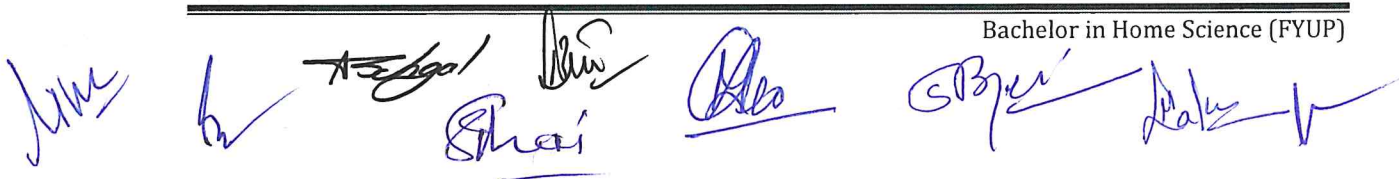


FOUR YEAR UNDERGRADUATE PROGRAM 2024-28
FACULTY OF Home Science
COURSE CURRICULUM

PART A: Introduction			
Program: Bachelor in Home Science (Diploma / Degree/Honors)		Semster : III	
		Session : 2024-25	
1	Course Code	HSSC – 09 T	
2	Course Title	Human Physiology & Community Nutrition	
3	Course Type	DSC	
4	Pre-requisite(if any)	<i>As per Program</i>	
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> • To learn Basic knowledge of Human anatomy. • To understand physiology of various system in human body. • To assess basic concept of community nutrition. • To identify various nutrition deficiency diseases prevalent in Indian community. • To evaluate various prophylaxis programs run by govt. 	
6	Credit Value	3 C	1 Credit = 15 Hours - learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks : 40

PART B: Content of the Course		
Total No. of Teaching – learning Periods (01 hour per period) : 45Period (45 hours)		
Unit	Topics (Course Contents)	No. of Period
I	An introduction of Physiology and Anatomy: Cell – Structure and functions of human cell, Tissues –Classification and structure, Cardio vascular System– Blood –Composition & Functions, Heart–Structure and Functions , Vessels–Structure and Functions of Artery, Veins and Capillaries.	12
II	Gastro intestinal System: Structure and Functions of various organs of the gastro intestinal tract, Digestion and absorption of food. Nervous System :Elementary Anatomy of Nervous System, Functions of different part of the brain and spinal card.	11
III	Excretory System: Structure and functions of kidney, bladder, formation of urine, Respiratory System:Structure of Lungs, Mechanism of respiration and its regulation, Transportation of Gases. Muscular-Skeletal System: Types of Muscles and its functions, Skeletal System–Types of Bones.	11
IV	Concept and Scope of Community Nutrition: Nutritional problems of the community & implications for public health .Common Problems in India – Causes (Nutritional and Non Nutritional Problems) Incidence of Nutritional problems, sigh, symptoms & Treatment. Protein-Energy Malnutrition(PEM), Prophylaxes - Program to Combat Nutritional Problems in India.	11
Keywords:- An introduction of Physiology and Anatomy, Gastro intestinal System, Excretory System, Musculo-Skeletal System, Concept and Scope of Community Nutrition.		



PART C:	
Learning Resources : Text Books. Reference Books, Other Resources	
Text books Recommended –	
<ol style="list-style-type: none"> 1. Concise Medical physiology- Chaudhuri, 1st edition, New Central Book Agency Publication. 2. Anatomy and physiology for nurses- Evilyn pears, 16th edition, Jaypee Brothers Publication. 3. Physiology- Sembulingam, 8th edition, Jaypee Brothers Publication. 4. Physiology – J.P. Agrawal, 2nd edition, Jaypee Brothers Publication. 5. Human Physiology- C.C. Chatterjee, 13th edition, CBS Publication. 6. Text book of Medical Physiology- Guyton, A.C. Hall, 2nd edition, Elsevier India Publication. 7. Fundamental of Medical Physiology- Harinder Singh, 2nd edition, Elsevier Publication. 	
Online Resources:	
<ul style="list-style-type: none"> • Cell- https://www.google.com/search?q=cell&rlz=1C1JJTC_enIN950IN950&oq=cell&aqs=chrome.. • Nervous System https://www.google.com/search?q=nervous+system&rlz=1C1JJTC_enIN950IN950&oq=Ner&aqs=c hrome. • Excretory System- https://www.google.com/search?q=excretory+system&rlz=1C1JJTC_enIN950IN950&oq=exc&aqs=chrome • https://resources.saylor.org/wwwresources/archived/site/wp-content/uploads/2010/11/Nutrition.pdf • https://johnsonbethel.uccs.edu/academics/hpnu 	

PART D: Assessment and Evaluation		
Suggested Continuous Evaluation Methods:		
Maximum Marks:		100 marks
Continuous Comprehensive Evaluation(CCE):		30 Marks
Semester End Exam (SEE):		70 Marks
Internal Assessment:	Internal Test / Quiz(2) –20+20	Better marks out of the two tests/ Quiz + Obtained marks in assignment shall be considered against 30 Marks
Continuous Internal Assessment (CIA)	Assignment/Seminar – 10 Total Marks–30	
End Semester Exam (ESE):	Two section – A & B	
	Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40 Marks	

Name and Signature of Convener & Members of BOS

Dr. Amrita Sehgal Dr. B. Sethi

FOUR YEAR UNDERGRADUATE PROGRAM 2024-28
FACULTY OF Home Science
COURSE CURRICULUM

PART A: Introduction			
Program: Bachelor in Home Science (Diploma / Degree/Honors)		Semester : III	
		Session: 2024-25	
1	Course Code	HSSC – 09P	
2	Course Title	Human Physiology & Community Nutrition (<i>Practical</i>)	
3	Course Type	DSC	
4	Pre-requisite (if any)	<i>As per Program</i>	
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> • To learn Basic knowledge of Human anatomy. • To understand physiology of various system in human body. • To assess basic concept of community nutrition. • To identify various nutrition deficiency diseases prevalent in Indian community. • To evaluate various prophylaxis programs run by govt. 	
6	Credit Value	1 C	<i>1 Credit = 30 Hrs Laboratory/ Field learning/ Training</i>
7	Total Marks	Max. Marks: 50	Min Passing Marks 20

PART B: Content of the Course		No. of Periods
Total No. of Teaching – learning / Performance Periods : 30 periods (30 hours)		
Module	Topics (Course Contents)	
Lab/ Field Training/ Experiment contents of the course	<ol style="list-style-type: none"> 1. Recording pulse rate. 2. Measurement of Blood Pressure. 3. Preparation of temperature chart. 4. Study of Histological slides of different organs. 5. Visit to one Anganwadi centre and record the activities conducted by Anganwadi. 6. Testing of adulterants in common foods (any five). 7. Project-Making report of mid day meal program running at nearby school. 	30
Key Words	Recording pulse rate, Mesuring B P., Temperature Chart, Adulterants	

PART C:
Learning Resources : Text Books. Reference Books, Other Resources
<p><i>Text Books Recommended :</i></p> <ol style="list-style-type: none"> 1. Concise Medical physiology- Chaudhuri, 1st edition, New Central Book Agency Publication. 2. Anatomy and physiology for nurses- Evelyn Pears, 16th edition, Jaypee Brothers Publication. 3. Physiology- Sembulingam, 8th edition, Jaypee Brothers Publication. 4. Physiology – J.P. Agrawal, 2nd edition, Jaypee Brothers Publication. 5. Human Physiology- C.C. Chatterjee, 13th edition, CBS Publication. 6. Text book of Medical Physiology- Guyton, A.C. Hall, 2nd edition, Elsevier India Publication. 7. Fundamental of Medical Physiology- Harminder Singh, 2nd edition, Elsevier Publication
<p>Online Resources:</p> <ul style="list-style-type: none"> • Cell- https://www.google.com/search?q=cell&rlz=1C1JJTC_enIN950IN950&oq=cell&aqs=chrome.. • Nervous System https://www.google.com/search?q=nervous+system&rlz=1C1JJTC_enIN950IN950&oq=Ner&aqs=chrome. • Excretory System- https://www.google.com/search?q=excretory+system&rlz=1C1JJTC_enIN950IN950&oq=exc&aqs=chrome • https://resources.saylor.org/wwwresources/archived/site/wp-content/uploads/2010/11/Nutrition.pdf https://johnsonbethel.uccs.edu/academics/hpnu

PART D :Assessment and Evaluation		
Suggested Continuous Evaluation Methods:		
Maximum Marks:		50 Marks
Continuous Internal Assessment (CIA):		15 Marks
End Semester Exam(ESE):		35 Marks
Internal Assessment: Continuous Internal Assessment (CIA)	Internal Test / Quiz (2) - 10 & 10 Assignment/Seminar+ Attendance - 05 Total Marks - 15	Better marks out of the two tests/ Quiz + Obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam(ESE):	Laboratory / Field Skill Performance : on spot Assessment A. Performed the task based on Lab work - 20 marks B. Spotting based on tools & Technology (written) - 10 marks C. Viva –voce (based on principle/ Technology) - 05 Marks	

Signature of Convener and Members (CBoS):