



UNIVERSITI TEKNOLOGI MARA

AGR622: INDUSTRIAL CROPS II

Course Name (English)	INDUSTRIAL CROPS II APPROVED
Course Code	AGR622
MQF Credit	3
Course Description	no description provided
Transferable Skills	Knowledge, leadership, teamwork
Teaching Methodologies	Lectures, Discussion
CLO	<p>CLO1 Verbally and visually (pictures and graphs) relate and discuss the characteristics of selected industrial crop II to Malaysian soil and climate</p> <p>CLO2 Observe, plan, conduct and justify scientific investigations on the characteristics of soil and climate on the selected industrial crop II</p> <p>CLO3 Communicate to peers verbally and to the facilitator in writing, the science investigations and justifications in crop requirements and techniques of raising or growing industrial crop II.</p> <p>CLO4 Collaborate, motivate and truthful with the team members in both the fieldworks and in the classroom.</p>
Pre-Requisite Courses	No course recommendations
Topics	
1. 1. Classification of Industrial crops II based on their uses 1.1) Industrial Crop II 1.2) Cereal crops – rice, maize 1.3) Fruits, beverages, vegetables, starchy crops, nuts and spices	
2. 2. Techniques of growing plantation crop – pepper 2.1) Plant characteristics and selected varieties 2.2) Planting materials and nursery 2.3) Land preparation and planting 2.4) Fertilizer requirement and pest management 2.5) Harvesting and processing of pepper	
3. 3. Techniques of coconut cultivation 3.1) Plant characteristics and kind of varieties 3.2) Methods of growing coconut 3.3) Land preparation and crop management 3.4) Fertilization and pest control 3.5) Harvesting of coconut	
4. 4. Techniques of growing beverages – Tea/Coffee 4.1) Plant characteristics and selected varieties 4.2) Suitable climate for tea cultivation 4.3) Land preparation, planting and fertilization 4.4) Pruning, harvesting and processing	
5. 5. Techniques of cocoa cultivation 5.1) Plant characteristics and kind of fruits 5.2) Planting materials and nursery techniques 5.3) Land preparation, irrigation and fertilization 5.4) Pruning, pest management and harvesting	

6. 6. Techniques of growing kenaf

- 6.1) Plant characteristics and selected varieties
- 6.2) Planting materials and nursery techniques
- 6.3) Land preparation and planting techniques
- 6.4) Fertilization management, pest control and marketing

7. 7. Techniques of sugarcane cultivation

- 7.1) Plant characteristics and selected varieties
- 7.2) Methods of growing sugarcane
- 7.3) Land preparation and planting
- 7.4) Fertilization management and pest control
- 7.5) Harvesting of sugarcane

8. 8. Techniques of growing tobacco

- 8.1) Plant characteristics and selected varieties
- 8.2) Planting materials and nursery techniques
- 8.3) Land preparation and planting techniques
- 8.4) Fertilization management, pest control and marketing

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	ASSIGNMENT	15%	CLO1 , CLO2 , CLO3
	Attendance	ETHICS	2%	CLO1
	Group Project	CONCEPT MAP	4%	CLO1 , CLO2 , CLO3
	Presentation	COMMUNICATION SKILL/ CLASS DIALOGUES	15%	CLO1 , CLO2 , CLO3 , CLO4
	Quiz	QUIZ 1	2%	CLO1 , CLO2
	Quiz	QUIZ 2	2%	CLO1 , CLO2 , CLO3
	Test	TEST 1	10%	CLO1 , CLO2
	Test	TEST 2	10%	CLO1 , CLO2 , CLO3 , CLO4

Reading List	Recommended Text	<ul style="list-style-type: none"> • MARDI 2006, <i>Anggaran Kos Pengeluaran dan Pendapatan bagi Tanaman Industri</i>. Mohamed Nasir, S. (ed). • 2. Wintgens, J. N. 2004, <i>Coffee: Growing, Processing, Sustainable-Production. A guidebook for Growers, Processors, Traders, and Researchers</i>. • MARDI 1990, <i>Panduan menanam dan pemprosesan koko</i>. Berita Publishing, K.L, • MARDI 1990, <i>Sugar cane Production in Peninsular Malaysia</i>. MARDI. K.L,
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	