



UNIVERSITI TEKNOLOGI MARA

AGR765: ENVIRONMENTAL MANAGEMENT

Course Name (English)	ENVIRONMENTAL MANAGEMENT APPROVED
Course Code	AGR765
MQF Credit	3
Course Description	This course is to familiarise students with the considerations and processes involved in environmental management and impact from agriculture activities and to develop and apply integrative reasoning and cognitive skills necessary for the understanding of most real-world agriculture environmental problems. Students will be taught by lecturer/instructor on various environmental experiences/perspectives and to develop and execute library/internet based research project with an agricultural and environmental impact emphasis where possible, culminating in a written document and oral presentation.
Transferable Skills	Communication skill Technical writing skill Soft skill
Teaching Methodologies	Lectures, Discussion, Presentation, Journal/Article Critique, Problem-based Learning
CLO	CLO1 Formulate the scope and challenges in environmental situations and define salient (researchable and manageable) aspects of agriculture problems CLO2 Measure and construct the institutional mechanism and instrument in agricultural environmental management CLO3 Display and revise practical constraints on agricultural management activities in relation to environmental protection CLO4 Assemble ideological and normative dimensions of environmental issues affect research and management processes CLO5 Collaborate, motivate and truthful with group members in the group discussion, writing and presentations in the lecture room
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction 1.1) Topics, syllabus, assessment, presentation, project	
2. Environmental Impact 2.1) Pesticides and pest control, prevention and control emission to air	
3. Crop production intensity 3.1) Animal and crop intensity	
4. Waste management 4.1) Food processing, collection storage and application of slurries and manures, management and minimisation	
5. Pesticides 5.1) Pesticides and pest control	
6. Erosion control 6.1) major impacts of irrigation and drainage projects	
7. Soil protection and sustainability 7.1) Soil protection, soil sustainability	
8. Wetland 8.1) Soil and water conservation	

9. Diffuse agricultural pollution 9.1) Fertilizer and pesticides pollution
10. Impacts of agricultural chemicals - pollution 10.1) Soil, water and air pollution
11. Impacts of agricultural chemicals - biotechnology 11.1) GMO, GMP, organic farming
12. Agricultural OSH 12.1) Plantation Convention 1958 (No 110), OSH Convention 1981,
13. ILO Codes of Practice 13.1) ILO Technical Guides, ILO Reports
14. Project presentation 14.1) Oral presentation, report writing

Assessment Breakdown	%
Continuous Assessment	70.00%
Final Assessment	30.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Individual Project	Report - LO1	10%	CLO1
	Individual Project	Report - LO2	10%	CLO2
	Individual Project	Report - LO3	10%	CLO3
	Individual Project	Report - LO4	10%	CLO4
	Individual Project	Presentation	25%	CLO5
	Visual Assessment	Soft skills development	5%	CLO5

Reading List	This Course does not have any book resources
Article/Paper List	This Course does not have any article/paper resources
Other References	<ul style="list-style-type: none"> • Website Elsevier 2020, <i>Agriculture, Ecosystems & Environment</i>, Elsevier, UK http://www.journals.elsevier.com/agriculture-ecosystems-and-environment/ • Website Elsevier 2020, <i>Agricultural Systems</i>, Elsevier, UK http://www.journals.elsevier.com/agricultural-systems/ • Website Elsevier 2020, <i>Ecotoxicology and Environmental Safety</i>, Elsevier, UK http://www.journals.elsevier.com/ecotoxicology-and-environmental-safety/ • Website M. Beniston 2020, <i>Environmental Science & Policy</i>, Elsevier, UK http://www.journals.elsevier.com/environmental-science-and-policy/ • Website Alan Bond 2020, <i>Environmental Impact Assessment Review</i>, Elsevier, UK http://www.journals.elsevier.com/environmental-impact-assessment-review/