point. NY: McGraw Hill.
	problems and habit disorders under	3. Heward, W. L. & Orlansky, M. D. (1992). Exceptional
	difficult circumstances and	Children. NY: Meryll Publishers.
	exceptionalities	4. Kumar, R.N. (1993). Baby & Child care. New Delhi: UBS
	Analyze a problem, identify	Publishers.
	appropriate guidance strategies and	5. Lynch, Eleemon W & Lewis Rena B. (1988). Exceptional
	effectively handle the problems	children and adults - An introduction to special education.
		Glenview: Scott Foresman and Co.
		6. Schaefer, C.E. & Millman, H.L. (1981). How to help children
		with common problems. New York, NY: Van Nostrand
		Reinhold Company.
		7. 7.Spock, Benjamin (1976). Baby and Child Care. New York:
		Pocket books.

HSC 214 Nutrition for	Learning outcomes:	References:
Vulnerable Groups	Upon completion of the course students will be able to: Have sufficient content — related knowledge base of nutritional requirements of vulnerable groups of society Apply the knowledge to design, implement and evaluate solutions to meet requirements of given set of vulnerable groups with available range of food sources	 Gupta, S. (2006). Text Book of Pediatric Nutrition. New Delhi: Peepee Publishers and Distribution P. Ltd. Ed. Khanna, K. Gupta, S. Mahna, R, Puri, S. Seth, R. and Passi, SJ.(1997). Text book of Nutrition & Dietetics. New Delhi: Phoenix Publishing House Pvt. Ltd Robinson, CH. and Lawler, MR. (1994). Normal and Therapeutic Nutrition. New York: Macmillan.
HSC 301 / HSC 301 L Assessment of Nutritional Status	Learning outcomes: Upon completion of the course students will be able to: Use skills in anthropometric measurements and assessment of nutritional status Conduct dietary surveys in the community Get Employment in different NGO's and government agencies working in the field of nutrition Work independently in the field of community nutrition	References: 1. Bamji, M.S., Rao, P.N., and Reddy, V. (1996) .Text Book of Human Nutrition. New Delhi:Oxford & IBH Publishing Co. Pvt. Ltd. 2. Gibson, R.S. (2005). Assessment of Nutritional Status. New Delhi:Oxford University Press. 3. Jelliffe, D. B. (1966). Assessment of Nutritional Status of the Community. W.H.O. E-resources: • Anthropometry procedures Manual_CDC http://www.cdc.gov/nchs/data/nhanes_07_08/manual_an.pdf • WHO Child Growth Standards - World Health Organization http://www.who.int/child growth/standard

HSC 303 Dyeing,	Learning outcomes:	References:	
Printing and Finishing	Upon completion of the course students will be		
	able to:	1. Alexander (1972). Textile Products: Selection, use and care.	
	Analyze basic elements and	London, UK: Miffin Company.	
	principles of various dyes, prints	2. Corbman, B.P. (1983). Textiles: Fiber to Fabric (6 th ed.). New	
	and finishes.	York, NY: McGraw Hill Publication.	
	Apply knowledge of different dyes,	3. Gohl, E. P. G. & Vilensky, L. D. (2005). Textile Science (2 nd	
	finishes, and style of printing to	ed.). New Delhi, India: CBS Publishers.	
	design various fabrics	4. Hall, A.J. (1980). The standard Handbook of Textiles (8 th ed.).	
	Extend and expand their ideas and	London, UK: Newness Butterworth.	
	creativity in designing	5. Hess, K.P. (1959). Textile fibers and their use (6 th ed.). New	
	Reason about eco-friendly aspects	Delhi, India: Oxford and IBH Publication co.	
	in relation to textile industries and	6. Shenai, V. A. (1985). Technology of Printing: Technology of	
	provide solutions at multiple level	textile processing Mumbai, India: Sevak Publication.	
	of production	7. Shenai, V. A. (1997). History of Textile designs. Mumbai,	
		India: Sevak Publicatios.	
		8. Vidyasagar, P.V. (1998). Handbook of textiles. New Delhi,	
		India: Mittal Publication.	
		9. Watson & William (1998). Textile Design & Colour. Mumbai,	
		India: Bombay University Publication.	
		E-resources:	
		Textile fibers, dyes, finishes and processes	
		https://www.scribd.com/document/25717442/Textile-Fibers-Dyes-	
		Finishes-and-Processes	
		Textile dyeing and Printing	
		https://www.scribd.com/doc/54185948/Textile-Dyeing-and-Printing	
		Classification of dyes	
		https://www.textileschool.com/383/types-of-dyes-classification-based-	
		on-chemical-structure/	
		Method of printing	
		http://eacharya.inflibnet.ac.in/index.php/content/index/57206af18ae36c6	

		781c073ae • Style of printing http://eacharya.inflibnet.ac.in/index.php/content/index/57206af18ae36c6 781c073ac • Textile dyeing industry and environmental hazard https://file.scirp.org/pdf/NS20120100003_72866800.pdf • Impact of dyeing process on environment http://cdn.intechopen.com/pdfs/41411/InTech- Textile_dyes_dyeing_process_and_environmental_impact.pdf • Indian textile industry and environmental issues https://pdfs.semanticscholar.org/7761/d7fca806e9f6fb64d5b1e7aed3e44a 032bbf.pdf
HSC 313 Textile	Learning outcomes:	References:
Designing	Upon completion the course students will be able to: Plan and develop various textile designs using basic elements and principles of design Explore inspiration sources of design for basic sketching and painting Differentiate and develop various types of motifs Use creative and technical skills for designing textiles with special emphasis on applied design Use concept, theories and specification of color in selection of apparels for men, women and children	 Cole, D. (2007). Patterns new surface design. London: Laurence King Publication, Corbman, B.S (1985). Textile fiber to fabric. New Delhi: Mc. Graw Hill Publication Hess, K. P. (1959). Textile fibers and their use. New Delhi: Oxford and IBH Publication company Naik S. D. and Wilson . J. (2006): Surface designing and Textile fabrics. New Delhi:_New age international (P) Limited Publishers Shenai, V. A. (1997). History of Textile Designs. Mumbai: Sevak Publications Terry, A. G. (1979). Printed textile A guide to creative design fundamentals. New Jersey, England: Prentice hall inc. Vidyasagar, P.V.(1998). Handbook of textiles. New Delhi: Mittal Publication Watson and William. (1998). Textile Design and Colour. Mumbai: Bombay University Publication

		E – resources: Elements and principles of design-Slide share, https://www.slideshare.net/admecinstitute/principles-of-design-30520900 Indian Heritage - Textiles of India, http://www.indian-heritage.org/alangaram/textiles/textiles.html How colour notion works – Munsell color system, https://munsell.com/about-munsell-color/how-color-notation-works/	
HSC 315 L Surface Ornamentation Techniques for Textile	Learning outcomes: Upon completion the course students will be Apply knowledge of different dyes, finishes, and style of printing to design various fabrics Use creative and technical skills for designing textiles with special emphasis on applied design		

HSC 310 / HSC 310 L	Learning outcomes:	References:
Methods and Materials	Upon completion of the course students will be	
for Child Study	able to:	1. Santrock W. J. (2008). A tropical approach to Life -Span
	Explain characteristics and	$Development(3^{rd}. ed)$. New Delhi : Tata Mc Graw-Hill Publication
	requirements of different groups of	Company Ltd.
	children	2. Papalia E. Diane (2004). Human Development (9 th ed.). New
	Explain major methods and	Delhi : Mc Graw Hill Education (India) Private Ltd.
	approaches of child study	3. Levine E. Laura (2011). Child Development :An Active
	Design and create play materials	Learning Approach. Los Angeles: Sage Publications.
	and plan learning experiences for	
	promoting various concepts and	
	commutative skills in children	
HSC 302/ HSC 302 L	Learning outcomes:	References:
Diet Therapy	Upon completion of the course students will be	1. Antia, F.P. & Abraham, P. (1973). Clinical dietetics and
Diet Therapy	able to:	nutrition. New Delhi: Oxford University Press.
	Identify the nutritional needs in	2. Khanna, K., Gupta, S., & Passi, S.J. (1997) . Textbook of
	various diseases	Nutrition and Dietetics ., New Delhi : Phoenix Publishing
	Formulate therapeutic diet	House Pvt. Ltd.
	according to disease using	3. Passmore, R., & Eastwood, M. A.(1986). Davidson and
	principles of diet therapy	Passmore Human Nutrition and Dietetics .Churchill
	Apply the knowledge of therapeutic	Livingstone.
	diet for counseling of patients	4. Robinson, C.H., & Lawler, M. (1982). Normal and Theraputic
	Demonstrate the nutritional care in	Nutrition, New Delhi: Oxford IBH Publishing Co.
	community	5. Sharma, S. (2000). Human Nutrition and Meal Planning. New
	community	Delhi: Jnanda Publishers
		6. Srilakshmi, B. (2002). <i>Dietetics</i> : New Age Interantional (p)
		Ltd.
		7. Swaminathan, M.(1985). Fundamentals of Food and
		Nutrition, (Vol.II). Bangalore: Bangalore Printing and
		Publishing Co Ltd
		8. Williams, S.R.(1993). Nutrition and Diet Therapy. St.

WSG 204 / WSG 204		Louis:Times Mirror Mosby College Publishing. E resources Indian chronic kidney disease guidelines http://isn-india.org/images/CKD_1.pdf Dietary Guidelines for Indians http://ninindia.org/DietaryGuidelinesforNINwebsite.pdf ICMR guidelines for management of type 2 diabetes 2018 https://medibulletin.com/wp- content/uploads/2018/05/ICMR.diabetesGuidelines.2018.pdf
HSC 304 / HSC 304 Early Childhood Education	Learning outcomes: Upon completion of the course students will be able to: Explain significance of early childhood years, historical development and philosophical ideas related to early childhood education Get proficiency in planning programmes and curriculum including various components to promote all round development of young children Analyze problems, identify various contemporary issues in ECE and plan innovations	References: Grewal, J.S. (1995). Early Childhood Education. Agra: National Psychological Corporation. Lawton, J.T. (1988). Introduction to Childcare & Early Childhood Education. London: Scott Freeman Co. Morrison, G.S. (1976). Early Childhood Education Today.USA: Merrill Publications. Read, K.H. (1996). Nursery School Relationship Laboratory. Calcutta: Oxford and IBM. Swaminathan, M. (1984). Play Activities for Young Children. New Delhi: UNICEF. E-resources Ulश्चात्य शे क्षक चचार च चचारक 4MB https://drive.google.com/open?id=0Bwk5FIsI0ctxQmJYQXJhVkJYWH M Statutel—3 धगम तथा मूल्यांकन 2MB https://drive.google.com/open?id=0Bwk5FIsI0ctxSlg1d2RoaFRzYjg Ulo्यचर्या तथा अनुदेश 17MB https://drive.google.com/open?id=0Bwk5FIsI0ctxejNMUFZxbTI6MGc

	• अ धगम के लए मार्गदर्शन 6MB https://drive.google.com/open?id=0Bwk5FIsI0ctxRXNHR011T3JWaFU
HSC 306/HSC 306 L Fashion Dynamics & Illustration Learning outcomes: Upon completion of the course students will be able to: Recognize basic concepts of fashion dynamics, fashion movement and its development. Interpret and learn to operate practices involved in fashion business. Find out designers of international and national fame and explore their contribution to the fashion of illustrations for different purposes	 References: Abling, B. (1993). Fashion Sketchbook. New York: Fairchild publication Abling, B. (2017). Fashion Flats and Technical Drawing. New York: Bloomsburry Publication Abling, B. (2nd ed.). (2005). Marker Rendering for fashion, Accessory and Home Fashion. New York: Fairchild Publication. Castelino, M. (1994). Fashion Kaleidoscope. Calcutta: Rupa and co. Diamond, J. & Diamond, E. (V ed.). (2013). The World of Fashion. New York, NY: Bloomsbury Publishing Inc. Frings, G. S. (1999). Fashion from Concept to Consumer. New Jersey: Prentic Hall Ireland, P.J. (1995). Fashion Design Illustration for Children. London: B. T. Batsford Ltd. Ireland, P.J. (2005). Figure Templates for Fashion Illustration, Singapore: Page One Publishing Pvt.Ltd. Leach, R. (2012). The Fashion Resource Book: Research for Design. London: Thames & Hudson Ltd. Rousso, C. (2012). Fashion Forward: A Guide to Fashion Forecasting. New York: Fair child Books Inc. Stone, E. (2004). The Dynamics of Fashion. New York: McGraw Hill Book Company Tain, L. (3rd ed.). (2010). Portfolio Presentation: for Fashion Designers. New York: Fairchild Books Inc.

HSC314 Welfare	Learning outcomes:		References:
Programmes	Upon completion of the course students will be		1. Alfred, K. (1980) . Child Welfare Services . New York : Mc-
	able to:		Millan Publishers.
	Discuss welfare services for family		2. Choudhary, D.P. (1985). Child Welfare Development, Delhi:
	and children in India		Atma Ram & Sons.
	Interpret various types of services to		3. Fonseca, M.B. (1991) . Counselling for Marital Happiness,
	meet the needs of family and		Bombay : Manaktalas .
	children		4. Verma, V.S. & Singh, M. (1988). Legal Rights for Women
	Analyze the institutional services		and Families . New Delhi: Women's Legal Aid Centre
	for women and children; old age		
	and children with special need		
	Summarize the role of international		
	agencies in child welfare		
	D	iscipline Electives	
YYGG GAO Y Y		iscipline Electives	
HSC 309 Introduction	Learning outcomes:	Unit – I Work Study	Unit – I Work Study
HSC 309 Introduction to Work Study	Learning outcomes: Upon completion of the course students will be		1. Components of Work Study-Time Study and Method Study
	Learning outcomes:	Unit – I Work Study 1.Concept and importance	Components of Work Study-Time Study and Method Study Work Study Techniques - Formal and Informal
	Learning outcomes: Upon completion of the course students will be	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and	 Components of Work Study-Time Study and Method Study Work Study Techniques - Formal and Informal Mundell's classes of change
	Learning outcomes: Upon completion of the course students will be	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal	Components of Work Study-Time Study and Method Study Work Study Techniques - Formal and Informal Mundell's classes of change Unit – II Costs of work
	Learning outcomes: Upon completion of the course students will be able to:	Unit – I Work Study 1. Concept and importance 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change	Components of Work Study- Time Study and Method Study Work Study Techniques - Formal and Informal Mundell's classes of change Unit – II Costs of work Affective Component- Motivation
	Learning outcomes: Upon completion of the course students will be able to: Analyze changes in human body at work	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal 3.Mundell's classes of change Unit – II The Worker-Costs of work	1. Components of Work Study- Time Study and Method Study 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change Unit – II Costs of work 1. Affective Component- Motivation 2. Cognitive Component- Guilford's model of Intellect
	Learning outcomes: Upon completion of the course students will be able to: Analyze changes in human body at work Analyze and reason out concept of	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal 3.Mundell's classes of change Unit – II The Worker-Costs of work 1.Affective Component	1. Components of Work Study- Time Study and Method Study 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change Unit – II Costs of work 1. Affective Component- Motivation 2. Cognitive Component- Guilford's model of Intellect 3. Temporal Component - Work Curve, Rest Periods and Fatigue
	Learning outcomes: Upon completion of the course students will be able to: Analyze changes in human body at work Analyze and reason out concept of Ergonomics and its applications to	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal 3.Mundell's classes of change Unit – II The Worker-Costs of work 1.Affective Component 2.Cognitive Component	1. Components of Work Study- Time Study and Method Study 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change Unit - II Costs of work 1. Affective Component- Quilford's model of Intellect 3. Temporal Component - Work Curve, Rest Periods and Fatigue 4. Physical Component- Principles of Biomechanics, Indicators of
	Learning outcomes: Upon completion of the course students will be able to: Analyze changes in human body at work Analyze and reason out concept of Ergonomics and its applications to develop user-centered approach	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal 3.Mundell's classes of change Unit – II The Worker-Costs of work 1.Affective Component 2.Cognitive Component 3.Temporal Component	1. Components of Work Study- Time Study and Method Study 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change Unit - II Costs of work 1. Affective Component- Quilford's model of Intellect 3. Temporal Component - Work Curve, Rest Periods and Fatigue 4. Physical Component- Principles of Biomechanics, Indicators of Physical Stress (Heart Rate, VO2 max), Work Physiology (Static and
	Learning outcomes: Upon completion of the course students will be able to: Analyze changes in human body at work Analyze and reason out concept of Ergonomics and its applications to	Unit – I Work Study 1.Concept and importance 2.Work Study Techniques - Formal and Informal 3.Mundell's classes of change Unit – II The Worker-Costs of work 1.Affective Component 2.Cognitive Component	1. Components of Work Study- Time Study and Method Study 2. Work Study Techniques - Formal and Informal 3. Mundell's classes of change Unit - II Costs of work 1. Affective Component- Quilford's model of Intellect 3. Temporal Component - Work Curve, Rest Periods and Fatigue 4. Physical Component- Principles of Biomechanics, Indicators of

1. Tasks, Activities, Events & Milestones

2. Workstation Analysis- User-Machine-Environment Interface

to work and workplace designing

	Analyze the indoor climate components for ergonomic designing 2. The Job description & Job Specification 3. Job Characteristics Model Unit – IV The Workplace Unit – IV The Workplace Unit – IV The Workplace 1. Functional design for Seated and Standing Workers 2. Workstation Analysis 3. Environmental factors in workplaces 4. Noise 5. Illumination 6. Quality of Air - Humidity and Temperature Unit – V Ergonomics - Human Factors 1. Meaning, Areas of study in Ergonomics 2. Bio Mechanics Kinesiology (a) Motion Economy (b) Work physiology static and dynamic work 3. Man-Machine Environment System 4. Man-Machine Environment System 4. Man-Machine Environment System 5. Relationship between Optimal Design and Performance 3. Man Machine Environment System References: 1. Bridger R.S. (2009). Introduction to Ergonomics. New York Mc Graw Hill Inc. 2. Galer I. (1987). Applied Ergonomics Handbook (2nd ed.). London: Butterworth & Co. Publications Ltd. 3. Salvendy G. (2006). Handbook of Human Factors and Ergonomics. New York: McGraw Hill. 5. Resources 4. Human Factors 4. More Tax Humidity and Temperature Unit – V Ergonomics - Human Factors in Engineering and Design. New York: McGraw Hill. 6. Reationship between Optimal Design and Performance 3. Man Machine Environment System References: 1. Bridger R.S. (2009). Introduction to Ergonomics. New York McGraw Hill. 7. Noise Levels and their control in workplaces 9. Unit – IV Indoor Climate in Workplaces 9. Quality of Air - Humidity and Temperature Unit – V Ergonomics - Human Factors 1. Bridger R.S. (2009). Introduction to Ergonomics. New York McGraw Hill. 8. Salvendy G. (2006). Handbook of Human Factors in Engineering and Design. New York: McGraw Hill. 8. E- Resources 9. Human Factors 1. Humiation-Principles of Good Lighting (Industry) and Temperature Unit – V Ergonomics - Human Factors 1. Bridger R.S. (2009). Introduction to Ergonomics. 1. Bridger R.S. (2009). Human Factors in Ergonomics and Performance 2. Man Machine Environment System McGraw Hill. 8	
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Behaviour Change	Learning outcome: Upon completion of the	Unit I: Introduction to Behavior Change Communication
Behaviour Change Communication	course students will be able to 1. State the meaning, theories and principles of behaviour change communication 2. Explain Steps necessary in designing a behaviour change communication strategy 3. Design effective communication	a) Defining behaviour change, behaviour change communication b) The behaviour change process c) Behaviour change theories d) Guiding principles for BCC e) Characteristics of effective behaviour change communication programs Unit II: Designing Behavior Change Communication Programs
	strategies	a) Defining the problem b) Identify target audience c) Conduct formative assessment d) Segment target population e) Define communication and behaviour change objectives f) Select communication channels g) Design key messages and materials h) Pre-test materials and messages
		Unit III: Dissemination, implementation, monitoring and evaluation of BCC programs a) Message dissemination b) Monitoring of BCC programs c) Evaluation and re- planning d) Evaluation of message effect
		Unit IV: Designing a Communication Strategy a) Steps in designing a communication strategy b) Key elements of a communication strategy Unit V: 7 C's of Effective Communication a) Command attention b) Cater to the heart and head c) Clarity of message d) Consistency checks
		c) Clarity of message d) Consistency checks e) Communicate a benefit

_	
	f) Create trust
	g) Call for action
	D.C.
	References
	Gainforth, Brown, West, Campbell, & Michie (2014). ABC of
	Behaviour Change Theories. Silverback Publishing, ISBN
	1291886672, 9781291886672
	1271660072, 7761271600072
	Gainforth, Brown, West, Campbell, & Michie (2014). The
	Behaviour Change Wheel: A Guide to Designing Interventions.
	Silverback Publishing, ISBN 1291846050, 9781291846058
	McKee, Becker & Bockh (2014). Social and Behavior Change
	Communication. Wiley Online Library.Online ISBN:
	9781118505328, Print ISBN: 9781118505311
	Woods N., Lisa (2006). Behaviour Change Communication In
	Emergencies: A Toolkit. United Nations Children's Fund ISBN
	99946-896-1-4
	e-resources
	Introduction to Behaviour Change Communication. Retrieved from
	https://slideplayer.com/slide/5727280/
	https://sindeplayer.com/sinde/5727250/
	Health Communication Capacity Collaborative (n.d.).Designing a
	Social and Behavior Change Communication Strategy. Retrieved
	from https://sbccimplementationkits.org/courses/designing-a-
	social-and-behavior-change-communication-strategy/
	IFRC (n.d.).Introduction to Behaviour Change Communication.
	Retrieved from
	http://www.rcrc-resilience-
	southeastasia.org/document/introduction-to-behavior-change-
	communication-bcc/

		Introduction to Behaviour Change Communication. Retrieved from https://slideplayer.com/slide/5727280/ Naqeeb, B.(2006). Behaviour Change Communication .Retrieved from https://www.slideshare.net/bilalnaqeeb/behavior-change-communication Rao, S.(n.d.) Behaviour change communication. Retrieved from https://www.slideshare.net/drsrinivasraod/behavioural-change-communication Avis, W.(2016). Methods and approaches to understanding behaviour change. Retrieved from https://gsdrc.org/wp-content/uploads/2016/08/HDQ1389.pdf
Community Health Management	Learning outcome: Upon completion of the course students will be able to 1) Understand the concept of health from the individual and community perspective 2) Know the factors affecting health and nutritional status of individual and community and promoting aspects to improving community health.	Unit 1: Health and dimensions of health Physical health, mental health, emotional health, spiritual health and social health. Charcteristics of mental health. Positive health versus absence of diseases Unit 2: Community and its organization Concept of community, types of community, factors affecting health of the community-environmental, social, cultural, dietary, organizational, economic, political. Vulnerable groups/ needs of specials population. Unit 3: Communicable and infectious Disease control Nature of communicable and infectious diseases, infection, contamination, disinfections, discontamination, transmission-direct and indirect, vector born disease, infecting organisms and causative agents.

	Principles of disease control.
	Timespies of disease control.
	Unit 4: Community Water and Waste management
	Importance of water to the community, etiology and effects of toxic
	agents, water born infectious agents, sources of water, safe drinking
	water/potability and tests for potability. Community waste and waste
	disposal-sewage disposal and treatment, solid waste and disposal, liquid
	waste disposal.
	Unit 5: Life style and Community health
	Omt 5. Life style and Community health
	Preventive and promotive aspects, public education and action, alcohol,
	cigarette smoking, drugs, AIDS,STD diet and chronic diseases.
	References:
	Clark, J, J Henderson, J. (1983): Community Health, Churchilli Livingstone.
	Park, K. (2017):Park's Textbook of Prevention and Social Medicine 24 Th
	Edition.Banaingstone. Bhanot Publishers, Jabalpur.
	Zumani zmanot i wanani ya wa pun
	e-resources:
	Infectious disease retrieved from https://www.who.int
	infectious disease fettleved from intps://www.who.int
	factors affecting health of the community retrieved from
	https://www.slideshare.net

HSC 311 / HSC 311 L	Learning outcomes:	Reference	References:		
Nutritional Bio-	Upon completion of the course students will be	1.	Conn, E. E. & Stump, P. K. (1987). Outlines of Bio-chemistry.		
Chemistry	able to:		New York: John Wiley & Sons Inc.		
	Get thorough knowledge about the	2.	Deb, A. C. (1998). Fundamentals of Bio-chemistry. Calcutta:		
	metabolism of nutrients and their		New Central Book Agency,.		
	functions in the body	3.	Martin, D.W., Mayes, P.A. & Rodwell, V.W. (20033)		
	Gain insight into functions and		Harper's Review Bio-chemistry. USA: Lange Medical		
	interrelationship between nutrients		Publication. Los Altos California.		
	and their importance in the	4.	Pant, M. C. (2005) .Essential of Bio-chemistry. Meerut:		
	maintenance of health		Kedarnath Ramnath & Co		
	Estimate some nutrients, detect	5.	Plummer, D.T. (2017). An Introduction to Practical		
	adulteration in foods,		Biochemistry. New Delhi : McGraw Hill Education.		
	Assess the chemical characteristics	6.	Rao, A.V.S.S.R. (2006). Text Books of Bio-chemistry. Tahuku		
	of foods		(AP): UBS Publishers Distributers Pvt. Limited.		
		7.	Sharma S. (1993). Practical Biochemistry. Jaipur : Classic		
			Publishing House.		
		8.	Sharma, S. (2007). Experiments and Techniques in		
			Biochemistry. New Delhi: Galgotia Publishing.		
		9. Talwar, G. P., Srivastava, L. M.(2004). Text Book of Bio			
		chemistry & Human Biology. New Delhi : Prentice Hall of			
			India Pvt. Ltd.		

HSC /HSC L	Learning Outcomes:	LTPC	
Ergonomics and Space		4025	
Management	Upon the completion of this course, the		
	students will be able to	Unit I	
	- IV. danstand the consents of		
	Understand the concepts of Ergonomics and Proxemics in	a) Concept and Importance of Ergonomics	
	context to each other • Apply ergonomic approaches to	b) Proxemics and its applications	
	designing of spaces and products	c) Anthropometrics- Concept and Applications in design	
	 Evaluate different workspaces and furniture on functional grounds 	c) Antinopolitetres- Concept and Applications in design	
		Unit II	
		Design Techniques in Space Planning and their applications	
		a) Proportioning Systems- The Golden Section and Fibonacci Series	
		b) Oriental Grid Systems c) Corbusier.s Modular System	
		C) Corbusier.s Modulai System	
		Unit III	
		Ergonomic Approaches to the design of	
		a) Residential Buildings b) Office Layouts	
		c) Computer Workspaces	
		d) Equipments	
		e) Laboratories	

 1	
	unit IV a) Principles of Ergonomic Interior Design b) Ergonomic Assessment of Workspace Design- Reactive & Proactive Approach c) Multi-Unit and Adjustable Furniture
	Unit V
	 a) Landscape Designing on aesthetic and functional grounds b) Principles of Sustainable Workplace Design c) Furniture Design Guidelines for Fit & Function
	Ergonomics and Space Management Lab
	Ergonomic Evaluation of Computer Workstation Anthropometric considerations for seated and standing workers Assessment of User-Chair fit: Comparison of at least two types of chairs Postural Analysis of seated and standing workers Analysis of workplace factors- Illumination, Noise levels, Air Quality Analysis of ZCR (Zone of Comfortable Reach) for seated and standing workers
	References: 1. Openshaw, S. (2006). Ergonomics and Design: A Reference Guide. Allsteel Inc.

		 Soares, M.M. & Rebelo, F. (2016). Ergonomics in Design: Methods and Techniques. CRC Press Postell J. (2012). Furniture Design. John Wiley & Sons Soares, M.M. & Rebelo, F. (2018) (Ed). Advances in Ergonomics in Design. Springer, Cham Pheasant, S. & Haslegrave, C.M. (2005). Bodyspace: Anthropometry, Ergonomics and the Design of Work. III ed., CRC Press Penick, P. (2013). Lawn Gone!. Ten Speed Press
HSC / HSC L Programme Planning and Management	Learning outcomes: Upon completion of the course students will be able to State the meaning, nature and importance of programme planning Explain programme planning process and extension management Design plan of work for need based program Apply techniques of participatory planning-RRA, PRA and PLA	Unit I Programme Planning in Extension 1) Meaning and nature of programme planning 2) Importance of programme planning 3) Need of Programme Planning 4) Abilities needed by Planners Unit II Programme planning process 1) Community Study 2) Local Leaders and Participation 3) Need Assessment 4) Framing Objectives 5) Plan of work 6) Programme Implementation 7) Evaluation 8) Reconsideration Unit III Participatory planning

r e	1	 1	
		1)	Concept and importance of participatory planning
		2) 3)	Process of participatory planning Techniques of participatory planning- RRA, PRA and PLA
		3)	and their application in extension approaches of participatory
			planning – cooperative, democratic, bottom up and down
			priming cooperative, democratic, contain up and down
		Unit IV	Extension Management
		1)	Concept and meaning of management and extension
			management
		2)	Principles and importance of extension management
		3)	Competencies required by extension managers
		4)	Problems in extension management
		Unit V Ex	tension Management process
		1)	Planning
		2)	Organizing
		3)	Staffing
		4)	Directing
		5)	Communicating
		6)	Co-ordination
		7)	Controlling
		8)	Monitoring
		9)	Evaluation.
		Reference	s:
			Adhikary, MM. (2006). Participatory Planning & Project
			Management in Extension Sciences. Agrotech Publ.Academy.

	Extension Program Planning: Meaning, Definition, Objectives, Importance and principles	
	E-resources :	
	Management, Tata McGraw Hill, New Delhi.	
	14. Tripathi, P.C & Reddy, P.N. (1993). Principles of	
	Oxford Publishers, New Delhi.	
	13. Supe, S.V. (2018). Introduction to Extension Education.	
	& IBH Publishing Company Private Limited, New Delhi.	
	12. Sandhu, A.S. (1994) Extension Programme Planning. Oxford	
	Management. Kalyani Publishers, New Delhi.	
	11. Ray, G.L. (2006). Extension Communication and	
	Ajmer book company Publishers, Jaipur.	
	10. Rajpurohit, R, Sharma, S. & Gupta, A. (2013). Management,	
	Sultan Chand & Sons, New Delhi.	
	9. Prasad, M.L. (1999). Principles and Practice of Management,	
	Research. New Delhi,Sage Publications	
	8. Mikkelsen, B. (2002). Methods for Development Work and	
	Resource Development. New Delhi: Concept Publishers.	
	7. Kumar & Hansra. (1997). Extension Education for Human	
	McGraw-Hill, New Delhi.	
	6. Koontz & Heinz, W. (1990). Essentials of Management,	
	Jodhpur.	
	Extension Educational and Rural Development, Agrobios,	
	5. Govind, S. Tamilselvi, G. & Meenambigai, J. (2011).	
	Projects. New Delhi, Sage Publications.	
	4. Dale, R. (2004). Evaluating Development Programmes and	
	Vikas Publishing House, New Delhi.	
	3. Chandan, J. S. (1997). Management- Concepts and Strategies.	
	2. Burton, G. & Hanab, T. (1997). Management Today, Tata Mc Graw Hill Publishing Company, New Delhi.	

	Retrieved from https://epgp.inflibnet.ac.in/ahl.php?csrno=827 PRA I and PRA II Retrieved from
	https://epgp.inflibnet.ac.in/ahl.php?csrno=827 Planning and Developing Extension Programme Retrieved from http://egyankosh.ac.in/handle/123456789/9171 HSC L Programme Planning and Management Lab
	1) Assessing needs and problems of a target group in a community 2) Development of a plan of action for the problem identified 3) Conducting the planned programme 4) Evaluation and reporting 5) Suggestion and follow-up.

Name of the programme: M.Sc. (Home Science)

HOME SCIENCE PROGRAMME

The quality of life of society and the family determines positive functioning. Home Science has a vital role to play in increasing the capacity of the family and the community. At Banasthali Vidyapith, the faculty of Home Science strives to work dedicatedly towards women's empowerment through socially-relevant, holistic, interdisciplinary education, in keeping with its unique philosophy of Panchmukhi Shiksha (Five fold education). Home Science curriculum is offered in a composite form as per the development trends incorporating multi-disciplinary skills, linking the general studies with professional courses integrating theory and practice, and flexibility to the credit based system to meet the challenges in Indian ethos and global context. The curriculum is continually innovated to make it globally valuable, locally relevant and responsive to the changing times and needs. The course sensitizes students to the needs of others, especially of those less advantaged, and fosters a service orientation. The faculty also aims to contribute to the national and international knowledge base in Home Science and allied fields. Due emphasis has always been given to the skill development and enhancement in the students. The degrees offered by the faculty include B.Sc. (Home Science) and M.Sc. (Home Science) in Food Science and Nutrition, Human Development and Clothing and Textile. PhD is awarded in all the five branches of Home Science. Home Science is also offered as a subject in B. A. programme.

Program Educational objectives:

Objectives of the Home Science programme are

- To acquaint students with interdisciplinary nature of Home Science as an integrated body of knowledge, all interwoven to enhance the quality of life, and multidisciplinary nature of subjects dealing with art and science of living
- To provide education through integrated approach of combining theory, practical, and field work emphasizing gender neutral, family focus, region specific and career perspective
- To prepare students to become actively involved in local and regional professional service activities which allow continuous initiative for empowering the individual, family and community
- To inculcate scientific thinking to undertake research projects of national and international recognition and publish multidisciplinary papers

Programme Outcomes:

PO1 Knowledge – Have knowledge and holistic understanding of the core courses related to Home Science including Human Development, Foods and Nutrition, Clothing and Textile, Human Management, Extension Education and Communication; and basic courses associated with discipline of Home Science, including Social Sciences, Biological sciences, Physical sciences, Technology and Management.

- **PO2 Planning Abilities** Apply skills in designing, implementing, monitoring and evaluating programmes effectively for individuals, family, community, and for vulnerable groups of society.
- **PO3 Problem Analysis** Solve problems concerning home ,family , and society for ensured physical and mental health in the changing socio-economic scenario viz. dietary problems, behavioral problems, clothing problems, social problems by applying scientific methods; through critical thinking, assessing, analyzing, finding appropriate solutions and taking decisions
- **PO4** Modern Tool Usage- ability to select and use appropriate methods and procedures; tools and equipments; raw materials and other resources for knowledge, skill enhancement, designing and creation of new products, assessment and evaluation
- **PO5** Leadership Skills- apply leadership skills; inspiring, taking responsibility, delegating tasks while working in a team, communicating with other teams, providing guidance to lesser skilled in various settings be it family, industry or institutions or carrying out research projects
- **PO6** Professional Identity- Take various professional roles in industries, govt./non-govt. organizations, institutes as educators, entrepreneurs, counselors, social workers, consultants, designers, researchers and exhibit competencies & skills
- **PO7** Ethics- Apply ethical practices while data collection, and conducting experiments; involving human beings as well as animals, delivering professional responsibilities
- **PO8 Communication** Use soft skills for clear , accurate, unambiguous effective communication using verbal and non-verbal skills at inter / intra personal and professional level
- **PO9** Home Science and Society- Apply knowledge and competencies developed as graduates to impart knowledge, identify, analyze and address family and societal issues to improve quality of life of individual, family and society as a whole, also covering marginalized and vulnerable groups of society.
- **PO10 Environment and Sustainability** Critically evaluate impact of household and industrial practices on environment. Appreciate use of sustainable practices for improved physical, emotional, social, psychological environment at micro / macro level
- **PO11 Life Long learning** ability to reason out, learn and improve oneself in the changing dynamic scenario by strengthening the strength and weakening of weaknesses for sustainable developmental needs, technological changes, career requirements and new avenues.

PO12 Project- Provide opportunity to students to get acquainted with innovative projects and develop skills to plan and undertake intervention projects.

Program specific outcomes:

M.Sc. (Home Science Human Development)

Focus on developing knowledge and competence for:

- teaching and research in academic and other institutions
- Planning and conducting intervention, guidance and advocacy for empowerment of families and communities
- Supervisory, training and consultancy roles and responsibilities in Government and non-government agencies/institutions.
- Entrepreneurship in specific areas of human development
- Orientation to the socio-cultural and economic environment for planning, monitoring and evaluation of various programmes for children and families.
- Advocacy and policy related roles

M.Sc. (Home Science Food Science and Nutrition)

Focus on developing knowledge and competence for:

- Academic and research institutions
- Prepare professional to work with government and non-government organization, hospitals, food service institutes, and industry in various capacity
- Planning, Mentoring and evaluation of nutrition and health programmes Training and IEC activities of regional and national programmes
- Ensuring food safety and quality for consumers.
- Advocacy, consultancy and Entrepreneurial ventures.

M.Sc. (Home Science Clothing and Textile)

Focus on developing knowledge and competence for:

- related area of educational, commercial and research establishments
- selection and design of fabrics, apparel and accessories for commercial marketing
- entrepreneurial management in textiles and clothing enterprises/ industry
- enhance self employment through entrepreneurial skill training
- Intensive and extensive theoretical and experiential learning and training in fusion of traditional and modern

Programme Scheme:

M.Sc. (Home Science Human Development)

Semester: I

Existing					
Course Code	Course Name	L	Т	P	С
CS 422	Introduction to computers	4	0	0	4
CS 422L	Introduction to computers laboratory	0	0	4	2
HSC 403	Advanced Study in Human Development: Conception to Childhood	4	0	0	4
HSC 403L	Advanced Study in Human Development: Conception to Childhood Lab	0	0	4	2
HSC 418	Research Methods in Human Development	4	0	0	4
HSC 424	Techniques of Studying Human Development and Scientific Writing	4	0	0	4
HSC 424L	Techniques of Studying Human Development and Scientific Writing Lab	0	0	4	2
HSC 427	Theories of Human Development	4	0	0	4
	Total	20	0	12	26

Proposed					
Course Code	Course Name	L	Т	P	С
CS 422 / CS 422L	Introduction to Computers	4	0	4	6
HSC 403 / 403L	Advanced Study in Human Development: Conception to Childhood	4	0	4	6
HSC 418	Research Methods in Human Development	4	0	0	4
HSC 424/ 424L	Techniques of Studying Human Development and Scientific Writing	4	0	4	6
HSC 427	Theories of Human Development	4	0	0	4
	Total	20	0	12	26

Semester: II

T					
Existing					
Course	Course Name	L	T	P	С
Code					
HSC 401	Adolescence & Youth	4	0	0	4
HSC	Adolescence & Youth Lab	0	0	2	1
401L					
HSC 406	Contemporary Issues and	4	0	0	4
	Concerns in Human				
	Development				
HSC	Contemporary Issues and	0	0	4	2
406L	Concerns in Human				
	Development Lab				
HSC 407	Early Childhood Care &	4	0	0	4
	Education				
HSC	Early Childhood Care &	0	0	4	2
407L	Education Lab				
HSC 420	Social Psychology	4	0	0	4
HSC	Social Psychology Lab	0	0	2	1
420L					
HSC 423	Statistical Methods in	4	0	0	4
	Human Development				
HSC	Work experience/ Internship	0	0	4	2
428P					
	Total	20	0	16	28
	1	1	1		1

Proposed					
Course Code	Course Name	L	T	P	С
HSC 401/401L	Adolescence & Youth	4	0	2	5
HSC 406 / 406L	Contemporary Issues and Concerns in Human Development	4	0	4	6
HSC 407/ 407L	Early Childhood Care & Education	4	0	4	6
HSC 420 / 420L	Social Psychology	4	0	2	5
HSC 423	Statistical Methods in Human Development	4	0	0	4
HSC 428P	Work experience/ Internship	0	0	4	2
	Total	20	0	16	28

^{*}Common practical examination for HSC 401L and HSC 420L.

^{*}Common practical examination for HSC 401L and HSC 420L.

Semester: III

Existing					
Course Code	Course Name	L	Т	P	С
HSC 502	Adulthood and Ageing	4	0	0	4
HSC 508	Child in the Family	4	0	0	4
HSC 511	Curriculum for Early Years	4	0	0	4
HSC 511L	Curriculum for Early Years Lab	0	0	4	2
HSC 520	Introduction to Guidance and Counseling	4	0	0	4
HSC 520L	Introduction to Guidance and Counseling Lab	0	0	4	2
HSC 526	Persons with Special Needs	4	0	0	4
HSC 526L	Persons with Special Needs Lab	0	0	4	2
	Total	20	0	12	26

Proposed					
Course Code	Course Name	L	Т	P	С
HSC 502	Adulthood and Ageing	4	0	0	4
HSC 508	Child in the Family	4	0	0	4
HSC 520/ 520L	Introduction to Guidance and Counseling	4	0	4	6
	Discipline Elective - I	4	0	4	6
	Open Elective	4	0	4	6
	Reading Elective -I	0	0	0	2
	Total	20	0	12	28

List of Discipline Electives					
Course Code	Course Name				
HSC 526 / 526L	Persons with Special Needs				
HSC 511/ 511L	Curriculum for Early Years				
	Media Planning and Social Marketing (Newly Introduced)				
	Planning for Innovative Project and Management(Newly Introduced)				

Semester: IV

	Existing				
Course Code	Course Name	L	T	P	С
HSC 501	Abnormal Psychology	4	0	0	4
HSC 525	Parent & Community Education	4	0	0	4
HSC 525L	Parent & Community Education Lab	0	0	4	2
	Specialization (I/II) Course 1	4	0	0	4
	Specialization (I/II) Course 2	4	0	0	4
	Specialization (I/II) Course 3	0	0	4	2
HSC 528P	Project	0	0	12	6
	Total	16	0	20	26

	Proposed				
Course Code	Course Name	L	T	P	С
HSC 501	Abnormal Psychology	4	0	0	4
HSC 525 / 525L	Parent & Community Education	4	0	4	6
	Elective Specialization Course 1	4	0	0	4
	Elective Specialization Course 2	4	0	0	4
	Elective Specialization Course 3	0	0	4	2
	Reading Elective -II	0	0	0	2
HSC 528P	Project	0	0	12	6
	Total	16	0	20	28

Specializat	ion I Guidance and counseling	<u> </u>					Specialization I Guidance and counseling
HSC 517	Guidance and Coping in Crisis	4	0	0	4	HSC 517	Guidance and Coping in Crisis
HSC 527	Principles and Procedures in Guidance and Counseling	4	0	0	4	HSC 527	Principles and Procedures in Guidance and Counseling
HSC 537L	Practicing Guidance and Counseling Lab	0	0	4	2	HSC 537L	Practicing Guidance and Counseling Lab
							Or
Specializati	on II Early Childhood Educat	ion				Specializat	tion II Early Childhood Education
HSC 513	ECE Centers Organization, Administration and Management	4	0	0	4	HSC 513	ECE Centers Organization, Administration and Management
HSC 518	Innovative Programmes and Curriculum Planning for ECE Centers	4	0	0	4	HSC 518	Innovative Programmes and Curriculum Planning for ECE Centers
HSC536 L	Management and innovations in Early Childhood Education Lab	0	0	4	2	HSC536 L	Management and innovations in Early Childhood Education Lab

M.Sc. (Home Science Clothing and Textile)

Semester I

Existing					
Course Code	Course Name	L	Т	P	С
CS 422	Introduction to computers	4	0	0	4
CS 422L	Introduction to computers laboratory	0	0	4	2
HSC 404	Apparel Pattern Making	4	0	0	4
HSC 404L	Apparel Pattern Making Lab	0	0	4	2
HSC 411	Historic Costumes	4	0	0	4
HSC 416	Research Methods in Clothing & Textile	4	0	0	4
HSC 425	Textile Chemistry	4	0	0	4
HSC 425L	Textile Chemistry Lab	0	0	4	2
	Total	20	0	12	26

Proposed					
Course Code	Course Name	L	T	P	С
CS 422/ 422L	Introduction to computers	4	0	4	6
HSC 404 / 404L	Apparel Pattern Making	4	0	4	6
HSC 411	Historic Costumes	4	0	0	4
HSC 416	Research Methods in Clothing & Textile	4	0	0	4
HSC 425/ 425L	Textile Chemistry	4	0	4	6
	Total	20	0	12	26

Semester II

Existing					
Course Code	Course Name	L	T	P	С
HSC 408	Fashion Business and Communication	4	0	0	4
HSC 408L	Fashion Business and Communication Lab	0	0	4	2
HSC 410	Garment Production Technology	4	0	0	4
HSC 412	Historic Textiles	4	0	0	4
HSC 412L	Historic Textiles Lab	0	0	4	2
HSC 421	Statistical Methods in Clothing & Textile	4	0	0	4
HSC 426	Textile Testing	4	0	0	4
HSC 426L	Textile Testing Lab	0	0	4	2
HSC 428P	Work experience/ Internship	0	0	4	2
	Total	20	0	16	28

Proposed					
Course Code	Course Name	L	T	P	С
HSC 408/ 408L	Fashion Business and Communication	4	0	2	6
HSC 410	Garment Production Technology	4	0	0	4
HSC 412/ 412L	Historic Textiles	4	0	4	6
HSC 421	Statistical Methods in Clothing & Textile	4	0	0	4
HSC 426/ 426L	Textile Testing	4	0	4	6
HSC 428P	Work experience/ Internship	0	0	4	2
	Total	20	0	16	28

Semester III

ocincact i					
Existing					
Course Code	Course Name	L	T	P	С
HSC 504	Advanced Apparel Designing and Construction	2	0	0	2
HSC 504L	Advanced Apparel Designing and Construction Lab	0	0	4	2
HSC 512	Dyeing and Printing	4	0	0	4
HSC 512L	Dyeing and Printing Lab	0	0	8	4
HSC 514	Fabric Manufacture	4	0	0	4
HSC 514L	Fabric Manufacture Lab	0	0	4	2
HSC 532	Textile Merchandising	4	0	0	4
HSC 529	Technical Textiles and Textile Ecology	4	0	0	4
	Total	18	0	16	26
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Course	Course Name	L	T	P	C
Code					
HSC 504/	Advanced Apparel Designing	2	0	4	4
504L	and Construction				
HSC 512/	Dyeing and Printing	4	0	8	8
512L					
HSC 529	Technical Textiles and Textile	4	0	0	4
	Ecology				
HSC 532	Textile Merchandising	4	0	0	4
	Discipline Elective	4	0	4	6
	Reading Elective -I	0	0	0	2
	Total	18	0	16	2
				1	

List of Discipline Electives

Bist of Discipline Biccii	. 65
HSC 514 /514L	Fabric Manufacture
Code to be generated	Knitting Technology(Newly Introduced)
HSC 531/531L	Textile Finishes
	Textile Auxillaries and their application(Newly
	Introduced)
Code to be generated	,
	Media planning and Social Marketing(Newly
	Introduced)
Code to be generated	

Semester IV

Existing					
Course Code	Course Name	L	Т	P	С
HSC 507	CAD in Textile and Garment Designing	2	0	0	2
HSC 507L	CAD in Textile and Garment Designing Lab	0	8	4	
HSC 510	Commercial Clothing	4	0	0	4
HSC 510L	Commercial Clothing Lab	0	0	8	4
HSC 531	Textile Finishes	4	0	0	4
HSC 531L	Textile Finishes Lab	0	0	4	2
HSC 528P	Project	0	0	12	6
	Total	10	0	32	26

Proposed					
Course	Course Name	L	T	P	С
Code					
HSC 507/	CAD in Textile and Garment	2	0	8	6
507L	Designing				
HSC 510/	Commercial Clothing	4	0	8	8
510L					
HSC 528P	Project	0	0	12	6
	Open Elective	4	0	4	6
	Reading Elective -II	0	0	0	2
	Total	10	0	32	28
			L		

M.Sc. (Home Science Food Science and Nutrition)

Semester I

Semester 1										
Existing										
Course	Course Name	L	T	P	C					
Code										
CS 422	Introduction to computers	4	0	0	4					
CS 422L	Introduction to computers lab	0	0	4	2					
HSC 402	Advanced Food Science	4	0	0	4					
HSC	Advanced Food Science Lab	0	0	4	2					
402L										
HSC 413	Human Physiology	4	0	0	4					
HSC 413L	Human Physiology Lab	0	0	2	1					
HSC 417	Research Methods in Food Science and Nutrition	4	0	0	4					
HSC 419	Scientific writing and nutrition communication	4	0	0	4					
HSC 419L	Scientific writing and nutrition communication Lab	0	0	2	1					
	Total	20	0	12	26					

	Proposed												
Course Code	Course Name	L	Т	P	С								
CS 422/ 422L	Introduction to computers	4	0	4	6								
HSC 402/ 402L	Advanced Food Science	4	0	4	6								
HSC 413/ 413L	Human Physiology	4	0	2	5								
HSC 417	Research Methods in Food Science and Nutrition	4	0	0	4								
HSC 419/ 419L	Scientific writing and nutrition communication	4	0	2	5								
	Total	20	0	12	26								

Common practical examination for HSC 413L and HSC 419L.

Semester II

Existing					
Course Code	Course Name	L	T	P	С
HSC 405	Biochemistry-I: Biomolecules and Energetics	4	0	0	4
HSC 405L	Biochemistry-I: Biomolecules and Energetics Lab	0	0	4	2
HSC 409	Food Microbiology	4	0	0	4
HSC 409L	Food Microbiology Lab	0	0	2	1
HSC 414	Nutrition Epidemiology Paediatric and Geriatric Nutrition	4	0	0	4
*HSC 414L	Nutrition Epidemiology Paediatric and Geriatric Nutrition Lab	0	0	2	1
HSC 415	Problems in Human Nutrition	4	0	0	4
HSC 415L	Problems in Human Nutrition Lab	0	0	4	2
HSC 422	Statistical methods in Food Science and Nutrition	4	0	0	4
HSC 428P	Work experience/ Internship	0	0	4	2
	Total	20	0	16	28
Common p	practical examination for HSC 41	4L and	HSC 4	109L	

Proposed					
Course Code	Course Name	L	T	P	С
HSC 405/ 405L	Biochemistry-I: Biomolecules and Energetics	4	0	4	6
HSC 409/ 409L	Food Microbiology	4	0	2	5
HSC 414/ 414 L	Nutrition Epidemiology Paediatric and Geriatric Nutrition	4	0	2	5
HSC 415 / 415L	Problems in Human Nutrition	4	0	4	6
HSC 422	Statistical methods in Food Science and Nutrition	4	0	0	4
HSC 428P	Work experience/ Internship	0	0	4	2
	Total	20	0	16	28

Semester III

Existing	Ta v		-	-	I a
Course	Course Name	L	T	P	С
Code					
HSC 505	Advanced Nutrition	4	0	0	4
HSC 505L	Advanced Nutrition Lab	0	0	2	1
HSC 506	Applied and Community	4	0	0	4
1150 300	Nutrition	_			-
HSC 506L	Applied and Community	0	0	2	1
11000002	Nutrition Lab			_	-
HSC 519	Institutional Food	4	0	0	4
	Administration (IFA) and				
	Country & Continental				
	Cuisines				
HSC 519L	Institutional Food	0	0	2	1
	Administration (IFA) and				
	Country & Continental				
	Cuisines Lab				
HSC 521	Metabolism and	4	0	0	4
	diagnostic Biochemistry				
HSC 521L	Metabolism and	0	0	4	2
	diagnostic Biochemistry				
	Lab				
HSC 524	Nutrition in Diseases and	4	0	0	4
	Disorders				
HSC 524L	Nutrition in Diseases and	0	0	2	1
	Disorders Lab				
	Total	20	0	12	26

Proposed					
Course Code	Course Name	L	Т	P	С
HSC 506 / 506L	Applied and Community Nutrition	4	0	2	5
HSC 519/ 519L	Institutional Food Administration (IFA) and Country & Continental Cuisines	4	0	2	5
HSC 521/ 521L	Metabolism and diagnostic Biochemistry	4	0	4	6
	Discipline Elective	4	0	2	5
	Open Elective	4	0	2	5
	Reading Elective I	0	0	0	2
	Total	20	0	12	28

Common practical examination for HSC524L and HSC519L

List of Discipline Ele	List of Discipline Electives							
HSC 505/505L	Advanced Nutrition							
HSC 524/524L	Nutrition in Diseases and Disorders							
	Food Standards, Safety and Regulations(Newly Introduced)							
	Media Planning and Social Marketing(Newly Introduced)							

Semester IV

	Existing						Proposed				
Course Code	Course Name	L	Т	P	С	Course Code	Course Name	L	T	P	С
HSC 523	Nutrition for Physical Health and Fitness	4	0	0	4	HSC 523/ 523L	Nutrition for Physical Health and Fitness	4	0	2	5
HSC 523L	Nutrition for Physical Health and Fitness Lab	0	0	2	1	HSC 530/ 530L	Techniques and Instrumentation in Nutrition Research	4	0	2	5
HSC 530	Techniques and Instrumentation in Nutrition Research	4	0	0	4		Elective Specialization Course 1	4	0	0	4
HSC 530L	Techniques and Instrumentation in Nutrition Research Lab	0	0	2	1		Elective Specialization Course 2	4	0	0	4
	Specialization (I/II) Course 1	4	0	0	4		Elective Specialization Course 3	0	0	4	2
	Specialization (I/II) Course 2	4	0	0	4		Reading Elective -II	0	0	0	2
	Specialization (I/II) Course 3	0	0	4	2	HSC 528P	Project	0	0	12	6
HSC 528P	Project	0	0	12	6		Total	16	0	20	28
	Total	16	0	20	26						

Common practical examination for HSC 530L and HSC 523L

Specialization I: Food Processing						Specialization	n I: Food Processing
HSC 515	Food Processing and Technology	4	0	0	4	HSC 515	Food Processing and Technology
HSC 516	Food Product Development Safety and Quality Control	4	0	0	4	HSC 516	Food Product Development Safety and Quality Control
HSC535L	Food Processing and Quality Assurance Lab	0	0	4	2	HSC535L	Food Processing and Quality Assurance Lab
	-	1	1	1	1		Or
Specializati	on II: Therapeutic Nutrition					Specialization	n II: Therapeutic Nutrition
HSC 509	Clinical Nutrition and Dietetics	4	0	0	4	HSC 509	Clinical Nutrition and Dietetics
HSC 522	Nutrition and Critical Care	4	0	0	4	HSC 522	Nutrition and Critical Care
HSC538L	Therapeutic Nutrition Lab	0	0	4	2	HSC538L	Therapeutic Nutrition Lab

List of Reading Electives for Home Science	
Course Code	Course Name
	Safe and Healthy Environments For Young Children (Newly Introduced)
	Nanotechnology in Textile(Newly Introduced)
	Introduction to Nutrigenomics / Online course in lieu - Nutrigenomics for Disease Prevention and Intervention https://www.nutrigenomics.arizona.edu/home.html
	Textile Conservation (Newly Introduced)
	Onconutrition (Newly Introduced)
	Colour Science and Instrumentation(Newly Introduced)
	Inclusive Education (Newly Introduced)
	Novel Technologies for Food Processing and Shelf Life Extension Online course in lieu - Novel Technologies For Food Processing And Shelf Life https://nptel IIT, Kharagpur Management
	Food Biotechnology (Newly Introduced)
	Science of Clothing Comfort Online course in lieu - Science of Clothing Comfort http://swayam.gov.in I I T, Delhi
	Ergonomic Applications in Interior Design (Newly Introduced)
	Functional Clothing(Newly Introduced)
	Content Development and Food Labelling(Newly Introduced)
	Emerging Technologies for Personalized Nutrition(Newly Introduced)
	Sports Nutrition(Newly Introduced)

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