

HOME SCIENCE

SYLLABUS

for

**4-Year Undergraduate Programme
under Choice Based Credit System
(as Per NEP 2020)**


PATNA WOMEN'S COLLEGE


Autonomous


PATNA UNIVERSITY


3rd Cycle NAAC Accredited at 'A' Grade with 3.58/4


"College with Potential for Excellence" (CPE) Status Accredited by UGC

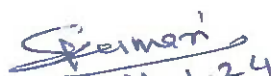

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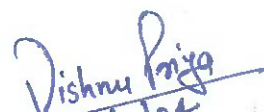

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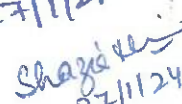

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Vision


Rooted in the life, vision, and teachings of Jesus Christ and inspired by Mother Veronica, the foundress of the Apostolic Carmel, Patna Women's College strives to become a centre of academic excellence in higher education, social responsibility, and empowerment of women.

Mission Statement


Patna Women's College, the first college for women in Bihar, is committed to the holistic development of women so as to make an effective contribution to the creation of a better society.

To this end, we strive


- To become a center of excellence in higher education for women in an atmosphere of autonomy.
- To excel in teaching-learning, research, and consultancy.
- To provide education that promotes capacity building and holistic development of a person.
- To offer subjects for competency building and motivate/animate a workforce imbued with human values.
- To promote patriotism, communal harmony and cultural integration to maintain a free and peaceful atmosphere on the campus.
- To train the students in creative arts, social service, critical thinking, and leadership in order to make an effective contribution to the creation of a new and value-based society.
- To create women leaders and to make them agents of social change.
- To develop skill oriented and value-based courses, for the all-round development of individuals.
- To promote academic exchange and academia-industry interface.
- To form young women who are 'always wise' and who will dare to 'go ahead and conquer knowledge' through, competence, commitment, delicate conscience, and compassion.

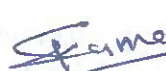

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Aishwari Kumari
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S. Bhargava
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Dishnu Priya
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Shagie Akter
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Syllabus for 4 Year Undergraduate Programme under CBCS System
B.A. Home Science Honours

PSO. No.	Programme Specific Outcome Upon completion of these courses the graduates would
PSO-1	Acquire knowledge in physiology and analytical principles of food and nutrients in diet formulation for all age groups; develop skills in organization and management of food service institutions.
PSO-2	Understand the principles and patterns of growth and development of humans from conception to old age and know the role of family, society and government to ensure development and protection of the rights of vulnerable groups.
PSO-3	Utilize and manage resources and contribute to community development; assess consumer problems and protection, and learn the application of management process in Event Planning & Execution.
PSO-4	Learn the principles, methods and approaches of communication and develop practical skills in Communication Process to reach out to the wider community.
PSO-5	Understand and appreciate the textile – modern and traditional; develop products using design exploration and colour application techniques.
PSO-6	Acquire academic skills with an aptitude for higher studies / research/entrepreneurship in any branch of the programme.

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Rory Kumar
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Ajith Kumar
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Farman
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Vishnu Prasad
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Arshi kumari
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Shazid ul Hassan
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Semester IV

Sl. No.	Name of Course	Type of Course	Credit	Marks
1	Major Course 5	MJC - 5	6	100
2	Major Course 6	MJC - 6	6	100
3	Major Course 7	MJC - 7	6	100
4	Minor Course 4	MIC - 4	3	100
5	Ability Enhancing Course – Social Service/NSS/NCC)	AEC - 4	2	100
Total Credit - 23				

Semester V

Sl. No.	Name of Course	Type of Course	Credit	Marks
1	Major Course 8	MJC - 8	6	100
2	Major Course 9	MJC - 9	6	100
3	Minor Course 5	MIC - 5	3	100
4	Minor Course 6	MIC - 6	3	100
5	Internship	INT - 1	4	100
Total Credit - 22				

Semester VI

Sl. No.	Name of Course	Type of Course	Credit	Marks
1	Major Course 10	MJC - 10	6	100
2	Major Course 11	MJC - 11	6	100
3	Major Course 12	MJC - 12	6	100
4	Minor Course 7	MIC - 7	3	100
5	Minor Course 8	MIC - 8	3	100
Total Credit - 24				

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Syllabus for 4-Year Undergraduate Programme under Choice Based Credit System (CBCS)

B.A. Home Science Honours

Major Courses (MJC) (6 credits each)

Note: 1 credit = 10 hours

1. Theory paper: 6 credits each (5 Theory and 1 Tutorial).
2. Tutorial group of each theory paper should have a group size of 8 students.
3. Practical paper: 6 credits each (4 Theory and 2 Practical).
4. Practical paper will not have tutorials.

Major Course: A course, which should compulsorily be studied by a candidate who wish to pursue an undergraduate degree.

Semester I

1. Human Development I: The Childhood Years (Theory + Practical)

Semester II

2. Food and Nutrition (Theory + Practical)

Semester III

3. Introduction to Textiles (Theory + Practical)
4. Dynamics of Communication (Theory + Practical)

Semester IV

5. Textile Processing (Theory + Practical)
6. Personal Finance and Consumer Studies (Theory + Practical)
7. Nutrition: A Life Cycle Approach (Theory + Practical)

Semester V

8. Extension Education (Theory + Practical)
9. Physiology and Promotive Health (Theory + Practical)

Semester VI

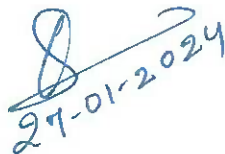
10. Human Development II: Development in Adolescence and Adulthood (Theory)
11. Fashion Design Concepts (Theory + Practical)
12. Resource Management (Theory + Practical)

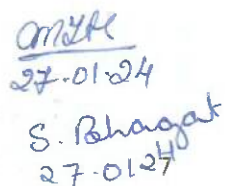
Semester VII

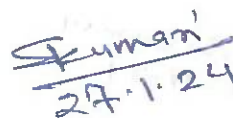
13. Research Methodology in Home Science (Theory + Practical)
14. Indian Textile Heritage (Theory + Practical)
15. Entrepreneurship for Small Catering Units (Theory + Practical)

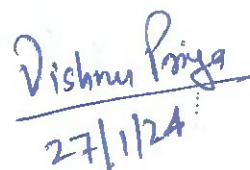
Semester VIII

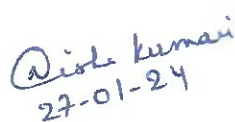
16. Public Nutrition (Theory + Practical)

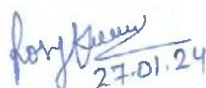

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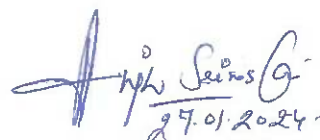

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Vishnu Pring
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Anish Kumar
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Anish Kumar
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Anish Kumar
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Shazid Hussain
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Skill Enhancement Course (SEC) (3 credits)

Skill Enhancement Courses (SEC): These courses may be chosen from a pool of courses designed to provide skill-based knowledge and hands-on training

Semester I

1. Surface Ornamentation

Semester II

2. NGO Management

Semester III

3. Life Skills Education

Ability Enhancement Course (AEC) (2 credits each)

Ability Enhancement Course (AEC): These courses are courses based upon the content that leads to knowledge enhancement through various areas of study.

Semester I

1. MIL: English/ Hindi Communication

Semester II

2. Environmental Science

Semester III

3. Disaster Risk Management

Semester IV

4. Social Service/ NSS/NCC

Internship (INT) (4 Credits)

Semester V

1. Internship

Research Project/ Dissertation (12 Credits)

Semester VIII

1. Research Project/ Dissertation

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Shagie Hussain
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Home Science

4 Year Undergraduate Programme under CBCS Syllabus

Sem.	Major Course (16) 6 Credits each	Minor Course (10) 3 Credits each	Multidisciplinary Course (3) 3 Credits each	Ability Enhance Course (4) 2 Credits each	Skill Enhancement Course (3) 3 Credits each	Value Added Course (2) 3 Credits each
I	HSC MJC 101: Human Development I – The Childhood Years	HSC MIC 101: Care and Well- Being in Human Development	HSC MDC 101: Resources and Sustainable Development	AEC 101: MIL : English/ Hindi communication	HSC SEC 101: Surface Ornamentation	VAC 101: a) Human values & Ethics b) Creative writing in English c) Creative writing in Hindi d) Physical Education e) Soft Skills
II	HSC MJC 202: Food and Nutrition	HSC MIC 202: Maternal and Child Health Programme and Services	HSC MDC 202: Basics of Interior Design and Hospitality Management	AEC 202: Environmental Science	HSC SEC 202: NGO Management	VAC 202: a) Knowledge of India b) Inter- Religious Studies c) Constitutional Values and Rights d) Entrepreneurship Development Skills
III	HSC MJC 303: Introduction to Textiles HSC MJC 304: Dynamics of Communication	HSC MIC 303: Appreciation of Textile Crafts	HSC MDC 303: Fundamentals of Ergonomics	AEC 303: Disaster Risk Management	HSC SEC 303: Life Skills Education	
IV	HSC MJC 405: Textile Processing HSC MJC 406: Personal Finance and Consumer Studies	HSC MIC 404: Human Nutrition		AEC 404: Social Service/NSS/NCC		

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Course Structure for B.A. Home Science (Hons.)

Semester - I	Semester - II
HSC MJC 101: Human Development I : The Childhood Years	HSC MJC 202: Food and Nutrition
HSC MIC 101: Care and Well-Being in Human Development	HSC MIC 202: Maternal and Child Health Programme and Services
HSC MDC 101: Resources and Sustainable Development	HSC MDC 202: Basics of Interior Design and Hospitality Management
AEC 101: MIL : English/ Hindi Communication	AEC 202: Environmental Science
HSC SEC 101: Surface Ornamentation	HSC SEC 202: NGO Management
VAC 101: a) Human values & Ethics b) Creative writing in English c) Creative writing in Hindi d) Physical Education e) Soft skill	VAC 202: a) Knowledge of India b) Inter-Religious Studies c) constitutional Values and Rights d) Entrepreneurship Skill Development

Semester - III	Semester - IV
HSC MJC 303: Introduction to Textiles	HSC MJC 405: Textile Processing
HSC MJC 304: Dynamics of Communication	HSC MJC 406: Personal Finance and Consumer Studies
HSC MIC 303: Appreciation of Textile Crafts	HSC MJC 407: Nutrition: A Life Cycle Approach
HSC MDC 303: Ergonomic Design	HSC MIC 404: Human Nutrition
AEC 303: Disaster Risk Management	AEC 404: Social Service/NSS/NCC
HSC SEC 303: Life Skills Education	

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Home Science (Honours) Details of 4 year Undergraduate Programme under CBCS Syllabus as per NEP 2020

Semester	Course	Lecture	Practical	Tutorial	Total Credits
I. Major Course (16 Papers) -- 06 credits each					
I	1. Human Development I: The Childhood Years	4	2	-	6
II	2. Food and Nutrition	4	2	-	6
III	3. Introduction to Textiles	4	2	-	6
	4. Dynamics of Communication	4	2	-	6
IV	5. Textile Processing	4	2	-	6
	6. Personal Finance & Consumer Studies	4	2	-	6
	7. Nutrition: A Life Cycle Approach	4	2	-	6
V	8. Extension Education	4	2	-	6
	9. Physiology & Promotive Health	4	2	-	6
VI	10. Human Development II: Development in Adolescence and Adulthood	5	-	1	6
	11. Fashion Design Concepts	4	2	-	6
	12. Resource Management	4	2	-	6
VII	13. Research Methodology in Home Science	4	2	-	6
	14. Indian Textile Heritage	4	2	-	6
	15. Entrepreneurship for Small Catering Units	4	2	-	6
VIII	16. Public Nutrition	4	2	-	6
II. Minor Course (10 Papers) – 03/04 credits each					
I	1. Care and Well-Being in Human Development	2	-	1	3
II	2. Maternal and Child Health Programme and Services	2	-	1	3
III	3. Appreciation of Textile Crafts	2	-	1	3
IV	4. Human Nutrition	2	-	1	3
V	5. Gender, Media and Society	2	-	1	3
	6. Child Rights and Social Action	2	-	1	3
VI	7. Fashion Accessories	2	-	1	3
	8. Current Concern in Public Health	2	-	1	3
VII	9. Entrepreneurship Development	3	-	1	4
VIII	10. Extension for Development	3	-	1	4
III. Multidisciplinary Course (03 Papers) – 03 credits each					
I	1. Resources and Sustainable Development	2	-	1	3
II	2. Basics of Interior Design and Hospitality Management	2	-	1	3
III	3. Ergonomic Design	2	-	1	3

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 Aishwarya 27-01-24
 S. Bhagat 27.01.24
 Skarmar 27.1.24
 Dishnu Priya 27/1/24
 Arjun 27.01.24
 Arjun 27.01.24

Home Science (Honours) Details of CBCS Syllabus

Major Courses (6 credits each)

SEMESTER – I

Major Course 1

HSC MJC 101: Human Development I: The Childhood Years

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Recall and recognize the concepts, scope and nature of human development	PSO-2	R
CO – 2	Relate and explain prenatal development and care of the new born	PSO-2	U
CO – 3	Describe, record and identify the various developmental milestones during infancy, preschool and middle childhood years	PSO-2	C, Ap
CO – 4	Demonstrate activities to facilitate development in different domains from birth to middle childhood years	PSO-2	R, Ap

(Remember, understand, create, apply, analyse)

HSCMJC101 : Human Development I: The Childhood Years		
PWC (Theory: 4 credits + Practical: 2 credits)		
Unit	Topics to be covered	No. of hours
1	Introduction to Human Development: Definition, History and Interdisciplinary nature of Human Development, Scope of Human Development in contemporary society, Domains, Stages and Contexts of development, Principles of Growth and Development	10
2	Prenatal Development, Birth and the Neonate: Reproductive health, Conception, Pregnancy and Birth, Capacities and care of the new born	10
3	Infancy and Preschool years: Physical and Motor development, Social and Emotional development, Cognitive and Language development	10
4	Middle Childhood years, Physical and motor Development, Social and Emotional development, Cognitive and Language development	10
	Practical : Methods of interview, observation and narratives and their use; audio – video sources of studying prenatal to middle childhood period, developing activities to facilitate development in different domains etc.	20
	TOTAL	60

Practical Record: Project File

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Shagie kumar
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Aisha kumar
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S. Bhagat
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Prerna
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Romy kumar
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Dishnu Priya
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Aishwarya
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Reading List

1. IGNOU., (2011). Positive psychology-2. MCFT-006 Applied social Psychology, New Delhi, IGNOU.
2. Santrock, J.W., (2007). Life Span Development (3rd ed.). New Delhi, Tata McGraw-Hill.
3. Seligman, M.E.P., (2002). Authentic Happiness: Using the New Positive Psychology to Realize your Potential for Lasting Fulfillment. New York, Free Press.
4. Sriram, R. (2004). Ensuring Infant and Maternal Health in India. In J. Pattnaik (Edition.).
5. Childhood in South Asia: A critical look at issues, policies and programs. Conn.USA: Information Age.
6. Singhi, P. (1999). Child Health & Well-being: Psychosocial Care Within and Beyond Hospital Walls.
7. In T.S. Saraswathi (Ed.). Culture, socialization and human development. New Delhi, Sage.

Multidisciplinary Course 1 HSCMDC101: Resources and Sustainable Development

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Able to understand sustainability and identify major sustainability challenges.	PSO-3	U
CO – 2	Understanding of the carrying capacity of ecosystems as related to providing for human needs.	PSO-3	U
CO – 3	Able to apply concepts of sustainable development to address sustainability challenges.	PSO-3	Ap
CO – 4	Identify, and evaluate their actions with the knowledge and appreciation of interconnections among economic, environmental, and social perspectives.	PSO-3	R, An

HSCMDC101 : Resources and Sustainable Development		
PWC (Total 2 credits: Lecture + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Introduction to concept and dimensions of sustainable development,	05
2	Major conferences and agreements of sustainable development	05
3	Millennium Development Goals (MDGs) and challenges to sustainable development – climate and global change, energy, water resources, population, economic development	10
4	Strategy for sustainability: World Conservation Strategy	05
	Tutorial: Prepare a case profile of any one Govt. or non-govt. organization that contributed to environmental protection in Bihar.	05
	TOTAL	30

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Reading List:

1. Juracek, A. Judy, (2000), Soft Surface, Thames & Hudson Ltd.
2. Milne D'Arcy Jean, (2006), Fabric Left Overs, Octopus Publishing Group Ltd.
3. Singer Margo, (2007), Textile Surface Decoration-Silk & Velvet, A&C Black Ltd.

Value Added Course 1
HSCVAC101: Human Values and Ethics

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Know the meaning and importance of human values; understand variety of moral issues, principles of ethics and morality.	PSO-7	U
CO – 2	Understand the value of harmonious relationships based on trust and respect in life and profession	PSO-7	U
CO – 3	Distinguish between ethical and unethical practices, and start identifying a strategy to actualize a harmonious environment at work place	PSO-7	U, C
CO – 4	Ability to deal with moral issues at work place	PSO-7	Ap

HSCVAC101: Human Values and Ethics PWC (Theory: 03credits)		
Unit	Topics to be covered	No. of hours
1	Variety of Moral Issues, principals of Ethics and Morality: <ul style="list-style-type: none"> • Understanding the harmony in the society (society being an extension of family), Integrity • Work ethics, Courage, Empathy, Self Confidence, Professional Ideas and Virtues, Ethics as a Subset of Morality, • Ethics and Organizations, Duties and Rights of employees and employers. 	08
2	Holistic approach to corporate ethics : <ul style="list-style-type: none"> • Vendantic ethics- Tagore, Vivekananda, Gandhi and Aurobondo on ethics, Ethics in Finance, • Business and Environment, Professional Rights, Intellectual property rights, 	08
3	Corporate responsibility, Social Audit and Ethic Investing, Computer and Ethics.	06

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SEMESTER – II

Major Course 2 HSCMJC202: Food and Nutrition

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Recall the basic concepts of food and nutrition and explain the nutrients, their functions, sources and clinical manifestation	PSO-1	R, U, An
CO – 2	Discuss and analyse the effects of cooking and processing techniques on nutritional properties of food	PSO-1	U, An
CO – 3	Outline the nutritional contribution and selection of various food groups	PSO-1	An.
CO – 4	Explain and demonstrate the principles involved in weighing, portion size and nutritional quality of food	PSO-1	U, Ap

HSCMJC202 : Food and Nutrition		
PWC (Theory: 4 credits + Practical: 2credits)		
Unit	Topics to be covered	No. of hours
1	Basic concepts in food and nutrition: Basic terms used in study of food and nutrition, Understanding relationship between food, nutrition and health, Functions of food - Physiological, psychological and social	04
2	Nutrients: Functions, Dietary Sources and clinical manifestations of deficiency/ excess of the following nutrients: Energy, Carbohydrates, lipids and proteins; Fat soluble vitamins - A, D, E and K; Water soluble vitamins – thiamin, riboflavin, niacin, pyridoxine, folate, vitamin B12 and vitamin C; Minerals – calcium, iron, zinc and iodine	15
3	Cooking and processing of foods: (a) Methods of cooking and effects of cooking: Dry, moist, frying and microwave cooking; Advantages, disadvantages and the effect of various methods of cooking on foods (b) Enhancing the nutritional quality of foods: Supplementation, germination, fermentation, fortification and GM foods	06
4	Food Groups: Structure, composition, Products, nutritional contribution, selection and changes during cooking of the following food groups: Cereals, Pulses, Fruits and vegetables, Milk & milk products, Eggs, Meat, poultry and fish, Fats and Oils, Spices and herbs, Beverages	15

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HSCMIC202 :Maternal and Child Health Programme and Services		
PWC (Theory: 3 credits + Tutorial: 1credit)		
Unit	Topics to be covered	No. of hours
1	Ensuring Children's Health and Nutrition: Child Health Programme under National Health Mission; National Nutrition Mission	07
2	Health Care for all: The National Health Policy; National Health Mission; Health Empowerment;	08
3	Maternal and Child healthcare: Determinants of Maternal and Child Health	05
4	Strategies and Delivery of Services: Programmes and Initiatives: Challenges	05
	Tutorial: Explore various programs and initiatives undertaken by the Indian government to ensure the health and nutrition of children, as well as the promotion of universal healthcare.	05
	TOTAL	30

Reading List

1. Sriram, Rajalakshmi (2006) "Ensuring Infant And Maternal Health In India." *Childhood in South Asia* (2006): 135.
2. Jyotsna Pattnaik(2005) *Childhood in South Asia. A critical look at issues, policies and programs. Research in global child advocacy.* Information Age Publishing. ISBN 1-59233-021-9
3. Kurukshetra (2017) Rural Health, Ministry of Rural Development *A journal on rural development*. Vol.65, No. 9, Page No. 52 ISSN-0021-5660
<http://yojana.gov.in/Kurukshetra%20Eng%20July%20%2717.pdf>
4. Kurukshetra (2019) Rural Prosperity, Ministry of Rural Development *A journal on rural development*. Vol.67, No. 11, Pages. 56,<http://yojana.gov.in/September2019.pdf>
5. Kurukshetra (2020) Health and NutritionMinistry of Rural Development *A journal on rural development*. Vol.68, No. 3, Pages. 56,<http://yojana.gov.in/September2019.pdf>

Multidisciplinary Course 2

HSCMDC202: Basics of Interior Design and Hospitality Management

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Understand the objectives of design and recognize the elements and principles of design and their applications.	PSO-3	U, R
CO – 2	Demonstrate competency in interior designing.	PSO-3	Ap
CO – 3	Understand the significance of hospitality industry.	PSO-1,3	U
CO – 4	Demonstrate competency in the use of design fundamentals as principal tools in establishing design criteria and developing the overall design process.	PSO-3	C

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Skill Enhancement Course 2

HSCSEC202: NGO Management

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Describe and represent concept of NGO	PSO-3	R, U
CO – 2	Illustrate Start up of NGO	PSO-3,6	U, An
CO – 3	Know management of NGO and learn the importance of resource mobilization and documentation	PSO-3	U, R
CO – 4	Write proposal and know the art of planning, implementing and evaluating strategy.	PSO-3	U

HSCSEC202 : NGO Management		
PWC (Total 3 credits: Theory+ Practical)		
Unit	Topics to be covered	No. of hours
1	Concept of NGO: Meaning of NGO and GO, Difference between Government Organizations and NGO, Characteristics of good NGO, Structure of NGO, Functions of NGO, Advantages of NGO	06
2	Starting of NGO: Steps for starting NGO, Registration of NGO, Selection of Personnel, Training of Personnel,	04
3	Identifying Funding agencies, Resource Mobilization.	02
4	Problems of NGO: Training, Recruitment, Funding, Resource Mobilization, Documentation	03
	Practical: Proposal writing under NGO Planning, implementation and Evaluation strategy under NGO, Documentation, PR in NGO. Visit to an existing NGO and prepare a report about the functioning of the NGO	15
	TOTAL	30

Reading List

1. S. Chandra, (2003). Guidelines for NGO Management in India. Kanishka Distributors, New Delhi
2. D. Lewis, (2001). Management of Non Governmental Development Organization, 2nd Edition. Routledge, Newyork.
3. A. Abraham, (2003). Formation and Management of NGOs, 3rd Edition. Universal Law Publishing Co. Pvt Ltd., New Delhi.

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Reading List

1. Corbman, P.B., (1985). Textiles - Fiber to Fabric (6th Edition). Gregg Division, McGraw Hill Book Co., US.
2. Deepali Rastogi and Sheetal Chopra, (2017). Textile Science, Orient Black- Swan Private Limited, Hyderabad.
3. Joseph, M.L., (1988). Essentials of Textiles (6th Edition). Holt, Rinehart and Winston Inc., Florida.
4. Kaplan, N.S., (2008). Textile Fibres, Abhishek Publications, Chandigarh.
5. Kothari, V. K., (2010). Progress in Textile Science, Vol I, II and III, IAFL Publications, New Delhi.
6. Premony Ghosh, (2004). Fibre science and Technology, Tata McGraw- Hill Publishing Company limited, New Delhi.
7. Vilensky, G., (1983). Textile Science. CBS Publishers and Distributors, Delhi.
8. Tortora, G. Phyllis, Understanding Textiles. McMillan Co. USA.

Major Course 4

HSCMJJC304: Dynamics of Communication

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Describe the basic principle of communication	PSO-4	R
CO – 2	Understand the role of self in communication	PSO-4	U
CO – 3	Describe concept, techniques and types of public communication as well as impact of mass media in communication	PSO-4	R, An
CO – 4	Understand and apply group dynamics in organizations and content analysis of mass media	PSO-4	U, Ap

HSCMJJC304 : Dynamics of Communication		
PWC (Theory: 4 credits + Practical: 2 credits)		
Unit	Topics to be covered	No. of hours
1	Communication: Concepts, Functions of Communication, Types of Communication; Principles of Communication, Communication process, Models of Communication, Barriers to Communication, Communicating Effectively	12
2	Self and Communication: Awareness of self in communication, Intrapersonal Communication, Self-concept and self esteem	08
3	Organization and Public Communication: Organizational communication - concept, types, functions and network, Public communication - concept and techniques.	10

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HSCMIC303 : Appreciation of Textile Crafts		
PWC (3 credits : Theory + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Introduction to Textile Crafts: Types and classification; Craftsperson- role and responsibilities; Indigenous and contemporary textile crafts	05
2	Traditional needle craft techniques – Kashida, Kasuti, Kantha, Chikankari, Cutch work and Phulkari	06
3	Dyed, Painted and Printed Textiles - Kalamkari, Bandhani, Ikats, Pichwais, Ajrakh, Bagru;	07
4	Woven Saris of India - Brocades, Jamdani, Baluchar, Paithani, Chanderi, Kanjeevarams	07
	Tutorial : Demonstration of any 2 of the following: Traditional hand stitches, block printing/mud resist printing/bandhani and leharia	05
	TOTAL	30

Practical Record: A Project File

Reading List

1. Bhandari Vandana, (1998) . Textiles and Crafts of India. Prakash Book Depot, New Delhi
2. Chattopadhyaya, K.D., (1995). Handicrafts of India. Wiley Eastern Limited, New Delhi
3. Das, Shukla, (1992). Fabric Art- Heritage of India. Abhinav Publications, New Delhi
4. Lehri, ((2010). Indian Textiles – Ethnic & Beyond. Super Book House, New Delhi
5. INTACH, (2023). Textiles – the Indian Story. Talking Cub (in association with INTACH), New Delhi

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3. R. M. Curie (1984), Work Study, BIM, London.
4. Phevant, S., Body Space, Anthropometry, Ergonomics and Design, Taylor and Francis, London.
5. Swanson, B. Bettye, Introduction Home Management, Macmillan Publishing Company
6. Patni, Manju, (2010). Grih Prabanth
7. Singh, Brinda, Grih-Prabandh and Grih Vyavastah, Panchsheel Prakashan, Jaipur
8. Pheasant, Stephen, (2005). Bodyspace –Anthropometry Ergonomics and the Design of Work, 3rd ed., Custom Publishing
9. Salvendy, Gavriel, (2002). Handbook of human Factors and Ergonomics, 4th Edition, Wiley Publishers.
10. Singh, Lakhwider, Pal, (2016). Work Study and Ergonomics, Cambridge University Press.

Skill Enhancement Course 3

HSCSEC303: Life Skills Education

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Recognize the concept of life skills education	PSO-4	U, R
CO – 2	Relate the importance of communication in imparting life skills education	PSO-4	U, Ap
CO – 3	Understand and develop the implementation of life skills program	PSO-4	An, Ap
CO – 4	Application and approaches of life skills in development of youth	PSO-4	An, Ap

HSCSEC303 : Life Skills Education		
PWC (3 credits: Theory + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Life skills: Definition, origin and concept of life skills – importance in daily living, life skills education, Critical thinking skills, decision making skills, interpersonal communication skills, coping with stress and emotions; self-management skills	8
2	Importance of communication in imparting life skills education: Aspects to develop social potentials (effective listening, speaking, building and maintaining relationships, understanding group dynamics and functioning in groups, delegating responsibilities)	06

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SEMESTER – IV

Major Course 5

HSCMJC405: Textile Processing

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Identify the different weave structures produced in a loom and understand different mechanism of loom in fabric formation and understanding various types of knitting and nonwovens methods.	PSO-5	U
CO – 2	Understand various types and methods of finishing techniques.	PSO-5	Ap
CO – 3	Analyse and apply different dyeing and printing techniques.	PSO-5	An, Ap
CO – 4	Understand the relevance of Eco friendly textiles and Eco marking.	PSO-5	U, Ap

HSCMJC405 : Textile Processing		
PWC (Theory: 4 credits + Practical: 2credits)		
Unit	Topics to be covered	No. of hours
1	Techniques of fabric construction Weaving: Parts of a loom, Operations and motions of the loom; Classification of weaves - Basic weaves and Fancy weaves, construction, characteristics, usage; Knitting: Classification of knits, Construction and properties of warp and weft knits; Non-woven : Types, Construction, Usage	12
2	Basics of Wet Processing - I Fundamentals of Textile Finishes: Classification, Methods, Purpose, Advantages	08
3	Basics of Wet Processing -II Dyeing - Definition, classification, Natural dyes types and properties, Dyeing techniques Printing - Definition, difference between dyeing and printing, hand printing, machine printing and digital printing.	12
4	Textile and environment Banned dyes, Eco-friendly textiles, contamination and effluent treatment, Eco-label and eco marks.	08
	Practical : Fabric analysis of light, medium & heavy weight fabrics (five each) Fibre type, Yarn type, Weave, End use, Trade name Tie and Dye, Block Printing	20
	TOTAL	60

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HSCMJC406 : Personal Finance and Consumer Studies		
PWC (Theory: 4 credits + Practical: 2credits)		
Unit	Topics to be covered	No. of hours
1	Income and Expenditure: Household Income – Types, Sources, Supplementation of family income, use of family income, budgets, maintaining household accounts; Factors influencing expenditure pattern; Family savings and investments- need ,principles, channels of investment, tax implications	13
2	Consumer in India: Definition of a consumer; Role of consumers in the economy, Types of consumer problems – products and service related, Causes and solutions	07
3	Consumer education and empowerment: Consumer Protection, Consumer rights and responsibilities, Basic legislative framework for consumer protection in India, Consumer Protection Act 1986 COPRA, Alternative redressal mechanisms, Mediation centres	10
4	Standardization and quality control measures - ISI, BIS, FPO, AGMARK, ISO, Eco mark, Wool mark, Silk mark, Cotton mark, Handloom mark, BEE star labelling; FSSAI, Codex, HACCP, Food laws	10
	Practical : Evaluation and designing of advertisements in print media; evaluation and designing of labels for food products; Consumer awareness surveys	20
	TOTAL	60

Practical Record: A Project File

Reading List

1. East, Robert (1990). Changing Consumer Behaviour. Cassel Educational Limited, Artillery House, Artillery Row, London
2. Engel, J.F. and Black, Well R.D. (1990). Consumer Behaviour, 4th Edition. Holt Sanders International Edition.
3. Khanna, S.R., Hanspal, S., Kapoor, S. & Awasthi, H. K., (2007). Consumer Affairs. Universities Press India Pvt. Ltd.
4. Sawhney, H. K. & Mital, M., (2007). Family Finance & Consumer Studies. Elite Publishing House Pvt. Ltd.
5. Seetharaman, P. and Sethi, M., (2001). Consumerism: Strength and Tactics. New Delhi, CBS Publishers.

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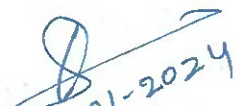
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1. Bamji, M. S., Krishnaswamy, K., Brahmam, GNV. (2009). Textbook of Human Nutrition, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd.
2. Khanna, K., Gupta, S., Passi, S.J., Seth, R., Mahna, R., Puri, S., (2013). Textbook of Nutrition and Dietetics. Phoenix Publishing House.
3. Wardlaw, G. M., Hampl, J.S., DiSilvestro, R. A., (2004). Perspectives in Nutrition, 6th edition. McGraw Hill.
4. Chadha, R., and Mathur, P., (2015). Nutrition: A Lifecycle Approach. Orient Blackswan, Delhi.
5. Gopalan, C., Rama Sastri, B. V., Balasubramanian, S. C., (1989). Nutritive Value of Indian Foods. National Institute of Nutrition, ICMR, Hyderabad.

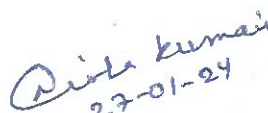
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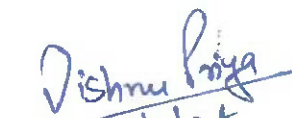
HSCMIC404: Human Nutrition


CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO - 1	Recognize the concepts of food, nutrition and health and describe the food groups and the concept of balanced diet	PSO1	U
CO - 2	Able to understand the nutrients and their dietary sources	PSO1	U
CO - 3	Know the effects of deficiency and excess consumption of various nutrients on health	PSO1	U, An
CO - 4	Understand the nutrition requirements during various stages of life and plan menu to meet the dietary needs	PSO1	U, Ap


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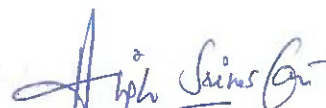

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SEMESTER - V

Major Course 8

HSCMJ508: Extension Education

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Understand the importance and principles of Extension Education.	PSO-4	U
CO – 2	Describe the various methods and aids used in Extension Education.	PSO-4	U, Ap
CO – 3	Acquaint about the significance of rural sociology and the leadership role in rural areas.	PSO-4	U, Ap
CO – 4	Get familiarized with the Rural Development Programmes and Women's Welfare Programme.	PSO-4	R

HSCMJ508 : Extension Education		
PWC (Theory: 4 credits + Practical: 2credits)		
Unit	Topics to be covered	No. of hours
1	Extension Education – Meaning, scope, objectives, needs and importance, Philosophy and principles of Extension Education.	08
2	Extension Teaching Methods – Classification, merits and limitations of methods. Factors affecting choice and use of methods. Audio-visual Aids – Classification, detailed study of aids, factors affecting choice and use of various aids	12
3	Rural sociology and its importance for extension workers, characteristics of rural life, scope of rural upliftment Leadership – Qualities of a leader, identification of leaders, functions and role of a leader.	12
4	Rural Programme Development – Development of state/ country. Role of Home Science in Women's Welfare Programme.	08
	Practical: Preparation of a suitable audio-visual aid for community extension work, Teaching the community with the same prepared audio-visual aid.	20
	TOTAL	60

Practical Record: A Project File

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3	Neuro- Endocrine Physiology: Organization of nervous system; Hormones and their functions.	10
4	Renal Physiology: Structure of kidney and its function; Human reproductive system.	10
	Practical: Compound Microscope: Use of microscope to see different cells. Blood group: Determination of blood groups; Use of Sphygmomanometer: Measurement of human blood pressure. Estimation of hemoglobin	20
	TOTAL	60

Practical Record: A Project File

Reading List

1. Ganong, W. F., (2003). Review of Medical Physiology, 21st Edition. McGraw Hill.
2. J.E. Park and K. Park (2009). Park's Textbook of Preventive and Social Medicine, 20th edition. M/s Banarsi Das Bhanot, Jabalpur.
3. Ross and Wilson (1973). Foundation of Anatomy and Physiology. Medical Division of Longman Group Ltd.
4. Yash Pal Bedi (1980). A Handbook of Social and Preventive Medicine. Atma Ram and Sons.

Minor Course 5

HSCMIC505: Gender, Media and Society

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Identify the social construction of gender and third gender in historical and contemporary perspective	PSO-2	U, Ap
CO – 2	Explore the indicators of gender and human development	PSO-2	Ap
CO – 3	Analyze the representation of gender and third gender in media	PSO-2	An
CO – 4	Understand the constitutional and legal provision for gender and third gender	PSO-2	U

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Minor Course 6

HSCMIC506: Child Rights and Social Action

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Describe the rights of child and role of community in protection of child rights	PSO-2	U, R
CO – 2	Summarise the causes and consequences of vulnerable group	PSO-2	U
CO – 3	Discuss the national and international laws related to children and Evaluate the policies and programmes for children	PSO-2	U,R, An
CO – 4	Recognize and record the documentaries related to violence against children	PSO-2	R, Ap

HSCMIC506 : Child Rights and Social Action		
PWC (Theory 3 credits : Lecture + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Introduction to Child Rights: Definitions of child and child rights, Key philosophical concepts in the discourse on child rights, Factors of exclusion - socio-economic, disability, geo-political and others, Role of family, community and child herself in protecting rights	07
2	Vulnerable Groups: Causes and Consequences, Street and working, destitute, homeless, institutionalized children; Living with: chronic illness, HIV/AIDS, disabilities; Affected by war, conflict, riots, disasters; Victims of child-trafficking, abuse, dysfunctional families Children in conflict with law	10
3	Framework for Social Action: Role of state in protection of child rights; Laws for children- Indian & international; Constitutional provisions in India	06
4	National policies and programmes, Institutional & non-institutional services	05
	Tutorial : Screening of documentaries related to violence against children	02
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SEMESTER - VI

Major Course 10

HSCMJJC610: Human Development II: Development in Adolescence and Adulthood

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Recognize the basic concept of puberty, health, family and peer relationship during adolescence	PSO-2	R
CO – 2	Describe and identify the various developmental milestones of the adolescent period and the developmental tasks of adulthood	PSO-2	U, An
CO – 3	Recall and relate marriage, parenting and grand parenting	PSO-2	R,Ap
CO – 4	State and discuss various personality and intelligence tests	PSO-2	U, An

HSCMJJC610: Human Development II: Development in Adolescence and Adulthood		
PWC (Theory: 5 credits + Tutorial: 1 credit)		
Unit	Topics to be covered	No. of hours
1	Introduction to Adolescence: Developmental tasks during Adolescence; Puberty, sexual maturity, nutrition, health, and psychological well-being; Self and identity; Family and peer relationships; Adolescent interface with media	15
2	Cognitive, Language and Moral development: Perspectives on cognitive development; Development of intelligence and creativity; Adolescent language; Adolescent moral development Theory – (Kohlberg & Jean Piaget	15
3	Introduction to Adulthood: Definitions, transition from adolescence to adulthood; Developmental tasks of adulthood; Physical and physiological changes from young adulthood to late adulthood Significance of health, nutrition, and well being	12
4	Socio-emotional and Cognitive development: Diversity in roles and relationships; Marriage-contemporary trends; Parenting and grand parenting	08
	Tutorial : Case profile of an adolescent; study of adult roles through interview/ questionnaire method; Intelligence and personality tests	10
	TOTAL	60

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2	Importance of clothing: Clothing functions and theories of origin, Clothing terminology, Individuality and conformity, conspicuous consumption and emulation Selection of clothes for self, Selection and Evaluation of ready-made garments	10
3	Components of garment: classification and application; Necklines- high and low; Collars – classification, stand and fall, shawl- flat & raised, shirt collar, peter-pan collar on deep open necklines; Sleeves and cuffs - cap, leg-o-mutton, shirt maker and bishop, pet al & saddler; Skirts - high and low waist, gathered, gored, pleated, flared with & without yokes ; Pockets - applied, in-seam & slashed; Plackets – centralized, asymmetric and double breasted Elements and principles of design; Structural and applied design	12
4	Fashion forecasting: Forecasting background, Forecasting industry; Process: Colour, inspiration, graphics and labelling, fabrication and silhouette, details; mood board	08
	Practical: 1. Flat sketching of garment component 2. Development and identification – (i) Basic stitches, (ii) Seams, (iii) Fasteners, (iv) Plackets, (v) Edge finishes (bindings and finishes) (vi) Pleats and Gathers	20
	TOTAL	60

Practical Record: A Project File and specimen

Reading List

1. Brown, Patty, Rice J., (1998). Ready to Wear Apparel Analysis. Prentice Hall.
2. Castelino, M. (1994). Fashion Kaleidoscope. Rup & Co.
3. Carr, H. and Pomery, J. (1992). Fashion Design and Product Development. Blackwell Scientific Publications, London
4. Marshall, S. G., Jackson, H. O., Stanley, M. S., Kefgen, M. & Specht, T., (2009). Individuality in Clothing & Personal Appearance, 6th Edition. Pearson Education, USA.
5. Tate S.L., Edwards M.S., (1982). The Complete Book of Fashion Design. Harper and Row Publications, New York.

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Reading List

1. Casio, Wayne F. (1985). Managing Human Resource. Mc Graw Hill Book Co., New York
2. Koontz, H. and O'Donnel, C., (2005). Management – A Systems and Contingency Analysis of Managerial Functions. New York, McGraw-Hill Book Company
3. Kreitner, (2009). Management Theory and Applications. Cengage Learning, India
4. Rao, T.V. (1992). Appraising and Developing Managerial Performances, Academy of Human Resource Development. B. K. Publications, Delhi
5. Rao, V.S. and Narayana, P. S., (2007). Principles and Practices of Management. Konark Publishers Pvt. Ltd.

Minor Course 7

HSCMIC607: Fashion Accessories

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Familiarize the students with the history and evolution of Fashion Accessories.	PSO-5	U
CO – 2	Acquaint students with the various Brands and Fashion Designers in the field of Accessory designing and understand their contribution in this field.	PSO-5	U, Ap
CO – 3	Gain knowledge about various styles and categories of accessories in the field of Fashion.	PSO-5	An
CO – 4	Learn about the types, relevance and application of trims in the field of fashion accessories.	PSO-5	U, Ap

HSCMIC607 : Fashion Accessories		
PWC (Theory 3 credits: Lecture + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Introduction to Fashion Accessories - History and overview of accessory design - Importance of fashion accessories in apparel industry	04
2	Role and Significance of Fashion Accessories - Leading contemporary accessory designers and brands - Different Markets of fashion Accessories	06
3	Understanding categories, of fashion Accessories Common styles, components, materials used for - Handbags, - Footwear - Hats	10

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HSCMIC608 : Current Concerns in Public Health Nutrition		
PWC (Total 3credits : Lecture + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Nutritional problems affecting the community: Etiology, prevalence, clinical features and preventive strategies of Undernutrition (Protein energy malnutrition; Nutritional Anemia, Vitamin A Deficiency, Iodine Deficiency Disorders) and Overnutrition – obesity	08
2	Strategies for improving nutrition and health status of the community: Appropriate interventions involving different sectors such as Food , Health and Education	05
3	Nutrition Policy and Programmes: National Nutrition Policy, Integrated Child Development Services (ICDS) Scheme, Mid day Meal Programme (MDMP), National programmes for prevention of Anemia, Vitamin A deficiency, Iodine Deficiency Disorders	07
4	Food and Nutrition Security: Concept, components, determinants and approaches.	05
	Tutorial : Planning and evaluation of low cost nutritious recipes for vitamin A deficiency; Protein Energy Malnutrition and Anemia	05
	TOTAL	30

Reading List

1. Wadhwa, A. and Sharma, S., (2003). Nutrition in the Community - A Textbook. Elite Publishing House Pvt. Ltd., New Delhi.
2. Park, K., (2011). Textbook of Preventive and Social Medicine, 21st Edition. M/s Banarasidas Bhanot Publishers, Jabalpur, India.
3. Bamji, M.S., Krishnaswamy K. and Brahman, GNV. (2009). Textbook of Human Nutrition, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi.
4. Gibney M.J., (2005). Public Health Nutrition.
5. Vir, S. (2011). Public Health Nutrition in Developing Countries, Vol 1 and 2
6. ICMR (1989). Nutritive Value of Indian Foods. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad.
7. ICMR (2011). Dietary Guidelines for Indians – A Manual. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad.

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Reading List

1. Bulmer, M.C. (1984). Sociological Research Methods: An Introduction. Macmillan, Hong Kong
2. Black, J.A. & Champion, D. J., (1976). Methods and Issues in Social Research. New York, John Wiley and Sons.
3. Durafe, A. Vijay & Taradamalle, K. Dhanashree, (2020). Intellectual Property Rights. Wiley Publications, New York
4. Holloway, I. (1997). Basic Concepts of Qualitative Research. Blackwell Science, London
5. Kanvaria, Vinod Kumar, (2018). Academic Writing, Anti-plagiarism and citations. Biblia Implex, Ansari Road, New Delhi
6. Kumar, R., (2005), Research Methodology: A Step by Step Guide for Beginners. Sage Publications, New Delhi.
7. Kerlinger, F. N. and Lee, H.B. (2000). Foundations of Behavioural Research, 4th Edition. Harcourt College Publishers
8. Kothari, C. R., (2008). Research Methodology: Methods and Techniques, 2nd Edition. New Age International Pvt. Ltd., New Delhi.

Major Course 14

HSCMJC714: Indian Textile Heritage

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Analyse the traditional textile arts in their historical perspective and discuss sustenance of traditional textile crafts and interventions by organisations	PSO-5	U, An
CO – 2	Provide an insight into the evolution and socio economic significance of khadi, handloom and handicraft sectors	PSO-5	U, R
CO – 3	Indicate/illustrate care and conservation of traditional textiles	PSO-5	R, Ap
CO – 4	Understand the impact of modernisation and their contemporary status on traditional textile crafts.	PSO-5	U

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Major Course 15

HSCMJC715: Entrepreneurship for Small Catering Units

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Understand the concept of entrepreneurship	PSO-1	U
CO – 2	Get familiarized with the process & procedures for establishing an enterprise.	PSO-1	R,U
CO – 3	Understand the art of food service system planning, organising and management	PSO-1	U
CO – 4	Hands-on experience in planning of a small food service unit	PSO-5,6	C, Ap

HSCMJC715 : Entrepreneurship for Small Catering Units		
PWC (Theory: 4 credits + Practical: 2credits)		
Unit	Topics to be covered	No. of hours
1	Introduction to Food Service Units: Origin of Food Service units, Kinds of food service units	4
2	Food Service System Planning and Management: (A) Planning - Types of kitchen areas, Flow of work and work area relationship, Equipment - Factors affecting selection of equipment; (B) Organization & Management, Functions of management, Personnel Management, Financial Management.	10
3	Food Service Operations: (A) Food Management - Importance of menu and Types of menu (B) Food Production Process - Food purchase and receiving, Storage; Quantity food production: Standardization of recipes, Recipe adjustments and portion control, Quantity food production techniques, Food service, Food hygiene and sanitation	16
4	Planning of a Small Food Service Unit: Preliminary Planning, Survey of types of units, identifying clientele, menu, operations and delivery,	10
	Practical : Market survey of food items; survey of food service units; standardization of a recipe; planning menus for catering units	20
	TOTAL	60

Practical Record: A Project File

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Dishnu Priya
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HSCMIC709 : Entrepreneurship Development		
PWC (4 credits: Lecture + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Introduction to Entrepreneurship: Definition and Concept of Entrepreneurship, Characteristics of Successful Entrepreneurs, Importance of Entrepreneurship in Society, Types of Entrepreneurship.	08
2	Entrepreneurial Process and Opportunity Recognition: Entrepreneurial Process, Opportunity Recognition, Feasibility Analysis, Creativity and Innovation in Entrepreneurship.	07
3	Women Entrepreneurship and Empowerment: concept and significance of women entrepreneurship, contributions of women entrepreneurs to economic development. Motivations and Challenges.	08
4	Business Planning and Strategy: Business Plan Development, Strategic Management for Entrepreneurs, Financial Planning and Management, Risk Management in Entrepreneurship. Effective strategies for entrepreneurs, Scaling and Managing Growth, Social and Ethical Responsibility of Entrepreneurs.	12
	Tutorial : Showcasing inspiring success stories of women entrepreneurs from various industries.	05
	TOTAL	40

Reading List

1. Gundry Lisa K. & Kickul Jill R.,(2007). Entrepreneurship Strategy: Changing Patterns in New Venture Creation, Growth, and Reinvention, SAGE Publications, Inc.
2. Taneja & Gupta, (2001). Entrepreneur Development - New Venture Creation, Galgotia Publishing Company.
3. Khanka, S.S. Entrepreneurial Development, S Chand Publishing.

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Reading List

1. Wadhwa, A. and Sharma, S., (2003). Nutrition in the Community-A Textbook. Elite Publishing House Pvt. Ltd., New Delhi.
2. Park, K., (2011). Park's Textbook of Preventive and Social Medicine, 21st Edition. M/s Banarasidas Bhanot Publishers. Jabalpur, India.
3. Bamji, M. S., Krishnaswamy, K. and Brahnam, GNV, (2009). Textbook of Human Nutrition, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi.
4. ICMR (1989). Nutritive Value of Indian Foods. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad.
5. ICMR (2011). Dietary Guidelines for Indians – A Manual. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad.
6. Jelliffe, D. B., Jelliffe, E. R.P., Zerfas, A. and Neumann, C. G., (1989). Community Nutritional Assessment with special reference to Less Technically Developed Countries. Oxford University Press. Oxford.
7. World Health Organization (2006). WHO Child Growth Standards: Methods and Development

Minor Course 10

HSCMIC810: Extension for Development

CO No.	Course Outcomes	PSOs Addressed	Cognitive Level
CO – 1	Recognize the concept of extension systems.	PSO-4	U, R
CO – 2	Describe extension methods and approaches.	PSO-4	U, An
CO – 3	Understand and analyse the National Developmental Programmes.	PSO-4	U, An
CO – 4	Outline the relationship between communication and extension.	PSO-4	U, An

HSCMIC810 : Extension for Development		
PWC (4 credits: Theory + Tutorial)		
Unit	Topics to be covered	No. of hours
1	Extension: Concept, goals and history; Adult learning components of Extension; Extension systems - types, advantages and disadvantages	08
2	Extension Methods and Approaches: Stakeholders in development; People's participation and social mobilization in development; Leadership and extension- concept theories styles and types of leadership; Diffusion of innovation and adoption; Extension methods and approaches - classification, characteristics and selection	10

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 S. Bhargava
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 Pooja
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