



UNIVERSITI TEKNOLOGI MARA

AGA552: INDUSTRIAL HORTICULTURE CROP PRODUCTION

Course Name (English)	INDUSTRIAL HORTICULTURE CROP PRODUCTION APPROVED
Course Code	AGA552
MQF Credit	3
Course Description	This course will interactively engage students with the selected industrial horticultural crops based on their uses and economic important. Student will be learned about the production of selected industrial horticultural crop that has a potential as a raw material for downstream processing products. Student will be expose about the uses of this industrial crops and students need to perform investigations via simulations and fieldwork exercise in verbally and writing.
Transferable Skills	Demonstrate ability to communicate clearly and confidently and listen critically
Teaching Methodologies	Lectures, Blended Learning, Field Trip
CLO	CLO1 Describe the production, uses and practices for various industrial horticulture crops in Malaysia. CLO2 Demonstrate the crop requirements and techniques of raising or growing industrial horticultural crops. CLO3 Discuss the downstream activities of selected horticultural crops.
Pre-Requisite Courses	No course recommendations
Topics	
1. An overview of industrial horticultural crops production in Malaysia 1.1) Introduction	
2. Production and processing technology of Mango 2.1) Mango production and processing technology 2.2) Downstream products	
3. Production and processing technology of Pineapple 3.1) Pineapple production and processing technology 3.2) Downstream products	
4. Production and processing technology of Orchid 4.1) Orchid production and processing technology 4.2) Downstream products	
5. Production and processing technology of Coconut 5.1) Coconut production and processing technology 5.2) Downstream products	
6. Production and processing technology of Vegetables 6.1) Vegetables production and processing technology 6.2) Downstream products	

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Learning logs	20%	CLO1
	Case Study	Case study	20%	CLO3
	Presentation	Video presentation	20%	CLO2

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Carroll Shry, Edward Reiley 2011, <i>Introductory Horticulture</i>, 8th Edition Ed., Cengage Learning [ISBN: 9781435480391] • George Acquah 2006, <i>Principles of Crop Production</i>, 4th Edition Ed., Prentice Hall [ISBN: 978-013025967] • Skirvin, R.M. 2006, <i>Introduction to Horticulture</i>, 6th edition Ed., Stipes Publishing L.L.C. [ISBN: 978158874623] • S. Rajan 2007, <i>Propagation of Horticultural Crops</i>, New India Publishing [ISBN: 9788189422486] • G. Jahir Hussain 2012, <i>Tropical Vegetable Production</i>, SBS Publishers [ISBN: 9789380090481] • Chan, Y.K., Tan, S.W and Jamaluddin, S.H. 2010, <i>Breeding Horticultural Crops @ MARDI</i>, Malaysian Agricultural Research and Development (MARDI)

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