

## Department of Liberal Education Era University, Luck now Course Outline

Effective From: 2023-24

Name of the Program	B.A. / B.Sc.(LIBER	RA LEDUC	CATION)	Year/ Semester:	1 <sup>st</sup> / 1 <sup>st</sup>			
Course Name	Basic Human Physiology	Course NH101 Type: Code:		Theory				
Credits	(	05		<b>Total Sessions Hours:</b>	75	Hours		
Evaluation	Internal	50 Marks		End Term Exam:	50 Marks			
Spread	Continuous							
	Assessment:							
Type of Course	C Compulsory	Core		C Creative	C Life Skill			
Course Objectives	<ol> <li>Recognize the essential fundamental relationships and orientation of structures in the human body.</li> <li>Distinguish between the various components of the cardiovascular system, including the heart, major arteries and veins, and the lymphatic system.</li> <li>List the components of the respiratory system, including the lungs, trachea, bronchi, and upper respiratory system components.</li> <li>Recognize the components of the gastrointestinal system, beginning at the oral cavity and ending at the rectum, including the major organs associated with digestion</li> </ol>							
attributes: Course Outcome	comes(CO): After the successful course completion, learners will develop following  Attributes							
(CO) CO1	Describe the structure of major human organs and explain their role in the maintenance of healthy individuals.							
CO2	Explain the interplay between different organ systems and how organs and cells interact to maintain biological equilibrium in the face of a variable and changing environment.							
CO3	Understand the functions of important physiological systems including the cardio- respiratory, renal, reproductive and metabolic systems; understand how these separate systems interact to yield integrated physiological responses to challenges such as exercise, fasting and ascent to high altitude, and how they can sometimes fail;							
CO4	Will be able to perform, analyze and report on experiments and observations in physiology.							
Pedagogy	Interactive, discussion-bases, student-centered, presentation.							
Internal Evaluation Mode	Mid-term Examination: 20 Marks Activity: 10 Marks Class test: 05 Marks Online Test/Objective Test: 05 Marks Assignments/Presentation: 05 Marks Attendance: 05 Marks							
Session Details			Торіс		Hours	Mapped CO		
Unit 1	composition, Blood Erythropoiesis and							

		Activity: Determination of pulse rate in Resting condition and after exercise (30 beats/10 beats method)  Determination of blood pressure by Sphygmomanometer (Auscultatory method).												
Unit 2		Digestive System: Structure and functions of G.I. tract, Process of digestion and absorption of food, Structure and functions of liver, gallbladder and pancreas.  Activity:model making (group activity).								CO2	CO2, CO3			
Unit 3		Respiratory System: Structure of Lungs and gaseous exchange (oxygen and carbon dioxide transport).  Musculoskeletal System: functions of muscles, bones. Mechinism of muscle contraction, isometric and isotonic muscle contraction  Activity:Six minute walk test.								,CO4				
Unit 4		refere Endo parath	Excretory system: Structure and functions of kidney in special reference to nephron, Physiology of urine formation.  Endocrine system: Structure and functions of pituitary, thyroid, parathyroid and adrenal gland, Structure and functions of pancreas.  Activity: Measurement of blood glucose level by glucometer.											
CO-PC	) and I	PSO M	apping											
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	1	1	1	1	1	1	1	3	1	1	1	2	1
CO2	1	1	1	1	2	1	1	1	2	1	1	2	1	1
CO3	1	1	2		1	1	2	1	1	2	1	1	2	1
CO4 Strongco	2 patributi	1 on-3	1 4 ver	1 agecontr	ibution-	1 2 I	owcontril	l hution-1	2	1	2	2	1	1
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Text- I	Books	Note: A reading material will be provided by the faculty member well in time.  1. B.D Chaurasia's handbook of General Anatomy 2. Atlas of Human Anatomy 3. Human Anatomy by B.D Chaurasia												
Refer Boo		Gray's Anatomy For Students												
Para	Text Unit 1:													

Recapitulation & Examinat	Recapitulation & Examination Pattern							
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	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 <b>0.5</b>						
		marks.						
		Section B: Contains 07 descriptive questions out of which 05						
		questions are to be attempted. Each question carries 03 marks.						
Activity	10	Will be decided by subject teacher.						
Class Test	05	Contains 05 descriptive questions. Each question carries 01						
		mark.						
Online Test/ Objective	05	Contains 10 multiple choice questions. Each question carries						
Test		<b>0.5</b> mark.						
Assignment/ Presentation	05	Assignment to be made on topics and instruction given by subject						
		teacher.						
Attendance	05	As per policy.						
Total Marks	50							

Course created by: Dr. Shazia Fatima

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Signature:

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Signature: