



UNIVERSITI TEKNOLOGI MARA

BIO200: INTRODUCTION TO TISSUES, CLASSIFICATION OF LIVING THINGS AND ECOLOGY

Course Name (English)	INTRODUCTION TO TISSUES, CLASSIFICATION OF LIVING THINGS AND ECOLOGY APPROVED
Course Code	BIO200
MQF Credit	4
Course Description	This subject introduces students to various fields in biology that covers many aspects of plant, animal and other organisms. Students will be introduced to the classification and evolutionary concepts, including the study of the relationships amongst organisms and between organisms and their environment.
Transferable Skills	Knowledge and communication skill
Teaching Methodologies	Lectures, Lab Work, Demonstrations, Field Trip, Problem Based Learning (PBL), Discussion
CLO	CLO1 State and define terminologies in tissues, taxonomy and ecology. CLO2 State and explain basic biological concepts in taxonomy and ecology. CLO3 Identify, draw, label and describe the characteristics of animal and plant tissues. CLO4 Acquire the skill of doing field work, handling basic laboratory equipments and conducting experiments scientifically
Pre-Requisite Courses	No course recommendations
Topics	
1. Tissues 1.1) Animals 1.2) Plants	
2. Taxonomy 2.1) The classification of living things – the development of taxonomy, the binomial system of classification	
3. Ecology 3.1) Biomes, community, producers, consumers 3.2) Community and ecosystem cycles (the carbon cycle, nitrogen cycle, phosphorus cycle) 3.3) Food webs, food pyramids, ecological succession 3.4) Population dynamics, density and distribution, population growth, growth curves and steady states 3.5) Population control as an adaptation 3.6) Environmental conservations 3.7) Fieldwork 3.8) Marine ecosystem 3.9) Terrestrial ecosystem	

Assessment Breakdown	%
Continuous Assessment	40.00%
Final Assessment	60.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Lab Exercise	Written Report and Manipulative skill (Lab 1,2,3,4,5,6 and 7 - Alternate weeks)	10%	CLO3 , CLO4
	Quiz	Quiz I	1%	CLO1 , CLO3
	Quiz	Quiz II	1%	CLO1 , CLO3
	Quiz	Quiz III	1%	CLO1 , CLO2
	Quiz	quiz IV	2%	CLO1 , CLO2
	Test	Test 1	6%	CLO1 , CLO2 , CLO3
	Test	Test II	7%	CLO1 , CLO2
	Test	Test III	7%	CLO1 , CLO2
	Written Report	Field Trip	5%	CLO4

Reading List	Recommended Text	<ul style="list-style-type: none"> Campbell, N. A. and Reece, J. B. 2008, <i>Biology</i>, 9 Ed., Benjamin/Cummings
	Reference Book Resources	<ul style="list-style-type: none"> Campbell, N.A., Mitchell, L.G. and Reece, J.B 2000, <i>Concepts and Connections with On-line Lab</i>, 3 Ed., Benjamin/Cummings Solomon, E.P., Berg, L.R., & Martin, D.W. 2008, <i>Biology.</i>, 8 Ed., Thomson Raven, P.H., Johnson, G.B. 1995, <i>Volume II, Understanding Biology</i>, 3 Ed., WCB Clegg, C. J., Mackean, D.G. 1994, <i>Advanced Biology: Principles and Application</i>, John Murray (Publishers) Ltd. Green, N.P.O., Stout, G.W., Taylor, D.J. 1998, <i>Biological Sciences.</i>, 3 Ed., Cambridge University Press
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	