

**UNIVERSITI TEKNOLOGI MARA****AGR442: PRODUCTION OF FRUITS AND VEGETABLE CROPS**

<b>Course Name (English)</b>	PRODUCTION OF FRUITS AND VEGETABLE CROPS <b>APPROVED</b>
<b>Course Code</b>	AGR442
<b>MQF Credit</b>	3
<b>Course Description</b>	This course will interactively expose students with fruits and vegetable crop production. Student will identify, discuss and explain economic importance of fruit and vegetable crop as well as the agronomic practices. Topics such as crop protection and after harvest activities including processing of products of the above crops will also be part of the interactive learning process. Lecture sessions employ a mixture of lectures and active learning (self and peer discussions). The outcome shall be assessed through a variety of tools which include the traditional paper examination, field visit and classroom engagement.
<b>Transferable Skills</b>	Knowledge, communications, life long learning, entrepreneur skills
<b>Teaching Methodologies</b>	Lectures, Field Trip, Presentation
<b>CLO</b>	CLO1 Identify and describe the economic importance and potential, geographical distribution, environmental and agronomic factors as well as the status of food crop (fruit and vegetable) in Malaysia CLO2 Discuss the agronomic practices in the production of food crops from planning to marketing CLO3 Demonstrate the ability to organised the communicate thoughts and ideas on current issues related to beverages, orchard and vegetable crop production in Malaysia
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Introduction to fruit and vegetable crops in Malaysia</b> 1.1) n/a	
<b>2. Vegetables</b> 2.1) Bean and Peas / fruit vegetable	
<b>3. vegetables</b> 3.1) leafy vegetables and roots	
<b>4. Oxalidaceae - Averrhoa carambola (starfruits)</b> 4.1) n/a	
<b>5. Anacardiaceae - Mangifera indica (Mango)</b> 5.1) n/a	
<b>6. Rutaceae - Citrus spp.</b> 6.1) n/a	
<b>7. Sapindaceae - Napheleum lapaceaum (Rambutan)</b> 7.1) n/a	
<b>8. Bombaceae - Durio zebathinus (Durian)</b> 8.1) n/a	
<b>9. Myrtaceae - Psidium guajava (Guava)</b> 9.1) n/a	
<b>10. Musaceae - Musa spp. (Banana)</b> 10.1) n/a	
<b>11. Beverages</b> 11.1) n/a	



Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Presentation	VIRTUAL PRESENTATION	10%	CLO3
	Test	ONLINE TEST	20%	CLO1
	Written Report	n/a	30%	CLO2

Reading List	Recommended Text	<ul style="list-style-type: none"> <li>• McMohan, J.M., Konfraneck, A.M., and Rubatzky, V.E. 2007, <i>Plant Science</i>, Pearson/Prentice Hall</li> <li>• Laura, W.R and Robert, P.R. Jr. 2011, <i>Practical Horticulture</i>, 7TH Editon Ed., Prentice Hall</li> </ul>
	Reference Book Resources	<ul style="list-style-type: none"> <li>• Carol Deppe 2010, <i>Breed Your Own Vegetables Varieties: Gardener's &amp; Farmer's Guide to Plant Breeding &amp; Seed Saving</i>, Chelsea Green Publishing</li> <li>• Carol Deppe 2010, <i>The resilient Gardener: Food production and Self Reliance in Uncertain Times</i>, Chelsea Green Publishing</li> <li>• S.A.M.H. Naqvi 2010, <i>Disease of Fruits and Vegetables: Diagnosis &amp; Management</i>, vol. 1 Ed., Kluwer Academic Publisher</li> </ul>

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