



UNIVERSITI TEKNOLOGI MARA

BDY623: GLOBAL BIODIVERSITY

Course Name (English)	GLOBAL BIODIVERSITY APPROVED
Course Code	BDY623
MQF Credit	2
Course Description	This course will discuss the human-nature relationship, and the uses and values of biodiversity. The focus will be the current issue in global biodiversity conservation initiatives particularly in areas with species and habitats under threat. This course explores questions of environmental justice for local communities where there are initiatives for global biodiversity conservation and networks of protected areas.
Transferable Skills	Communication, teamwork and leadership. Problem solving and scientific reasoning. Information management and life-long learning.
Teaching Methodologies	Lectures, Blended Learning, Case Study, Discussion, Presentation
CLO	CLO1 Identify fundamental principles in global biodiversity, outline the components, functions, conservation and management. CLO2 Demonstrate teamwork and knowledge sharing through information analysis related to selected topics in global biodiversity CLO3 Designate working paper in global biodiversity and demonstrate the skills in critical reading of articles in the scientific literature CLO4 Present on selected topics in global biodiversity, implication for society as well as the current techniques used to advance the field of biodiversity
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction 1.1) Biodiversity 1.2) Society	
2. Species Diversity 2.1) Habitats and ecosystems 2.2) Status and current trends	
3. Uses and Values of Biodiversity 3.1) Uses of biological resources 3.2) Valuing biodiversity 3.3) The human-nature relationship and its impact	
4. Conservation and Management 4.1) Biodiversity and social science approaches 4.2) Biodiversity conservation in a changing world 4.3) Management strategies (prevention and restoration) 4.4) Convention on biodiversity	
5. Review Paper on Global Biodiversity 5.1) N/A	
6. Review Paper on Global Biodiversity Conservation and Management 6.1) N/A	
7. Poster/Infographic Design 7.1) Design a poster/infographic to summarize the selected article on topic in global biodiversity	

8. Presentation

8.1) Oral or video presentation to summarize the selected article on topic in global biodiversity (conservation and management)

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Peer review (to use google form) at the end of the course. Refer to the rubric assignment 3 peer review.	10%	CLO2
	Assignment	Find a suitable recent published original article (less than 5 years) on either one of the topics in global biodiversity. Design a poster/infographic to summarize the article according to the rubric assignment 1.	30%	CLO3
	Presentation	Present orally or record your presentation on the prepared poster/infographic according to the given rubric assignment 2.	30%	CLO4
	Test	Consists of 20 multiple choice questions and several short-structured questions. Questions are based on the topics in global biodiversity.	30%	CLO1

Reading List	Recommended Text	<ul style="list-style-type: none"> • Groombridge, B. (Editor) 2012, <i>Global Biodiversity: Status of the Earth's Living Resources. A Report Compiled by World Conservation Monitoring Centre</i>, Springer Science & Business Media United Kingdom [ISBN: 9789401122825] • Lovejoy, T.E. & Hannah, L.J. (Editors) 2004, <i>Climate Change and Biodiversity</i>, Yale University Press United Kingdom [ISBN: 9780300119800] • T. Pullaiah 2018, <i>Global Biodiversity</i>, 1st Edition Ed., Taylor and Francis USA [ISBN: 9780429487750] • Zimmerer, K.S. 2006, <i>Globalization and New Geographies of Conservation</i>, University of Chicago Press USA [ISBN: 9780226983448]
Article/Paper List	This Course does not have any article/paper resources	
Other References	<ul style="list-style-type: none"> • Website <i>Nature Biodiversity Reviews</i> https://www.nature.com/collections/jwvzf qyzvv/ 	