



UNIVERSITI TEKNOLOGI MARA

BDY421: BIODIVERSITY AND PROTECTED AREA

Course Name (English)	BIODIVERSITY AND PROTECTED AREA APPROVED
Course Code	BDY421
MQF Credit	3
Course Description	Many countries including Malaysia having protected areas as the main approach for biodiversity conservation and management. Protected areas are often viewed as islands isolated from their surroundings. However, protected areas are subject to many outside influences and in turn affect neighbouring lands. Biodiversity, protected area and its neighbours were relationships which are not just primarily ecological or physical, but also include cultural, social and economic considerations. Hence, biodiversity resources managers or other stakeholders need to stress the essential of integrating biodiversity conservation with regional development. This course will prepare the student with knowledge on protected area management and its relationship to biodiversity conservation and management. Students will be able to identify and analyze issues, concerns and opportunities related to protected area management. By the end of the semester, students are able to apply knowledge by attempting the decision-making process to develop guidelines or management plan for a protected area.
Transferable Skills	Skills and how they are developed and assessed, Project and practical experience and Internship 1. Addresses arises issues in biodiversity to strengthen the Malaysian protected area system. 2. Apply knowledge gained by attempting the decision-making process to develop guidelines or management plan for a protected area.
Teaching Methodologies	Lectures, Field Trip, Discussion, Project-based Learning
CLO	CLO1 Explain the strategic planning for biodiversity conservation and management using protected area as an approach CLO2 Identify issues, concerns and opportunities to strengthen the Malaysian protected area system CLO3 Relate protected area management to the biodiversity conservation by examining guidelines on managing protected areas in Malaysia
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction 1.1) N/A	
2. The historical background of protected area in Malaysia 2.1) N/A	
3. World and national strategies for conservation in relation to protected areas 3.1) N/A	
4. Protected Area Planning and Management 4.1) N/A	
5. Protected areas management requirements 5.1) N/A	
6. Restoration of degraded ecosystem and habitats 6.1) N/A	
7. Conflict and Conflict Resolution 7.1) N/A	

8. Framework for resolving conflicts 8.1) N/A
9. Involving affected stakeholders 9.1) N/A
10. Benefits and Revenue Generated from Protected Areas 10.1) N/A
11. Issues and problems in capturing benefits 11.1) N/A
12. Protected Areas Management Strategies and Plans 12.1) N/A
13. Adaptive management 13.1) N/A
14. Management Plans and Annual Operation Plans 14.1) N/A

Assessment Breakdown	%
Continuous Assessment	70.00%
Final Assessment	30.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Project	n/a	30%	CLO2
	Presentation	Virtual Presentation	10%	CLO3
	Test	Mid Term Exam	30%	CLO1

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Worboys, G. L., Lockwood, M., Kothari, A., Feary, S. & Pulsford, I. 2015, <i>Protected Area Governance and Management</i>, Anu Press. • Alexander, M. 2013, <i>Management Planning for Nature Conservation: A Theoretical Basis and Practical Guide.</i>, Springer Sciences • Worboys, G. L., Lockwood, M. & De Lacy, T. 2005, <i>Protected Area Management: Principles and Practice</i>, Oxford University Press • Aiken, S. R. 1994, <i>Peninsular Malaysia's Protected Areas' Coverage</i>, 1. Creation, Rescission, Excision, and Intrusion. 2. Environmental Conservation • Borrinni-Feyerabend, G. 1996, <i>Collaborative management of protected areas: Tailoring the approach to the context</i>, Gland, Switzerland: IUCN • Dudley, N., Mulongoy, K. J., Cohen, S., Stolton, S., Barber, C. V. and Gidda, S. B. 2005, <i>Towards Effective Protected Area Systems. An Action Guide to Implement the Convention on Biological Diversity Programme of Work on Protected Areas. Technical Series no. 18</i>, Montreal: Secretariat of the Convention on Biological Diversity • DWNP, EPU, and DANCED 1996, <i>Capacity Building and Strengthening of The Protected Area in Peninsular Malaysia A Master Plan</i>, Department of Wildlife and National Park. Kuala Lumpur • Elagupillay, S. 1998, <i>Gazettement of Protected Areas in Peninsular Malaysia</i>, 16 Ed., The Journal of Wildlife and Parks • Hendee, J. C., and Dawson, C. P. 2002, <i>Wilderness Management</i>, 3rd Ed., Golden, CO: Fulcrum Publishing.

Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources