



## UNIVERSITI TEKNOLOGI MARA

### PMG454: RESOURCES AND ENVIRONMENT

<b>Course Name (English)</b>	RESOURCES AND ENVIRONMENT <b>APPROVED</b>
<b>Course Code</b>	PMG454
<b>MQF Credit</b>	3
<b>Course Description</b>	This course will explore issues related to resources and environment which enable students to understand the issues. It's emphasized the understanding on the important of environment resources and interaction in natural setting. It also focuses on the utilization of resources without and/or with limited impact to the environment and also the positive exploitation of the resources in the planning and development of park.
<b>Transferable Skills</b>	Demonstrate ability to identify and articulate self-skills, knowledge and understanding confidently and in a variety of contexts.
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Tutorial, Presentation
<b>CLO</b>	CLO1 Assess the concept of biology and ecology in the context of the environment. CLO2 Explain the importance of resources to the environment. CLO3 Evaluate the concept of ecology and the importance of resources to the environment with human activities.
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Environment</b> 1.1) Biodiversity	
<b>2. Resources</b> 2.1) Forest, water, air and mineral	
<b>3. The natural system and development</b> 3.1) Ecosystem	
<b>4. land/soil and agriculture</b> 4.1) Conservation/protected area	
<b>5. Environmental Management</b> 5.1) People and the environment	

Assessment Breakdown	%
Continuous Assessment	50.00%
Final Assessment	50.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Group assignment	20%	CLO2
	Individual Project	Individual assignment	15%	CLO2
	Test	Test	15%	CLO1

Reading List	Recommended Text
	<ul style="list-style-type: none"> <li>• Travis P. Wagner, Robert Sanford 2009, <i>Environmental Science</i>, 2nd ed Ed., Wiley [ISBN: 9780470087671]</li> <li>• F. Stuart Chapin, III, Pamela A. Matson, Harold A. Mooney 2002, <i>Principles of Terrestrial Ecosystem Ecology</i>, Springer Science &amp; Business Media [ISBN: 9780387954431]</li> <li>• Daniel B. Botkin, Edward A. Keller 2009, <i>Environmental Science</i>, 4th ed Ed., Wiley [ISBN: 9780470118559]</li> <li>• Cunnigham, W.P., Cunnigham, M.A. 2008, <i>Environmental Science: A global concern</i>, 10th ed. Ed., Mc- graw Hill. USA</li> <li>• Withgott, J.H. and Brennan S.R. 2007, <i>Environment: The Science Behind the Stories</i>, 3rd ed Ed., Prentice Hall</li> </ul>

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