



UNIVERSITI TEKNOLOGI MARA

ADS659: ENVIRONMENTAL MANAGEMENT IN DEVELOPING COUNTRIES

Course Name (English)	ENVIRONMENTAL MANAGEMENT IN DEVELOPING COUNTRIES APPROVED
Course Code	ADS659
MQF Credit	3
Course Description	The course provides a multi-disciplinary overview of the basic problems, concepts, values and methods/approaches of environmental management in developed and developing countries. The course explores current environmental issues in the world such as climate change, pollution, deforestation, waste management, environmental justice and poor countries' dilemma. The first section of the course deals with the basic themes, concepts and issues relating to managing the environment and resource systems. The second part of the course introduces the students to various methods/approaches for governing the environment in developing countries.
Transferable Skills	At the end of the course, students should be able to: o Analyse current environmental problems based on environmental management programs and policies in developing countries. (C4) o Demonstrate effective leadership skills in managing environmental problems at developing countries. (A3) o Demonstrate managerial skills in explaining the effectiveness of environmental management programs and policies practiced in Malaysia. (A3)
Teaching Methodologies	Lectures, Blended Learning, Field Trip, Case Study, Tutorial
CLO	CLO1 Analyze current environmental problems based on environmental management programs and policies in developing countries CLO2 Demonstrate effective leadership skills in managing environmental problems at developing countries CLO3 Demonstrate managerial skills in explaining the effectiveness of environmental management programs and policies practiced in Malaysia.
Pre-Requisite Courses	No course recommendations
Topics	1. Introduction to Environmental Management 1.1) i. Common concepts/terms in environmental management 1.2) ii. The Definition and scope of environmental management 1.3) iii. The nature of environmental management 1.4) iv. The process and goals of environmental management 1.5) v. Environmental management challenges 2. Sustainable Development 2.1) i. The state of the environment 2.2) ii. The concept of limit to development 2.3) iii. The concept of sustainable development 2.4) iv. Polluter-pays principle 2.5) v. The precautionary principle 2.6) vi. The need to adapt and reduce human vulnerability. 2.7) vii. The need to be multidisciplinary and integrative

<p>3. Environment Management and Science</p> <p>3.1) i. New approach to environment science and environmental management 3.2) ii. Structure and function of the environment 3.3) iii. Trophic level and organic productivity. 3.4) iv. The ecosystem 3.5) v. Ecosystem analysis, modeling/monitoring 3.6) vi. Ecosystem system planning and management of biogeophysical units.</p>
<p>4. Stability of the Environment</p> <p>4.1) i. Threatening environmental events 4.2) ii. Environmental crisis 4.3) iii. Growing environmental concern (1750-1960) 4.4) iv. Environmental concern (1960s-1980s) 4.5) v. Environmental concern (1980s- the present)</p>
<p>5. Environmentalism, Ecologism and the Green Movement</p> <p>5.1) i. Environmentalism 5.2) ii. Ecologism and green spirituality 5.3) iii. The green movement 5.4) iv. Social sciences and environmentalism support of environmental management 5.5) v. Ethics for environmental management 5.6) vi. Social aspect of resource use and green economics</p>
<p>6. Global Environmental Problems and Economics</p> <p>6.1) i. Estimating the value of environment and natural resources 6.2) ii. Paying for and encourage environmental management 6.3) iii. Trade and environmental management 6.4) iv. Causes and effects of global warming 6.5) v. Pollution, deforestation, waste management and environmental degradation 6.6) vi. Environmental justice and poor countries' dilemma</p>
<p>7. Environmental Management, Business and Law</p> <p>7.1) i. Environmental management and business 7.2) ii. Corporate environmental management in the 1990s-Present 7.3) iii. Corporate paradigm shift to environmental management ethics 7.4) iv. International law and environmental management 7.5) v. Indigenous people and environmental law 7.6) vi. International conferences and agreements</p>
<p>8. Environmental Management Approaches</p> <p>8.1) i. Participatory environmental management 8.2) ii. Adaptive environmental management and assessment 8.3) iii. Expert systems and environmental management. 8.4) iv. Systems or network approaches 8.5) v. State, local, community, regional and sectoral environmental management 8.6) vi. Transboundary and global environmental management 8.7) vii. Political ecology and economic approaches to environmental management</p>
<p>9. Standard, Monitoring, Auditing and Coordination of Environmental Management</p> <p>9.1) i. Standards, indicator and benchmarks 9.2) ii. Environmental auditing and accounting 9.3) iii. Environmental assessment and evaluation 9.4) iv. Environmental management decision making 9.5) v. Environmental risk and impact management 9.6) vi. Social impact assessment 9.7) vii. Technology and Health risk assessment 9.8) viii. Key global challenges and issues</p>

Assessment Breakdown		%	
Continuous Assessment		100.00%	

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Test	Final Test	30%	CLO1
	Presentation	Presentation	30%	CLO2
	Test	Test	20%	CLO1
	Written Report	Written Report	20%	CLO3

Reading List	Recommended Text
	<ul style="list-style-type: none"> • Barrow, C.J (2006)., <i>Environmental Management for Sustainable Development (2nd Edition)</i>, Routledge, Taylor & Francis Group, UK. • M. C Dash 2014, <i>Concepts of Environmental Management for Sustainable Development</i>, I.K. International Publishing House Pvt. Ltd New Delhi, India [ISBN: 9789382332275]
Reference Book Resources	<ul style="list-style-type: none"> • Ryding, S. O. (1994), <i>Environmental Management Hand Book: The Holistic Approach from problems to Strategies</i>, IOS Press. • Miller, N (2002)., <i>Environmental Politics: Interest Groups, the Media and the Making of Policy</i>, Lewis Publisher • Tietenberg, T. (2007)., <i>Environmental Economics & Policy (5th Edition)</i>. Pearson Addison Wesley. • Cudworth, E. (2002)., <i>Environment and Society</i>. Routledge, Taylor & Francis Group, UK. • Denizhan, E. (ed) (1991)., <i>Environmental Management in Developing Countries</i>, OECD Development Publications • Pearce, D., Pearce, C. & Palmer, C. (2002)., <i>Valueing the Environment in Developing Countries: Case Studies</i>, Edward Elgar. • White, R. (1993)., <i>North, South and the Environmental Crisis</i>, Toronto: Toronto Press • Phillips, M. & Mighal, T. (2000)., <i>Environmental Management and Economic Development in Developing Countries, UK: Center for Environmental Strategy, University of Surrey</i>. • Botkin & Keller (2007)., <i>Environmental Science</i>.
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources