



Subject Syllabus 2014-2015

Division	Secondary School
Department:	Biology
Subject:	Biology
Class:	Third Secondary/3SLS

Subject Details		
Weekly time Allotted	7 periods/Week	
Coefficient	/100	
Grade Distribution	Tests	80%
	Recitations/H.W	5%
	Lab/Class work	5%
	Class participation, presentations	10%
	Others	

Learning Outcome and Description
Key Topics <ul style="list-style-type: none"> • Reproduction and Heredity <ul style="list-style-type: none"> - Meiosis, spermatogenesis, Oogenesis and Fertilization - Dihybrid crosses (interchromosomal and intrachromosomal assortment) - Analysis of pedigrees - Genetic Identity of Individuals. • Immunology <ul style="list-style-type: none"> - Role of the Immune System - Specific/ Non specific immune system - disorders of the Immune System • Neurophysiology <ul style="list-style-type: none"> - Functions of the Neuron - Myotatic reflex - Neurotransmitters • Endocrinology <ul style="list-style-type: none"> - Regulation of Glycemia - Regulation of Menstrual Cycle - Birth Control
General Approach <p>An approach that will involve investigations & activities, which will develop the ability to interpret objectively, discuss & prove scientific facts.</p> <ul style="list-style-type: none"> • Transparencies, power point presentations, functional diagrams and concept maps will be used. • Laboratory sessions supported with prepared worksheets & class demonstration will be held.
Methodology <ul style="list-style-type: none"> • Brainstorming • Analysis and interpretation of experimental results, graphs ,... • Deductions and summing up. • Visits to medical sites related to the subject • Students -Power Point- Presentations.