

माँ विंध्यवासिनी विश्वविद्यालय, मीरजापुर

Maa Vindhyavasini University, Mirzapur

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HOME SCIENCE FOR U.G.-2021-22

SUBJECT: HOME SCIENCE

Name	Designation	Affiliation
Steering Committee		
Mrs. Monika S. Garg,	Additional Chief Secretary	Dept. of Higher Education U.P., Lucknow
(I.A.S.),		
Chairperson Steering Committee		
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Prof. Hare Krishna	Professor, Dept. of	CCS University Meerut, U.P.
	Statistics	
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		Nagar, U.P.
Supervisory Committee -	Arts and Humanities Stream	
Prof. Divya Nath	Principal	K.M. Govt. Girls P.G. College Badalpur, G.B.
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Prof. Ajay Pratap Singh	Dean, Faculty of Arts	Ram Manohar Lohiya University, Ayodhya
Dr. Nitu Singh	Associate Professor	HNB Govt P.G College Prayagaraj
Dr. Kishor Kumar	Associate Professor	K.M. Govt. Girls P.G. College Badalpur, G.B.
		Nagar, U.P.
Dr. Shweta Pandey	Assistant Professor	Bundelkhand University, Jhansi

Syllabus Developed by:

Name	Designation	Department	College/ University
Dr. Nitu Singh	Associate	Home Science	Hemvati Nandan Bahuguna Govt. P.G
Supervisor	Professor		College Naini, Prayagraj
Prof. SangitaSaini	Professor	Home Science	Dayalbagh Educational Institute,
Subject Expert			Dayalbagh, Agra
Dr. RashmiBishnoi	Associate	Home Science	Netaji Subash Chandra Bose Government
Subject Expert	Professor		Girls P.G College, Aliganj, Lucknow
Dr. Monika	Associate	Home Science	Sri Tika Ram Kanya Mahavidyalaya, Aligarh
Subject Expert	Professor		
	Dr. Nitu Singh Supervisor Prof. SangitaSaini Subject Expert Dr. RashmiBishnoi Subject Expert Dr. Monika	Dr. Nitu Singh Supervisor Prof. SangitaSaini Subject Expert Dr. RashmiBishnoi Subject Expert Dr. Monika Associate Associate Professor	Dr. Nitu Singh Supervisor Professor Prof. SangitaSaini Subject Expert Dr. RashmiBishnoi Subject Expert Dr. Monika Associate Associate Professor Home Science Home Science Home Science Home Science

Semester-wise Titles of the Papers in U.G Programme (HOME-SCIENCE)

Year	Semester.	Course Code	Paper Title	Theory/Practical	Credits
B.A- 1	I	A130101T	Fundamentals of Nutrition and Human Development	THEORY	4
	1	A130102P	Cooking Skills and Healthy Recipe Development	PRACTICAL	2
	II	A130201T	Introduction to Clothing and Textile & Family Resource Management	THEORY	4
	II	A130202P	Clothing and Textile	PRACTICAL	2
B.A- 2	III	A130301T	Advance Nutrition and Human Development	THEORY	4
	III	A130302P	Human Development	PRACTICAL	2
	IV	A130401T	Housing and Extension Education	THEORY	4
	IV	A130402P	Resource Planning and Decoration	PRACTICAL	2
B.A- 3	V	A130501T	Surface Ornamentation of Fabrics	THEORY	4
	V	A130502T	Community Development & Programme Planning	· · · · · · · · · · · · · · · · · · ·	
	V	A130503P	Community Transformation (Change)	PRACTICAL	2
	V	A130504R	Research Project-1	PROJECT	3
	VI	A130601T	Dietetics & Therapeutic Nutrition	·	
	VI	A130602T	Research Methodology and Gender Development THEORY		4
	VI	A130603P	Therapeutic Diet Preparation & Nutrient Evaluation	PRACTICAL	2
	VI	A130604R	Research Project-2	PROJECT	3

Proposed Year wise Structure of UG Program in Home Science

Program Outcomes (POs)

The program has been framed in such a manner that students receive real feel of quality education by touching all aspects of human lifecycle.

Designed to enhance the capacity of students to understand universal and domain-specific values in Home Science

Develop the ability to address the complexities and interface of self, societal and national priorities Inculcate both generic and subject-specific skills to succeed in the employment market and standards of life Promote research, innovation and design (product) development favouring all the disciplines in Home Science. This programme develops scientific and practical approach among the students which helps in their day to day life.

Certificate in Fundamentals of Home Science

B.A. First Year

Program Specific Outcomes (PSOs)

At the end of program following outcomes are expected from students:

Learn about the discipline of Home Science as a holistic field of study covering multiple facets and requirements of human beings in day to day living, for example, achievement of appropriate milestones in personal development; awareness, need and use of family resources; access to adequate nutrition for wholesome development; clothing fundamentals.

May have capabilities to start earning by enhancing their skills in the field of Nutrition and Textiles.

Semester I	Name of Paper	Credits	No of
	-		Lectures
	Fundamentals of Nutrition and Human	4	60
	Development (Theory)		
	Cooking Skills and Healthy Recipe Development	2	30
	(Practical)		
	Total	6	90
Semester II	Name of Paper	Credits	Lectures
	Introduction to Clothing and Textile &Family	4	60
	Resource Management(Theory)		
	Clothing and Textile (Practical)	2	30
	Total	6	90

B.A. Second Year: Diploma in Interior Design & Human Development

Program Specific Outcomes (PSOs)

At the end of program following outcomes are expected from students:

Develop sensitivity, resourcefulness, and competence to render service to enhance development of individuals, families, communities, and the nation at large.

Enhance abilities involved in acting as proactive agents of change in promoting the discipline of Family and Community Sciences .

Explore and decide upon viable avenues of self-employment and entrepreneurship.

Learn more about human and community & relationship.

Semester III	Name of Paper	Credits	No of
			Lectures
	Advance Nutrition and Human Development	4	60
	(Theory)		
	Human Development (Practical)	2	30
	Total	6	90
Semester IV	Name of Paper	Credits	No of
	-		Lectures
	Housing and Extension Education (Theory)	4	60
	Resource planning & Decoration (Practical)	2	30
	Total	6	90

B.A. Third Year: Degree in Bachelor of Arts

Program Specific Outcomes (PSOs)

- Programme is framed to Encourage a genre of responsible students with a passion for lifelong learning and entrepreneurship, it also generate multi-skilled leaders with a holistic perspective that cuts across disciplines.
- Promote research, innovation and design (product) development favouring all the disciplines in Home Science.
- Enhance digital literacy and apply them to engage in real time problem solving and ideation related to all fields of Home Science.
- Appreciate and benefit from the symbiotic relationship among the five core disciplines of Home Science Resource Management, Food Science and Nutrition, Textiles and Clothing, Human Development and Family Studies and Extension and Communication.
- After this degree programme students can be benefitted by getting jobs in various fields like government sector, working with NGOs, jobs as an extension worker, Education etc. and also they can feel the sense of entrepreneurship as well.

Semester V	Name of Paper	Credits	No.	of
			Lectures	
	Surface Ornamentation of Fabrics (Theory)	4	60	
	Community Development & programme	4	60	
	planning (Theory) Community Transformation (Change) Practical	2	30	
	Research Project 1	3	45	
	Total	13	195	
Semester VI	Name of Paper	Credits	No. Lectures	of
	Dietetics and Therapeutic Nutrition (Theory)	4	60	
	Research Methodology and Gender Development (Theory)	4	60	
	Therapeutic Diet Preparation and Nutrient Evaluation (Practical)	2	30	
	Research Project 2	3	45	
	Total	13	195	

B.A. I Semester I Home Science Paper 1 Fundamentals of Nutrition and Human Development (Theory)

Programme/Class: Certificate	Year: 1	Semester: 1
Subject: Home Science		
Course Code: A130101T	Course Title: Fundamentals of Nutrition and	Human Development

Course outcomes:

The student at the completion of the course will be able to:

- Prepare the students to understand physiology based courses
 Students will get familiar with different methods of cooking
 Acquaint students with practical knowledge of nutrient rich foods
 Explain the need and importance of studying human growth and development across life span Identify the biological and environmental factors affecting human development.
- Learn about the characteristics, needs and developmental tasks of infancy & early childhood

Credits: 4	Core Compulsory / Elective
Max. Marks: 25+75	Min. Passing Marks:

Total No. of Lectures-60

Units	Торіс	No of Lectures
I	Traditional Home Science and its Relevance in current era Contribution made by Indian Home Scientists i.e. M Swaminathan, C V Gopalan, S K Day, Ravindra Nath Tagore etc.	03
п	Cell and Digestive System Respiratory and Cardiovascular system	10
III	Food and Nutrition Food- Meaning, Classification and function Nutrition- Concept of Nutrition Nutrients-Macro and Micro, sources and deficiency diseases.	09
IV	Cooking Methods- Methods, Advantages and Disadvantages Preservation of Nutrients while Cooking. Traditional methods of enhancing nutritional value of foodsgermination, fermentation, food synergy etc.	08
	PART B	
V	 Introduction to Human Development: Concept, Definition and need to study of Human Development Domains, Stages and contexts of development Principles of Growth and Development Determinants of Development- heredity and environment 	8

	Prenatal Development and Birth Process:	6
	Conception, Pregnancy and Childbirth Stages of birth	
VI	 Types of delivery (natural, c-section, breech, home vs. assisted delivery) Physical appearance and capacities of the new-born Factors affecting Pre-natal development. 	
VII	 Infancy: Developmental tasks during Infancy and Preschool Stage. Physical and Motor Development. Social and emotional development Cognitive and language development 	8
VIII	 Early Childhood (Pre School) years: Developmental Tasks during Early childhood. Physical and Motor Development Social and emotional development Cognitive and language development 	8

- Dr. Brinda Singh, Manav Sharir evam Kriya Vigyan Panchsheel Prakashan, Jaipur;2015 .15th Ed.
- Chatterjee, C.C, "Human Physiology" Medical Allied Agency; Vol I, II.
- Text Book of Biology for 10+2 Students (NCERT)
- Sumati R Mudami, "Fundamentals of food Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6th Ed. (2018)
- Punita Sethi and Poonam Lakda , "Aahar Vigyan, Suraksha evam Poshan" ; Elite Publishing House, New Delhi ;2015
- Dr. Anita Singh, AaharEvamPoshanVigyan, Star Publications, Agra
- Dr.DevinaSahai, AaharVigyan, New Age International Publishers, New Delhi
- Berk, L.E. Child development New Delhi: Prentice Hall (2005)(5th ed.).
- Berk L.E. Child Development Allyn and Bacon 1992 (6th) Edition.
- Keenan, T., Evans, S., & Crowley, K. An introduction to child development, Sage (2016)
- Hurlock E. Child Development.
- Aadhunik Vikasatmak Manovigyan , Shri Vinod Pustak Mandir Agra Edition 3rd 2015
 - Suggestive digital platforms web links-ePG-Pathshala, IGNOU & UPRTOU online study material Svayam Portal

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

- Seminar/ Presentation on any topic of the above syllabus
- Test with multiple choice questions/ short and long answer questions

Attendance

Courseprerequisites:Tostudythiscourse,astudentmusthavehadthesubject ALLinclass12 th . The eligibility for this paper is 10+2 with any subject
Further Suggestions: It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure.
At the End of the whole syllabus any remarks/ suggestions:

B.A. I Semester I Home Science Paper 2 Cooking skills and healthy recipe development (Practical)

Programr Certit		Year: 1	<u> </u>	Semester: 1		
	Subject: Home Science (Practical)					
	Course Code: A130102P Course Title: Cooking skills and healthy recipe developmen					
Students	 Course outcomes: Students will get familiar with different methods of cooking Acquaint students with practical knowledge of nutrient rich foods 					
	Credits: 2	,		Core Compulsor	ry / Elective	
	Max. Marks: 2	5+75		Min. Passing	Marks:	
		Total No. of Lab F	Periods-30 (60 hours)		
Unit		Topic			No. of lab.periods	
I	- Weigh	cooking skills Weighing of raw materials Preparing of different food items before cooking		06		
П	cooking - Boiling - Roasting - Frying - Pressu	of various dishes using different methods of ng/steaming ing g – Deep/shallow ure cooking ir cooking/Baking		08		
III		yles of cutting fruits and vegetables I Decoration/Dressings		06		
IV	Preparation of nutrient rich dishes - Protein rich dish - Carbohydrate rich dish - Fat rich dish - Vitamins rich dish - Minerals - Fibers		10			

- ❖ Dr. Brinda Singh, Manav Sharir evam Kriya Vigyan Panchsheel Prakashan, Jaipur;2015 .15th Ed.
- ❖ Dr.Nitu Singh, PrayogikGrihVigyan, SahityaPrakashan, Agra
- ❖ Chatterjee, C.C, "Human Physiology" Medical Allied Agency; Vol I, II.
- ❖ Text Book of Biology for 10+2 Students (NCERT)
- ❖ Sumati R Mudami, "Fundamentals of food Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6th Ed. (2018)
- ❖ Punita Sethi and Poonam Lakda, "Aahar Vigyan, Suraksha evam Poshan"; Elite Publishing House, New Delhi; 2015

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Test with multiple choice questions/short and long answer questions
- Menu planning and calculation of nutrient requirement
- Nutritive value calculation of various nutrient rich dishes

Course prerequisites: To study this course, a student must have had the subject...... in class/12th/ certificate/diploma.

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Suggested equivalent online courses

IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad.,
 http://heecontent.upsdc.gov.in/Home.aspx

Further Suggestions:

Students may develop their cooking skills with new healthy recipe development after completion of this course and even start their own food service center.

B.A. I Semester 2 Home Science Paper 1 Introduction to Clothing & Textiles & Family Resource Management (Theory)

Programme/Class: C	Certificate Year: 1		Semest	er: 2	
Subject: Home Scien	nce				
Course Code: A130201T Course Title: Introduction to Clothing and Textiles Management (Theory)			& Family Resource		
 Understanding Learn how fabre Understand base Learn the famie Understand the Gain knowledge 	ope of textile and clothing why fabrics are different rics can be manufactured sic clothing concepts and garment ma ly resource management as a whole. Decision making and use of resource ge about Time, Money & Energy as a usehold Equipments for work simplif	es througho Resource.	ut the Family life cy	rcle.	
Cı	redits: 4		Core Compulsory	/ Elective	
Max. N	Marks: 25+75		Min. Passing M	Iarks:	
Total No. of I	Lectures- 60				
Unit	Торіс			No. of Lectures	
	PART A				
Ι	Introduction a) Introduction to Clothing and Textile (b) Its importance in day-to-day life (c) Scope (d) Classification of textile fiber on the basis of their source (e) General properties of fibersprimary and secondary			7	
П	Knowing Fibers -Manufacture, processing, properties and uses of (a) Cellulosic Fibers-cotton, Linen (b) Protein Fibers-Wool, Silk (c) Synthetic/Manmade fibers-Nylon, Polyester, Acrylic, Rayon.			8	
Ш	Yarn to Fabrics(a) Definition of Yarn, Manufacture of Yarn and Yarn Properties (b) Different fabric construction techniques (Weaving, Knitting, Felting, Braiding, Non-woven) (c) Weaving of Cloth-Terminologies and Steps in Weaving. (d) Types of weaves-Basic and Decorative			8	
IV	Clothing Construction (a) Tools for Clothing construction (b) Introduction to sewing machines, its parts and maintenance, (c) Importance of Drafting, Draping, Flat pattern techniques - advantages & disadvantages (d) fabric preparatory steps for stitching a garment - preshrinking, straightening, layout, pinning, marking and cutting.			7	
	PART	В			
V	Introduction to Home Management: Basic Concepts, Purpose and Obstacles of Management. Process of Management – Planning, Organizing, Controlling and Evaluation. Motivating Factors in Management – Values, Goals and Standards – Definition and Classification.			8	
VI	Resources, Decision making & Family life cycle: Meaning, Characteristics, Types and Factors affecting the use of Resources. Steps and Role of Decision Making in Management. Stages of Family Life Cycle.			8	
	Time, Energy and Money Manage Steps in making Time Plan, Tools an			7	

VII	Energy as a Resource, Work Curve, Fatigue- Types, Causative Factors and Alleviating Techniques. Family income as a Resource, Sources of Income and Expenditure and Saving. Preparation of Family budget in view of family income.	
VIII	Work Simplification and Household Equipments: Meaning and Techniques of Work Simplification, Mundell's Classes of Change. Principle, Use and Care of Household Equipments such as Pressure Cooker, Mixer and Grinder, Refrigerator, Washing Machine, Vacuum Cleaner & Solar Cooker.	/

- Colbmen P Bernard: Textiles Fiber To Fabric
- Hollen & Saddler: Introduction To Textile
- Joseph M: Introduction To Textiles
- Trotman: Textile Fiber Science

Cutting Tailoring And Dress Making: National open School, B-31-B Kailash Colony, New Delhi – 1100048.

- Khanuja, Reena (2018) Grah Vyavastha avam Grah Sajja. Agrawal Publications, Agra ISBN: 978-93-81124-96-3
- R Bhatia & C Arora (1999), Introduction To Clothing And Textile, Printed by Macho Printery, Raopura, Baroda.
- Complete Guide To Sewing By Reader's Digest: published by The Reader's Digest Association (Canada) Ltd. Montreal-Pleasantville, NY, 2002.
- Deacon R.E. and Firebaugh F.M. (1998) Family Resource Management- Principles and application. N. Delhi.: Roy Houghton Mifflin Company.
- Faulkner, R. & Faulkner, S. (1961) Inside Today's Home. Rev. ed. © Holt, Rlnehart & Winston, Inc.
- Gross, I.H. and Crandall, E.H. (1967). Management for Modern Families. N. Delhi: Sterling Publishers Ltd?
- Moorthy G. (Ed.). (1985). Home Management. N. Delhi.: Arya Publishers, Mullick, P. Text book of Home science. Ludhiana.: Kalyani Publishers.
- Nickell, P., and Dorsey, J, M. (2002). *Management in Family Living*. New Delhi: CBS Publishers (ISBN13: 9788123908519)
 - Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.
 - Varma, Pramila. Vastra Vigyaan Avam Paridhan: Madhya Pradesh Hindi Granth Academy, Bhopal.
- Varghese, M. A, Ogale, N. N and Srinivasan, K. (2001). Home Management.

New Delhi. New Age International (P) Ltd.

- Varghese, M.A. Household Equipment Manual, S.N.D.T Women's University, Mumbai.
- Suggestive digital platforms weblinks-

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx .

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Attendance

Courseprerequisites: Tostudythiscourse, astudentmusthavehadthesubject ALL inclass 12th.

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Suggested equivalent online courses:

IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad

• Students may develop their managerial skills after completion this course and may join any filed. As Management of Resources is applicable everywhere.
At the End of the whole syllabus any remarks/ suggestions:

B.A. I Semester 2 Home Science Paper 2 Clothing & Textiles (Practical)

Programme Cerificate	riogramme/Class. Year: 1		mester: 2			
Science)		y and Life Science	`			
Course C	Code: A130202P	Course Title: Cloth	ing and Te	extiles (Practical)		
UnderLearn	ty to identify fib	abrics are different g skills				
	Credits: 2			Core Compulso	ory / Elective	
	Max. Marks:	25+75		Min. Passin	ng Marks:	
Total No. of lab.periods- 30 (60 hours)						
Unit	То	Copic			No. of lab.periods	
I	Identify fibers and fabrics (a)Fibre identification tests- Visua burning and microscopic- natural and synthetic, pure and blended fibres. (b) Weaves identification and understanding their usage.			7		
П	Learning to stitch (a) Knowing how to stitch-an idea of straight-line stitching, stitching on curves and at corners (b) Basic Stitching-Temporary Stitching, Permanent and decorative stitching			7		
III	Basic sewing (a) Seams-Plain seams and its finishing, run & fell seam, French seam (b) Attaching different Fasteners (c) Disposal of fullness-darts, gathers, tucks and pleats (d) Neckline Finishing-Facing & Binding		8			
IV	basic block and	ck (a)Drafting, cutting and stitching of Childs' sleeve block. (b)adaptation to "Gathered er Pan collar and puff sleeves			8	

Suggested Readings:

Further Suggestions:

- Cutting Tailoring and Dress Making: National open School, B-31-B Kailash Colony, New Delhi 1100048.
- R Bhatia & C Arora (1999), Introduction to Clothing and Textile, Printed by Macho Printery, Raopura, Baroda.

- Complete Guide to Sewing by Reader's Digest: published by The Reader's Digest Association (Canada) Ltd. Montreal-Pleasantville, NY, 2002.
- Helen J Armstrong, Pattern Making for Fashion Design, Prentice Hall
- Gerry Cooklin, Introduction to Clothing Manufacture, Blackwell Science, UK, 1991
- Metric Pattern cutting & Grading by Winfred Aldrich.

Khanuja, Reena. Vastra Vigyaan ke Sidhant, Agrawal Publication, Agra. Suggestive digital platforms weblinks.
Suggestive digital platforms weblinks- System Portal
Svayam Portal,
http://heecontent.upsdc.gov.in/Home.aspx
This course can be opted as an elective by the students of following subjects: Open for all
Suggested Continuous Evaluation Methods:
 Preparation of samples of various types on fabrics.
• Evaluation of Prepared garment.
 Record file preparation and evaluation, Attendance.
Courseprerequisites: Tostudythiscourse, astudentmusthavehadthesubject ALL inclass 12 th .

B.A. 2 Semester 3 Home Science Paper 1 Advance Nutrition and Human Development (Theory)

Programme/Class: Diploma	Year: 2	Semester: 3		
Subject: Home Science				
Course Code: A130301T Course Title: Advance Nutrition and Human Development (Theo				

Course outcomes:

The student at the completion of the course will be able to:

- Create an awareness about importance of healthy meal at various stages of life cycle
- Inculcate healthy eating practices among students
- Develop skill of meal planning for different physiological groups
- Explain the Physical & Psychological changes during middle childhood, adolescent and adulthood stage. Identify the biological and environmental factors affecting personality.
- Learn about the characteristics, needs and developmental tasks of Middle childhood years, Adolescent & Adulthood stage.

Credits: 4	Core Compulsory / Elective
Max. Marks: 25+75	Min. Passing Marks:

Total No. of Lectures-60

Unit	Topic	No of Lectures
I	Meal Planning- Definition, importance, factors affecting meal planning, Balanced Diet, RDA	07
II	Nutrition During Infancy and Childhood- Nutrition Requirement, RDA and Diet Plan	07
III	Nutrition During Adolescence, Adulthood and Old Age. Nutrition Requirement, RDA and Diet Plan	08
IV	Nutrition During special condition pregnancy and lactation Nutrition Requirement, RDA and Diet Plan.	08
	PART B	
V	Middle Childhood Years Developmental tasks and characteristics of middle childhood period	8
	Physical and motor development	

	Social & emotional development	
	Cognitive development	
	Language development	
VI	Puberty and Adolescence	8
	 Development tasks and characteristics 	
	• Significant Physical physiological and hormonal changes in puberty.	
	Self and Identity, Factors influencing Identity& Personality	
	development.	
	• Family and peer relationship Problems – Drug and Alcohol abuse, STD, HIV/AIDS, Teenage pregnancy.	
	Cognitive, Language and Moral Development during Adolescence:	
VII	Perspective on cognitive development, development of intelligence and Creativity	7
	Adolescent language	
	Adolescent Morality	
VIII	Introduction to adulthood:	7
	 Concept, transition from adolescence to adulthood 	
	 Developmental tasks of Adulthood 	
	Physical and physiological changes from young adulthood	
	to late adulthood	
	Responsibilities and adjustments-educational, occupational, marital and parenthood	

- Sheel Sharma, "Nutrition and Diet Therapy, Peepee Publishers, New Delhi; 2014
- Ankita Gupta "Text book of Nutrition" Medico Refresher Publisher, Agra, 2018
- Subhangini A Joshi; Nutrition and Dietetics, Mc Graw Hill Education, Private Ltd.
- Kumud Khanna, "Text book of Nutrition and Dietetics", Elite Publishing House Pvt. Ltd, New Delhi, 2013, 7th Ed.
- Swaminathan M, " Essentials of Food and Nutrition Vol I and II
- Monaster G.J. 1 Adolescent Development Life Tasks. Mc. Graw Hill (1977).
- Ambron S.R. Child Development Holt, Renehart and Winston 1978 (IInd Edition).
- Mussen P.H. Conger J.J. Kagan J and Huston A.C. 1990. Child Development and Personality (VI Edition) Harper and Row Publishers New York.
- Boeknek G. Human Development Brook and Cole Publishing Company 1980.
- Aadhunik Vikasatmak Manovigyan , Shri Vinod Pustak Mandir Agra Edition 3rd 2015
- Harpalani. Aahar Vigyaan avam Upcharatmak Poshan, Star Publications, Agra.
- Suggestive digital platforms web links- IGNOU & UPRTOU online study material

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Attendance

Course prerequisites: To study this course, a student must have had the subjectin class/12 th / certificate/diploma.
<u>-</u>
Suggested equivalent online courses:
IGNOU and other centrally/state operated Universities/MOOC platforms such as

"SWAYAM" in India and abroad Further Suggestions:

Students can opt. dietitian, nutrition advisor/ Nutritionist as a career in private and government sector as well as extend knowledge by joining advance course in same discipline.

It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure.

At the End of the whole syllabus any remarks/ suggestions:

B.A. 2 Semester 3 Home Science Paper 2 Human Development (Practical)

		tumum Beveropine	(1 1 11 10 11	cu1)		
Programme/Class: Diploma		Year: 2		Sen	nester: 3	
Subject: Co Science)	ommunity & F	Essential Science	(Home			
Course	Code: A130302P	Course Title: Adv	vance HUN	IAN developmen	t (Practical)	
Course out	comes:					
UndAble	rn to cope up wit lerstand and hand e to know human lerstand individua	h adolescent and ad le development rel behaviour. l differences.	dulthood prated issues	oblems. more efficiently.		
Credits: Core Compulso				ory / Elective		
Max. Marks: 25+75 Min. Passin					ng Marks:	
Tota	al No. of lab.peri	ods-30(60 hours)				
Unit	То	ppic			No. of lab.periods	
I	children.	n album on developmental milestones of		8		
	Prepare child lit Visit to Child C	are Centres/ anganwadi				
П	development (a	f child rearing practices in families from		8		
Ш		ws of adolescent girls and boys to understand their life shaviour and problems.		7		

1V	Carry out case studies to know more about the different life stages, e.g., school going children, adolescents, Young adults. (any two)	7
\$	Suggested Readings:	
1. Monas	ster G.J. 1 Adolescent Development Life Tasks, Mc.Graw Hill (1977).

- 2. Ambron S.R. Child Development Holt, Renehart and Winston 1978 (IInd Edition).
- 3. Mussen P.H. Conger J.J. Kagan J and Huston A.C. 1990. Child Development and Personality (VI Edition) Harper and Row Publishers New York.
- 4. Boeknek G. Human Development Brook and Cole Publishing Company 1980.
- 5. Aadhunik Vikasatmak Manovigyan , Shri Vinod Pustak Mandir Agra Edition 3rd 2015

Suggestive digital platforms web links- ePG- Pathshala, inflibnet, IGNOU & UPRTOU online study material.

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

- Assessment of observation report.
- Preparation of questionnaire.
- Visits Records.
- Attendance.

Courseprerequisites: Tostudythiscourse, astudentmusthave had the subject ALL.. inclass 12th. The eligibility for this paper is 10+2 with any subject

B.A. 2 Semester 4 Home Science Paper 1 Housing & Extension Education (Theory)

Programme/Class: Diploma	Year: 2	Semester: 4
Subject: Home Science		
Course Code: A130401T Course Title: Housing & Extension Education (Theory)		
Course outcomes:	· · · · ·	
Grasp knowledge of Ho	ousing need & selection of site	e in real life situations.

- Grasp knowledge of Housing need & selection of site in real life situations.

 Comprehending Housing plans for residential purpose.

 Appreciate principles of design and the contributing factors to refine personal aesthetic senses.

 Learn the widening concepts of Extension Education.

 Develop understanding for Effective teaching and learning.

 Comprehend the various effective communication methods.

 Gain skills to use technologically advanced Audio-visual aids.

Credits: Core Compulsory / Electi		ory / Elective		
	Max. Marks: 25+75	Min. Passing Marks:		
То	tal No. of Lectures- 60			
Unit	Topic		No. of Lectures	
I	Housing: Needs of a House, Differ Home, way to acquire house (Own influencing selection and purchase building.	8		
II	House Planning: Principles of hou different residential spaces in a hou different income groups.		7	
III	Interior Designing: Introduction to Importance of good taste. Objective Elements of design – Line, Shape, Light & Space. Principle of design Rhythm, Emphasis, Harmony.	8		
IV	Home Decers: Furniture Eurnishings (Curtain Dronaries			
		01: .: 0		
V	Extension Education: Meaning, C Principles, Philosophy of Extension Extension Efforts in India. Formal	8		
VI	Extension Teaching & Learning: Role and Qualities of an			
	Communication & Extension Tes	-		

Definition, Importance, Characteristics, Elements, Models

VII	&Challenges in communications. Relationship between	Q
V 11	Communication, Extension & Development.	O
	Extension Teaching Methods- Classification, Factors guiding	
	the Selection & use of Extension teaching methods.	
VIII	Audio- visual Aids: Definition, Importance, Classification,	7
VIII	Selection, Preparation & Effective use of Audio-visual Aids.	/

- Khanuja, Reena (2018) Grah Vyavastha avam Grah Sajja. Agrawal Publications, Agra ISBN: 978-93-81124-96-3
- Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.
- Cherunilam, F., & Hedggade, O. D. (1987). Housing in India. Bombay: Himalaya Publishing House.
- Craig, H.T. and Rush, O.D. (1966). Homes with Character. Heath, 1966.
- Faulkner, R. & Faulkner, S. (1961) Inside Today's Home. Rev. ed. © Holt, Rlnehart & Winston, Inc.
- Goldstein. H & Goldstein V. (1954). Art in Everyday Life Macmillan Publishers.
- Rutt, A.H. (1963) Home furnishing. John Wiley & Sons, Inc.;
- Supriya, K.B. (2004). Landscape gardening and designing with plants. Pointer Publishers.
- Teresa, P. Lanker. (1960). Flower Arranging: Step-by-step Instructions for Everyday Designs. Florist

Review

Aggarwal, R. (2008). "Communication-today and tomorrow", New Delhi.: Sublime Company

Dubey V.K, Srivastava Archana, Agrawal Garima, Grah Vigyan Prasar Avam Sampreshan. Star Publications Agra.

Harpalni B.D. Patni. Manju, (Prasar Shiksha Avam Sanchar) Star Publications, Agra. ISBN 978-93-81246

Shaw Geeta Pushp, Shaw Jois Sheela, Prasar Shiksha, Vinod Pustak Mandir Agra. ISBN 81-7457-104-3

- Dahama, O.P., & Bhatnagar, O.P.[1998]. "Education and Communication for Development". New Delhi. - Oxford and IBH Publishing Co. Pvt.Ltd.
- Jaipal Singh." Prasar Shiksha avam Gramin Vikas" SR Scientific Publications, Agra
- Reddy, A. [1987]. "Extension Education". Bapatha, Andra Pradesh, India.: Sreelekshmi
- Supe A.N. (1983). An introduction to Extension Education. Delhi: Oxford IBH Publishing
- 2. Suggestive digital platforms weblinkshttp://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar / presentation on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Preparation of Audio-visual aids.
- Attendance.

Courseprerequisites: Tostudythiscourse, astudentmusthavehadthesubject ALL.. inclass 12th.

Suggested equivalent online courses:

IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad.

Further Suggestions: It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure. Extension work will speed up the (1) Man Environment; (2) Basic structures (Gram Panchayat, Village School and Cooperative Societies) etc.
At the End of the whole syllabus any remarks/ suggestions:
•••••

B.A. 2 Semester 4 Home Science Paper 2 Resource Planning & Decoration (Practical)

Programme/Class: Diploma			Year: 2		Sen	nester: 4
Subject: Con Science)	nmunity and	Essential	Science	(Home		
Course Code:	A130402P	Course Ti	itle: Resou	ırce Planni	ng and Decoration	n (Practical)
	Course outcomes: Developing skills for making time plan for effective balance of work & leisure.					t leisure.
• Plan &	prepare budget	for the far	mily.			
• Incorp	orate appropriate	e work sin	nplificatio	on in using l	household equipe	ments.
• Develo	pp understanding	for house	e planning	g & decorat	ion.	
	Credits:				Core Compulso	ory / Elective
	Max. Marks: 25+75 Min. Passing Marks:			g Marks:		
Total No. of lab.periods-30 (60 hours)						
Unit	To	pic				No. of lab.periods
I		paration of time plans for self and family. Sting family budget for different income groups.			8	
П	cooker,	Survey of Household Equipments- (Pressure Foaster, Gas Stove, Mixer & Grinder, ator, Washing machine, Microwave, Solar		8		
Draw House Plans Standard Specifications & Furniture Layout.			7			
IV	Preparation of Color wheels & Color schemes. Flower Arrangement & Floor Decoration (Rangoli)- Application of Design principles and Elements of Art, Innovation of new styles.		7			

- Alexander. N.J., (1972). Designing Interior Environment. New York: Harcourt Brace,
- Bhargava, B. (2005). Family Resource Management and Interior Decoration, Jaipur: Apple Printer and V. R. Printers.
- Faulkner, R., and Faulkner, S. (1975). Inside Today's Home, New York: Rinehart.
- Gandotra, V., and Jaiswal, N. (2008). Management of Work in Home, New Delhi: Dominant Publishers and Distributors. (ISBN No. 81-7888-526-3)
- Harmon. S., and Kennon, K. (2018). The Codes Guidebook for Interiors (5thEd.). New York: Wiley (ISBN: 978-1-119-34319-6)
- Johanovich Inc. Ball, V. K. (1982). Art of Interior Design. New York: John Wiley & Sons.
- Leach, S. D. (1978). Techniques of Interior Design Rendering and Presentation (1st Ed.). Architectural record Books (ISBN-13: 978-0070368057)
- Mohanty, A.B. (1985). Guide to House Buildings. New Delhi: Inter India Publications
- Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.

Suggestive digital platforms weblinks-

- bit.ly/3fJfghi
- https://bit.ly/39mTwGO
- https://bit.ly/2JoXB2e
- https://bit.ly/3ljkrWf. Svavam Portal.

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all	Į
Constant Continuous Franketina Malada	

Suggested Continuous Evaluation Methods:

- Assessment of Time-Energy, Budget &House Plans.
- Assessment of Market Survey Records.

 Assessment of Flower Arrangements and Po

• Assessment of Flower Arrangements and Rangoll.	
Attendance.	
Courseprerequisites: Tostudythiscourse, a student must have had the subject ALL in class	$s/12^{th}$.
Suggested equivalent online courses:	_
IGNOU & Other centrally/state operated Universities/ MOOC platforms such as	
"SWAYAM" in India and Abroad	

Further Suggestions:

Students may develop their managerial skills & Interior designing skills after completion this course with the capability to opt for a job or start their own ventures. The program giving an opportunity to advancement their knowledge by enrolling for advanced specialized program of their own area of need & interest.

At the End of the whole syllabus any remarks/ suggestions:

B.A. 3 Semester 5 Home Science Paper 1 Surface Ornamentation of fabrics(Theory)

	Programme/Class: Year: 3 Sen		mester: 5				
Subject: Hon	Subject: Home Science						
Course	Code: A130501T	Course Title: Surfa	ce Orname	ntation Of Fabric	es (Theory)		
Course outco	omes:						
IdentLearrKnovLearrKnovIdent	 Knowing why fabrics look differently Identify the different techniques of fabric from surface Learn about finishes done on fabrics Knowing about dyeing fabrics Learn how printing on fabrics is carried Knowing the traditional embroideries of India Identifying traditional textiles of different states Knowing the importance of appropriate laundry method 						
Credits: 4 Core Compulsory / Elective							
Max. Marks: 25+75 Min. Passing Marks:							
Total	Total No. of Lectures- 60						
	al No. of Lectures-				No. of		
Unit		Topics			Lecture		
I	finishing of fabrics	eating variety on fabrics (a) weaving(b) (c) dyeing of fabrics(d) printing fabrics(a) her decoration methods			8		
Finishes (a) Classification of fabric finishes (b) Study of purpose and process of finishes (i) General Purpose finishes-Bleaching, Mercerization, Calandering, Sanforization, Tentering, Singeing, Scouring (ii) Functional Finishes			8				
Dyeing (a) Classification of dyes- Natural v/s Synthetic, advantages and limitations (b) Theory of dyeing (c) Properties and use of Dyes-Basic, Acidic, Direct, Azoic, Natural, Sulphur, Vat, Disperse and Reactive dyes (d) Resist Dying Techniques-			8				

	Tie & Die, Batik.	
IV	Printing (a) Direct printing- Block, Screen, Stencil, Roller (b) Transfer printing (c) Discharge printing, Resist printing (d) Polychromatic, Inkjet and Digital printing techniques (e) After treatment of dyed and printed goods	8
V	Traditional Embroideries : Meaning and status of traditional craf India, Knowing about the Traditional Embroideries of different s Zardozi, Kashida of Kashmir, Phulkari of Punjab, Kantha of Ben Chikankari, Kasuti, of UP, Sindh and Kutch work of Gujarat.	6
VI	Traditional Textiles: Knowing the Traditional textiles of different states of India (a) Woven fabrics- Baluchars, brocades, Kashmir carpets, Patola, Ikat, Pochampalli, Chanderi (b) Printed, painted and dyed-Sanganeri, Bhagru, Kalamkari, Madhubani, Bandhani.	7
VII	Water(a) Water and its uses in textile industry, properties, (b)types of water used for processing (c) Hardness and removal of Hardness of water.	7
VIII	Laundry and dry cleaning of fabrics and garments (a) Methods of Laundry and Dry cleaning (b) Dry cleaning process (c) Reagents of Laundry-Blues, Bleaches, Optical Brighteners, Stiffening agents (d) Types of soaps and detergents (e) Cleaning action of soaps and detergents.	8

- Marsh JT: Textile Finishes
- Trotman Er: Dyeing And Chemical Technology Of Fibres
- Joseph M: Introduction To Textiles
- Corbman P Bernard: Textiles- Fibre To Fabric
- Hollen & Saddler: Introduction To Textile
- J. Hall: The Standard Hand Book Of Textiles, Wood Head Publication, 2004
- J.E. Smith: Textile Processing –Printing, Dyeing, Abhishek Publishing, 2003
- Kate Broughton: Textile Dyeing, Rockport Publishers, 1996
- W.S. Murphy: Textile Finishing, Abhishek Publication, 2000
- Naik.D. Shailiaja:Traditional Embroideries Of India, New Age International Publishers, 1996
- Naik.D. Shailiaja, Jacquie.A.Willson: Surface Designing Of Textile Fabrics, New Age International Publishers, 2006
- Bhargav, Bela. Vastra Vigyaan, Univ. Book House Pvt. Avam Dhulai Kala, University Book House Pvt Ltd. Jaipur
 - Patni .Manju, Vastra Vigyaan Avam Paridhan ka Parichay ,Star Publications, Agra.

Suggestive digital platforms weblinks-

Swayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

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This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Subjective long questions

Attendance.	
Courseprerequisites:Tostudythiscourse,astudentmusthavehadthesubject	ALL inclass/12 th .

B.A. 3 Semester 5 Home Science Paper 2 Community Development & Programme Planning (Theory)

Programme	e/Class: Degree	Year: 3		Ser	mester: 5						
		1 car. 3									
Subject: Home	Subject: Home Science										
Course (Course Code: A130502T Course Title: Community Development & Programme planning (Theory)										
Unde DeveCreatIdent	Course outcomes:										
• Impa	rt skills to implei	ment, monitor & ev	aluate prog	rammes.							
	Credits: 4			Core Compuls	ory / Elective						
	Max. Marks:	25+75		Min. Passir	ng Marks:						
Total	No. of Lectures	s- 60									
Unit		Topic			No. of Lectures						
I	Community Development: Meaning, Definition, Functions. 8										
Community Development Organization: Meaning, Types, Principles, Role & Administrative Structure at the National, State, District, Block & Village levels.											
III	Home Science Extension Education in Community 7										

	Recent Development Programme for Women & Children:	
IV	Support to Training & Employment for women (STEP),	7
	Swarn jayanti Gram Swarojgar Yogna (SGSY), Integrated	
	Child Development Services (ICDS) etc.	
	Support Service of Youth Development: NCC, NSS, Youth	_
V	Camp	7
	Youth Clubs etc.	
	NGO & Others: Contribution towards community services,	
VI	Types & Role of NGO - WHO, CARE, UNICEF, UNESCO,	8
	UNDP, CRY, HELP-AGE INDIA.	
	Leadership: Concept, Definitions, Types, Importance,	7
VII	Function and Role of Community leaders. Methods of	
	Identifying and Training of leaders.	
VIII	Programme Planning: Programme planning component	8
VIII	cycle and its components-	O
	(i) Designing the project – Defining the objectives, Identifying	
	resources, approach, feasibility and Work plan.	
	(ii) Implementation.	
	(iii) Monitoring and Evaluation.	

- Clark John. (1991). Voluntary Organizations: Their Contribution to Development. London: Earth Scan
- Dahama, O.P., & Bhatnagar, O.P. "Extension & Rural Welfare". New Delhi: Oxford and IBH Publishing Co. Pvt. Ltd.
- Ghosh Bhola Nath, (1996), "Rural Leadership & Development" Mohit Publications, New Delhi.
- Julie Fisher. (2003). Governments, NGO's and the Political Development of the Third World. Jaipur: Rawat Publications
- Mohsionnadeem, (1985), "Rural Development through Government Program" Mittal Publications New Delhi.
- Manju Patni & Harpalini, (2018) Prasar Shiksha avam sanchar, Star Publications, Agra.
- Reddy, A [1987]. "Extension Education". Bapatha, Andra Pradesh, India.: Sreelekshmi Press
- Ravi Shankar Kumar Singh. (2003). Role of NGO's in Developing Countries (Potentials, Constraints and Policies). New Delhi: Deep & Deep Publications (P) Ltd

Suggestive digital platforms weblinks

- https://bit.ly/313Ayaj
- https://bit.ly/35RnyAi
- https://www.un.org/en/universal-declaration-human-rights/
- https://www.un.org/womenwatch/daw/cedaw/text/econvention.htm
- https://www.ohchr.org/EN/ProfessionalInterest/Pages/CRC.aspx
- https://www.undp.org/content/undp/en/home/sustainable-development-goals.html
- https://bit.ly/39ROD8X
- https://www.unicef.org/
- https://www.who.int/about
- https://www.careindia.org/

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.

• Attendance.		
Courseprerequisites:Tostudythiscourse,astudentmusthavehadthesubject	ALL inclass12 th	_

B.A. 3 Semester 5 Home Science Paper 3 Community Transforming (change) (Practical)

Programme/Class: Degree		Year: 3 Sen		mester: 5					
Subject: Home	Subject: Home Science								
Course C	Course Code: A130503P Course Title: Community Transformation (Change). (Practic								
AddreMakeUnder	Course outcomes: • Address & resolve women & family related issues. • Make use of Audio-visual aids in planning & conducting group communication • Understand the role of Government bodies in development of the community. • Organizing people for their own development.								
	Credits: 2			Core Compuls	ory / Elective				
	Max. Marks: 2	25+75		Min. Passir	ng Marks:				
Total	No. of lab.perio	ods 30(60 hours)							
Unit	То	pic			No. of lab.periods				
I	help nutr	the target group & ition, Education, V by preparing a rep	Vomen's &		8				
Observe & Critical analysis nearby community of women & children related welfare programme followed by the preparation of report.					7				
III	* 1 1 1								
IV	 IV Identity to create an awareness on the existing contemporary issues. Develop a script in the Folk drama (Nukkad Natak) format to perform in the target group. 								

- Mondal Sagar, Misra OP (2018) "Fundamentals of Extension education & Rural Development", Kalyani Publications, New Delhi.
- Mortiss PD (1988) Agricultural Extension- Practical Manual" Department of Primary Industries, Queens Land Government.
- Pradhan.K. Varaprasad.C (2018) Glimpses of Practical in Extension Education, New India Publishing Agency. New Delhi
- Jaipal Singh." Prasar Shiksha avam Gramin Vikas" SR Scientific Publications, Agra
- 1. Suggestive digital platforms weblinks-

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This c	ourse	can	be	opted	d as	an	ele	ctiv	e t	Эy	the	stı	ıder	its	of:	foll	ow	ing	g si	ıbj	ec	ts:	O	pen	for	r a	1
						 .	 .																				

Suggested Continuous Evaluation Methods:

- Assessment of Audio-visual Aids and their use.
- Assessment of techniques and communication skills.
- Assessment of Educational Plan and Visits Record.
- Attendance.

Courseprerequisites:Tostudythiscourse,astudentmusthavehadthesubject	ALL inclass 12 th .
	• • • • • • • • • • • • • • • • • • • •

B.A. 3 Semester 5 Home Science Paper 4

Research Project

Programme/Class: Year: 3			Semester: 5						
Graduation									
Subject: Com	Subject: Community and Life Science (Home Science)								
Course Code	: A130504R	Course Title: Res	earch proje	ct					
Course outco	mes:								
Learns to con	nmunicate with	community around							
		terview schedule							
		ms being faced in c	community						
Increases awa	areness of candi-	date.							
G 1': 2				1 / 171 .:					
Credits: 3			Core Con	pulsory / Electiv	e				
Max. Marks:	25+75		Min Pass	ing Marks:					
TVIAZI. TVIAITIST	20 . 70		1,1111. 1 655	ing mans.					
Total No. of	lectures-45 hou	rs							
T.T., 14	T:-				N C1				
Unit	Topics				No. of hours				
I	12								
1	Survey of community services surrounding living area of candidate								
	The Candidate has to explore the surroundings and study /								
	identify proble	em in any one of th	e following	5. •					

	It many include Anganwadi/ Health services/ Market / Dairy/ Agricultural farmland / NGO / Crèche/ Nursery School/ Hospital/ Fitness center/ Diet councellor/ Boutique/Balwadi/ Youth center/ Primary school/ Vridha Ashram(old age home)/ Divang school/ Mentally challenged institution/ Village panchayat / School councellor/ Dyeing or printing Unit/ Cottage level embroidery or food processing unit / SHGs/ Bank schemes/ Subsidies available/ Industry producing consumer goods	
II	Seek permission to carry the visits, Plan Visits to the area/ site for developing an understanding	11
III	Develop a tool for conducting a survey of the selected area and collect data from the area/ seek permission to conduct short training in the area.	12
IV	A detailed Report to be prepared and submitted.	10

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

Prepare Survey or tool on any one of the above areas

Collection of data related to the area.

A letter certifying the authenticity of work done from the mentor

Report of the identified problems and survey conducted.

Course prerequisites: To study this course, a student must have had cleared the 4th semester

B.A. 3 Semester 6 Home Science Paper 1 Therapeutic Nutrition(Theory)

Programme/C Certificate	Programme/Class: Year: 3 Semester: 6				
Subject: Ho	me Science				
Course Code	tion				
Course outcor	mes:				
2-Develop an	d understand me	les of diet therapy odification of the no tary management in	ormal diet f	for therapeutic pu nmon disorders	rposes
Credits: 4			Core Con	npulsory / Elective	e
Max. Marks:	25+75		Min. Pass	sing Marks:	
Total No	o. of Lectures-60)			
Unit		Topics			No. of Lectures
I	b) Importancec) Facts aboutd) Objectives	of Health Dietetics a of Diet Therapy fast foods/Junk foo of therapeutic Diet of diet therapy	07		
Diet and feeding methods a) Modification of normal diets for therapeutic purposes b) Methods of modification • On the basis of nutrients • On basis of consistency c) Different feeding methods • Oral feeding • Tube feeding					07
III	b) MeasuremeDirect oIndirectc) Factors infl	olism ic value of food ent of energy exchan calorimeter calorimeter uencing the Basal M uencing the total en	1etabolic Ra	nte	08

IV	Diet during fevers and infections a) Introduction to fever –Acute fever —Chronic fever b) Important changes in nutrition during fever c) Modification of the diet	07
V	Diet during Digestive system disorders a) Peptic ulcers—Causes, symptoms and diet modification b) Diarrhea and Constipation—Causes, treatment and diet modification	08
VI	Weight Management a) Overweight and Obesity —Introduction to Obesity —Causes of Obesity —Diet Modification b) Underweight —Causes —Treatment —Diet Therapy	07
VII	Therapeutic Diets in Cardiac Diseases a) Atherosclerosis —Introduction —Dietary factors influencing lipid level in blood —Modification of diet and Meal Pattern b) Hypertension —Causes and symptoms —Diet in Hypertension	08
VIII	Endocrinal Disorders a) Introduction to endocrinology b) Various endocrine glands and their functions: Thyroid, Adrenal and Pancreas c) Diabetes Mellitus—occurrence types, symptoms, metabolic changes, dietary modification and educating the patient	08

- ❖ Sumati R Mudambi "Fundamentals of food, Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6th Edition (2018).
- ❖ B Srilakshmi- "Dietetics", New Age International Publishers, New Delhi 2017
- ❖ Bamji MS, Krishnaswamy K and Brahmam GNV(Eds) (2009), Text book of Human Nutrition, 3rd Edition, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi
- Dr. Brinda Singh- Aahar Vigyan evam Poshan, , Panchsheel Prakashan, Jaipur, 2015; 13th Ed.
- ❖ Dr.DevinaSahai, SamanyaEvamUpcharatmakPoshan, New Age International Publishers.
- ❖ Dr. Sheel Sharma, "Nutrition and Diet Therapy" PEEPEE Publishers and Distributers (P) Ltd. Delhi, 2014, Ist Ed.
- ❖ Shubhangini A Joshi, "Nutrition and Dietetics", Mc Graw Hill Education Private Ltd., New Delhi, 2013
- ❖ Kumud khanna—"Text book of Nutrition and Dietetics", Elite Publishing House Pvt. Ltd, New Delhi, 7th Ed. 2013

❖ M Swaminathan – Essentials of food and Nutrition, Vol II, Applied Aspects, The Bangalore Printing and Publishing Co. Ltd, Bangalore, 2 nd Edition 1985, Reprint 1997
This course can be opted as an elective by the students of following subjects: Open for all
Suggested Continuous Evaluation Methods:
 Test with multiple choice questions/short and long answer questions
 Menu planning and calculation of nutrient requirement
Seminar on any above topics
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.
Suggested equivalent online courses:
IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad http://heecontent.upsdc.gov.in/Home.aspx
Further Suggestions:
• Students can opt. dietitian, nutrition advisor/ Nutritionist as a career in private and government sector as well as extend knowledge by joining advance course in same discipline.
At the End of the whole syllabus any remarks/ suggestions:

B.A. 3 Semester 6 Home Science Paper 2 Research Methodology and Gender Development (Theory)

Programme/C	lass: Degree	Year: 3	Sen	nester: 6					
Subject: Community & Essential Science (Home Science)									
Course Cod	Course Code: A130602T Course Title: Research Methodology and (Theory)								
Course outcome	Course outcomes:								
The student at the	The student at the completion of the course will be able to:								
 Explain 	the concept and use of	f Research.							
 Develop 	a research proposal.								
 Learn ab 	out the data, sample a	and report writing.							
ConductTo deveTo unde	lop insight into the G	eneral issues of women.							
	Credits: 4		Core Compulso	ory / Elective					
	Max. Marks: 25+75		Min. Passin	ing Marks:					
Total N	o. of Lectures-Tutori	als- 60Lectures							
Unit	Торі	c		No. of					
				Lectures					
	PART A								
I	Social Research:								
1	• Concept,			6					
	• Scope,								
	• Steps of re	search							
II	Sampling			6					
11		pt, Techniques, Principles and	Limitations of	O					
	sampli	ng.							
1111	Data Collection:	Data Callacticos Doing	0- C1-:	8					
III		Data Collection: Primary	· ·	8					
	Tools of Data collection: Interview schedule,								
		on, Questionnaire f data collection							
		1 data confection							
IV	Report Writing	Conclusion and Decommo	ndations	10					
	•	Conclusion and Recomme	nuations						
	Writing re	rerences							

• Writing process of research report: Formal Style of

writing, Preface, Chapterization, Headings, Tables and

	Figures, Appendices, Bibliography and			
	Acknowledgement			
	PART B			
V	Women in Development: Capacity Building for women-	8		
·	Education, Decision Making abilities, Opportunities,			
	Awareness & Information on social and legal issues.			
VI	Women's Organizations & Collective Strength: Women's	7		
V I	action groups and women's participation in development	1		
	initiative.			
	Employment Trends of women: Need for self-employment,			
VII	Opportunities & challenges in an organized and un-organized	7		
VII	sector.	,		
VIII	Entrepreneurship Development to empower women:	8		
	Motivation, Development of women entrepreneurs in India,	O		
	Schemes available to encourage women entrepreneurship. (a)			
	Bhartiya Mahila Bank Business Loan (b) Annapurna Scheme.			
	(c) Stree Shakti Package (d) Mudra yojana scheme for			
	women. (e) Mahila udyam nidhi scheme.			

- 1. C. R. Kothari: Research Methodology- Method and Techniques
- 2. R. Kumar: Research Methodology: A step by Step Guide for Beginners
- 3. M. H. Gopal: Introduction to Research Methodology for Social Sciences
- 4. Good, Carter, Scales and Douglas: Methods of Research
- 5. Bhasin, Kamla (2000). Understanding Gender. New Delhi. Kaali for Women.
- 6. Devi, Uma (1994). Women Work, Development and Ecology. New Delhi, Har-Anand Publications.
- 7. Krishna, Sumi (2007). Women's Livelihood Rights: Recasting Citizenship for Development, New Delhi, Sage Publications.
- 8. Sohoni, K Neerj, (1994), Status of Girls in Development Strategies, New Delhi, Har-AnandPublications.
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- 11. Taneja & Gupta, 2001, Entrepreneur Development- New Venture Creation, Galgotia PublishingCompany
- 12. Patni, Manju. Anusandhan Vigyaan, Star Publications, Agra.
- 13. Sudha, G.S. Vyavsayik Prabandh ke Siddhant avam Udyamita, RBD Publications.
- 14. Gupta ,U.C.Udyamita Vikas, Kailash Pustak Sadan, Bhopal

Suggestive digital platforms web links- e-PG Pathshala - Inflibnet

This course can be opted as an elective by the students of following subjects: Open for all

• The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

- Seminar/ Presentation on any topic of the above syllabus
- Test with multiple choice questions/ short and long answer questions
- Attendance

Courseprerequisites: Tostudythiscourse, astudentmusthavehadthesubject ALL inclass 12th.

• The eligibility for this paper is 10+2 with any subject

Suggested equivalent online courses:

• IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad.

Further Suggestions:

It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure.

At the End of the whole syllabus any remarks/ suggestions:

B.A. 3 Semester 6 Home Science Paper 3

Therapeutic Diet Preparation and Nutrient Evaluation (Practical)

	ne/Class: ficate	Year: 3	3	Se	emester: 6	
Subject: Home Science(Practical)						
Course Code	Course Code: A130603P Course Title: Therapeutic Diet Preparation and Nutrient Calculation					
Course outcom	es: 1- Gain kn	owledge of principl	es of diet the	herapy		
2-Develop and	understand me	odification of the no	ormal diet f	for therapeutic pu	irposes	
3- Practical know	owledge of die	tary management ir	some com	nmon disorders		
	Credits: 2	,		Cora Compulso	ry / Flactiva	
					Core Compulsory / Elective	
Max. Marks: 25+75 Min. Passin			Min. Passing	g Marks:		
Total No. of	lab.periods -3	0(60 hours)				
Unit		Торіс			No. of lab.periods	
I	Modification a	Modification of normal diet for therapeutic purposes- preparation and presentation		06		
П	Therapeutic Diet Preparation and Nutrient Calculation of		08			
Ш	some C - Diet in - Diet in	Therapeutic Diet Preparation and Nutrient Calculation of some Common Disorders - Diet in diabetes Mellitus - Diet in Hypertension - Diet in Atherosclerosis		08		
IV	and Nutrient - Overw	ary Modification for weight management – Preparation Nutrient Calculation of diet in- Overweight & obesity Underweight		08		

Sumati R Mudambi – "Fundamentals of food, Nutrition and Diet Therapy", New Age

- International Pvt. Ltd, New Delhi, 6th Edition (2018).
- ❖ B Srilakshmi- "Dietetics", New Age International Publishers, New Delhi 2017
- ❖ Bamji MS, Krishnaswamy K and Brahmam GNV(Eds) (2009), Text book of Human Nutrition, 3rd Edition, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi
- Dr. Brinda Singh- Aahar Vigyan evam Poshan, , Panchsheel Prakashan, Jaipur, 2015; 13th Ed.
- ❖ Dr. Sheel Sharma, "Nutrition and Diet Therapy" PEEPEE Publishers and Distributers (P) Ltd. Delhi, 2014, Ist Ed.

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Test with multiple choice questions/short and long answer questions
- Menu planning and calculation of nutrient requirement

Course prerequisites: To study this course, a student must have had the subject..... in class/12th/ certificate/diploma.

Suggested equivalent online courses:

IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

Further Suggestions:

Students can opt. dietitian, nutrition advisor/ Nutritionist as a career in private and government sector as well as extend knowledge by joining advance course in same discipline.

B.A. 3 Semester 6 Home Science Paper 4

Research Project

Dragramma/Class

Tiogramme/Class.	1 6a1.5		Semester. 0		
Graduation					
Subject: Community and Life	Subject: Community and Life Science (Home Science)				
` , ,					
Course Code: A130604R	Course Title: Research Project II				
Course outcomes:					
Learns to communicate with	Learns to communicate with community around				
	Becomes sensitive to needs of the society where she lives				
Tries with some intervention	Tries with some intervention plan for problems faced in community				
Improves writing and presentation abilities of the candidate.					
Credits: 3		Core Compulsory / Elective			
1 9					
Max. Marks: 25+75		Min. Passing Marks:			
Total No. of Lectures- 45(hours)					
TT '				N	
Unit Topics				No. of	

		Lecture s(ho urs)
I	The Candidate has to select and give inputs in any one of the following.	12
	It many include Anganwadi/ Health services/ Market / Dairy/ Agricultural farmland / NGO / Crèche/ Nursery School/ Hospital/ Fitness center/ Diet councellor/ Boutique/Balwadi/ Youth center/ Primary school/ Vridha Ashram(old age home)/ Divang school/ Mentally challenged institution/ Village panchayat / School councellor/ Dyeing or printing Unit/ Cottage level embroidery or food processing unit / SHGs/ Bank schemes/ Subsidies available/ Industry producing consumer goods	
II	An intervention plan would be developed based on problem identified in the area/ a field visit is mandatory to develop an understanding of the whole process.	
III	The planned intervention to be carried in the selected area	12
	Based on the intervention, the pre-intervention state and post intervention data has to be collected and compared / based on visit and interaction the detailed indepth data has to be collected.	
VI	A detailed Report is to be submitted and evaluated.	10

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Prepared intervention plan on any one of the above areas
- Collection of data related to the area.
- A letter certifying the authenticity of work done from the mentor
- Report of the implemented plan and impact/experience of intervention.

Course prerequisites: To study this course, a student must have had cleared the 4th semester