



UNIVERSITI TEKNOLOGI MARA

AGA682: TURF MANAGEMENT

Course Name (English)	TURF MANAGEMENT APPROVED
Course Code	AGA682
MQF Credit	3
Course Description	This course will provide students with an appropriate technology in identification, cultivation and maintenance of turf grasses. The student will also be exposed to the wide varieties of turf-grass, major insect and disease management.
Transferable Skills	Reflective learner: Demonstrate ability to identify and articulate self skills, knowledge and understanding confidently and in a variety of contexts.
Teaching Methodologies	Lectures, Blended Learning, Field Trip, Practical Classes
CLO	CLO1 Explain the current concept and the cultural practices of the turf-grass. CLO2 Explain the uses of turf-grass, maintenance and nutrient management in turf management industry. CLO3 Explain the major pests and diseases associated with turf-grass management. CLO4 Apply the knowledge of turf management in turf industry and its supply chain management.
Pre-Requisite Courses	No course recommendations
Topics	
1. 1.0 Introduction: Turf Management History 1.1) 1.1 History of turf-grass. 1.2) 1.2 Turf in Malaysia: 1.3) 1.2.1 Current status and prospects of turf industry 1.4) 1.2.2 Importance of turf management in Malaysia	
2. 2.0 Turf Classification 2.1) 2.1 Types of turf- grass and cultivars 2.2) 2.2 General morphology of selected turf cultivars 2.3) 2.3 Characteristics of turf selected for different purposes	
3. 3.0 Turf Production 3.1) 3.1 Turf production methods 3.2) 3.2 Seed production for propagation 3.3) 3.3 Turf propagation methods	
4. 4.0 Nutrient Management 4.1) 4.1 Soil texture CEC and organic matter, irrigation & drainage 4.2) 4.2 Types of fertilizer 4.3) 4.3 Technique and application 4.4) 4.4 Requirement and care	
5. 5.0 Pest and Disease Management 5.1) 5.1 Identify basic weeds, diseases and demonstrate techniques to measure pest or disease damage 5.2) 5.2 Pesticide, fungicide, herbicide application 5.3) 5.3 Provide for all pest management options including BMP, organic techniques, and IPM programs.	
6. 6.0 Current Issues and Prospects in The Turf Industry 6.1) 6.1 Strategies and program in lawn industry. 6.2) 6.2 Community demand of turf: residential and commercial, parks, cemeteries, utility turf, athletic field, etc. 6.3) 6.3 Golf: Lawn management and golf course components 6.4) 6.4 Environmental issues in turf practices	

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Report	20%	CLO3
	Presentation	Group Presentation	20%	CLO1
	Test	Online Test	20%	CLO2

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