

Template for Course Plan (Fundamental of Nursing II)

I. Course Description:					
This course is designed to provide student with the basic knowledge and principles of physiology with references to man including body fluids function and composition and functioning of the body systems.					
Course Content:					
A – Theoretical Aspect:					
Learning Outcomes	lecturer hours	No. of Weeks	Sub Topics List	Units/Topics List	Order
a1,a2, b1,b2	2	1	<ul style="list-style-type: none"> ▪ Tissue-formation, repair ▪ Membranes & glands - functions 	Cell Physiology	1
a1,a2, b1,b2	4	2	<ul style="list-style-type: none"> ▪ Bone formation & growth ▪ Bones - Functions and movements of bones of axial and appendicular skeleton, bone healing ▪ Joints and joint movement 	Skeletal System	2
a1,a2, b1,b2	4	2	<ul style="list-style-type: none"> ▪ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture 	Muscular System	3
a1,a2, b1,b2	4	2	<ul style="list-style-type: none"> ▪ Functions of Neurologia& neurons ▪ Stimulus & nerve-impulse- definitions and 	Nervous System	4

			<p>mechanism</p> <ul style="list-style-type: none"> ▪ Functions of brain, spinal cord, cranial and spinal nerves ▪ Cerebrospinal fluid-Composition, circulation and function ▪ Reflex arc, Reflex action and reflexes ▪ Autonomic functions— ▪ Pain: somatic, visceral, and referred ▪ Autonomic learning and biofeedback 		
a1,a2, b1,b2	2	1	Midterm exam		5
a1,a2, b1,b2	6	3	<ul style="list-style-type: none"> ▪ Blood formation, composition, blood groups, blood coagulation ▪ Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation ▪ Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, Control, factors influencing BP and Pulse 	Circulatory System	6
a1,a2, b1,b2	8	4	<ul style="list-style-type: none"> ▪ Functions of respiratory organs ▪ Physiology of respiration 	The Respiratory System	7

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			<ul style="list-style-type: none">▪ Pulmonary ventilation, Volume▪ Mechanics of respiration▪ Gaseous exchange in lungs▪ Carriage of oxygen & carbon-dioxide Exchange of gases in tissues▪ Regulation of respiration.	
a1,a2, b1,b2	2	1	Final exam	8
	32	16	Number of Weeks /and Units Per Semester	