

Department of Liberal Education Era University, Lucknow Course Outline

Effective From: 2023-24

Name of the Program	B.A. / B.Sc. (LIBERAL EDUCATION)			Year/ Semester:	3 rd / 5 th		
Course	Life Span	Course	NH301	Type:	Theory		
Name	Nutrition	Code:			•		
Credits		04		Total Sessions Hours:		Hours	
Evaluation	Internal Continuous	40 M	Iarks	End Term Exam:	35 Marks		
Spread	Assessment:						
Type of Course	C Compulsory	© Core		C Creative	C Life Skill		
Course Objectives	 To provide students with a firm understanding of Nutrition throughout the Lifespan. To enable the students to know physiological changes and nutritional requirements during various stages of life cycle. 						
Course Outo			•	completion, learners wi	ill develo	op following	
attributes:							
Course Outcome (CO)	Attributes						
CO1	Will be able to understand the physiological basis for nutritional needs of normal, healthy humans as they move through life cycle stages.						
CO2	Design food plans to meet the needs of humans at various life cycle stages.						
CO3	Identifying and managing health issues throughout the life span.						
CO4	Provide nutrition counseling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.						
Pedagogy	Interactive, discussion-bases, student-centered, presentation.						
Internal	Mid-term Examination: 20 Marks						
Evaluation Mode	Class test: 05 Marks						
Mode	Online Test/Objective Test: 05 Marks Assignments/Presentation: 05 Marks						
	Assignments/Presentation: 03 Marks Attendance: 05 Marks						
Session Details	Торіс				Hours	Mapped CO	
Unit 1	Nutrition in pregn	15	CO1				
	changes during pregnancy; Nutritional requirements and dietary						
	modifications; Complications of pregnancy and their nutritional						
	management.						
Unit 2	Nutrition in lactation	15	CO2, CO4				
	on efficiency and milk production, food and nutrient requirements						
	during lactation; Problems of breast feeding; Nutritional						
	components of colostrum and breast milk - foremilk, hind milk,						
	Lactogogues.						
	Nutrition during Infancy - Nutritional requirements for Infants,						

	Breast feeding, Advantages of breastfeeding, Breast-feeding vs.														
		formula feedings; Infant formula, Disadvantages of bottle feeding,								ding,					
		Introduction to Weaning foods, Introduction to Supplementary								ntarv					
]					
TI 1/2		foods. Preschool age: growth and development – Physical and mental, 15 CO3													
Unit 3			•	•			•		•			15	CO3		
		preva	lence o	of malr	nutrition	n in pi	eschool	years	and f	food ha	abits,				
		nutriti	ional re	quirem	ents du	ıring pı	reschool	year	and sup	pleme	ntary				
		foods.													
		School age: growth and development, nutritional requirements of													
		school age children, specific problems in feeding school children.													
Unit 4		Adole	escence	phys	ical a	nd phy	ysiologic	cal ch	nanges,	nutrit	ional	15	C	O4	
		reauir	rements	of a	dolesce	nts. Fo	od pre	ference	es and	nutrit	ional				
		proble				,	<u></u>								
		Elder	ly: pł	nysical	and	physi	ological	cha	inges,	nutrit	ional				
			•	•			ge, nut		U						
		proces		1.001	01	-15 u	g-, mar				38				
		proces	33.												
СО-РО	and PS	SO Man	ning												
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	1	1	3	1	2	1	1	1	3	2	1	1	2		
CO2 CO3		1	3	1	1	1	2	1		2		1	1	2	
CO4	1				2	1			1		2				
Strongco	ntributi	on-3,	Average	contribu	tion-2,		owcontril	oution-1	,						
Sugges	ted Re	adings	:												
Text- E	Books	Note:	A reac	ling m	aterial	will be	provide	ed by t	the facu	ılty me	mber v	well in t	ime.		
		1. Anderson L, Dibble MV, Turkki PR, Mitchell HS & Rynbergen HJ. 1982. Nutrition in													
		Health and Disease. JB Lippincott Co. Beal VA. 1980. Nutrition in the Life Span. John Wiley & Sons.													
		2. Krause MV & Mahan LK. 1990. Food, Nutrition and Diet Therapy. WB Saunders.													
Dafa	D.C. I. E.H. E.G.T. Dr. 1070 H. G. d. V. I. V. D.														
 Reference Books Falkner F & Tanner JM. 1978. Human Growth. Vols. I-III. Plenum Press. FAO/WHO/UNU. 1985. Energy and Protein Requirement. Tech. Report 724. WHO. 															
3. Ghosh S. 1988. The Feeding and Care of Infant and Young Children. Voluntary															
Health Association of India, New Delhi.															
4. Khetarpaul N, Katyal Sudha K & Grover I. 2001 Infant Health and Nutrition. Agro Tech. Publ. Academy.															
Para '	Para Text Unit 1:														
https://www.youtube.com/watch?v=t0RpevhamPE Unit 2:															
https://www.youtube.com/watch?v=-g2_j-N6Ic8															
Unit 3:															
https://www.youtube.com/watch?v=U4FMn4BhRt4 Unit4:															
	https://www.youtube.com/watch?v=U4FMn4BhRt4														

Recapitulation & Examination Pattern						
Internal Continuous Assessment:						
Component	Marks	Pattern				
Mid Semester	20	Section A: Contains 10 MCQs/Fill in the blanks/One Word				
		Answer/ True-False type of questions. Each question carries 0.5				
		mark.				
		Section B: Contains 07 descriptive questions out of which 05				
		questions are to be attempted. Each question carries 03 marks .				
Class Test	05	Contains 05 descriptive questions. Each question carries 01				
		mark.				
Online Test/ Objective	05	Contains 10 multiple choice questions. Each question carries 0.5				
Test		marks.				
Assignment/ Presentation	05	Assignment to be made on topics and instruction given by subject				
		teacher.				
Attendance	05	As per policy.				
Total Marks	40					

Course created by:	Dr. Shazia Fatima
	Dr. Pooja Verma

Signature:

Approved by: Prof. Afrozul Haq

Signature: