



UNIVERSITI TEKNOLOGI MARA

AGR360: FIELD PRACTICAL III

<b>Course Name (English)</b>	FIELD PRACTICAL III <b>APPROVED</b>
<b>Course Code</b>	AGR360
<b>MQF Credit</b>	2
<b>Course Description</b>	The student should be able to conduct fruit farming and be able to identify latest varieties of fruit clones. Students will receive practical training in seed and clone production, and the methods and techniques of propagation. Practical training will include: soil preparation, selection of planting material, planting, maintenance, and harvesting. At this level students are expected to understand theoretical aspects of the fruit farming and also to strengthen their practical skills.
<b>Transferable Skills</b>	demonstrate ability to identify and articulate self skills, knowledge and understanding confidently and in a variety of contents
<b>Teaching Methodologies</b>	Practical Classes
<b>CLO</b>	CLO1 To train the student to do the work for agriculture development CLO2 To expose the student to various types of orchard fruit CLO3 To give the student opportunity to practice in the field what they have learned in the classroom. CLO4 To enhance the student's skills in plantation management
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Land Preparation</b> 1.1) Site selection, clearing, lining techniques, field layout methods.	
<b>2. Fruit tree propagation</b> 2.1) by seed, cutting, marcotting and grafting; 2.2) nursery management.	
<b>3. Planting Techniques</b> 3.1) Hole preparation, mulching, planting and transplanting techniques.	
<b>4. Fertilizer regime</b> 4.1) methods, rate and type of recommended fertilizer application (pocket, trench, broadcasting and foliar application).	
<b>5. Pest management</b> 5.1) n/a	
<b>6. Cultural methods</b> 6.1) Pruning, fruit bagging, sanitation, drainage and others.	
<b>7. Biological methods</b> 7.1) Cover crops, natural enemies (predators, parasites, parasitoids, etc.).	
<b>8. Chemical methods</b> 8.1) Pesticide application, including systemic and contact pesticides.	
<b>9. Pruning</b> 9.1) Maintenance, rejuvenation, and conventional pruning.	
<b>10. Fruit harvesting and marketing</b> 10.1) pre-harvest crop protection, harvesting, and post-harvesting.	
<b>11. Writing an orchard report</b> 11.1) n/a	

<b>Assessment Breakdown</b>	<b>%</b>
Continuous Assessment	100.00%

<b>Details of Continuous Assessment</b>	<b>Assessment Type</b>	<b>Assessment Description</b>	<b>% of Total Mark</b>	<b>CLO</b>
	Attendance	n/a	10%	CLO3
	Group Project	peer evaluation	20%	CLO1 , CLO2
	Practical	care of equipment	10%	CLO1 , CLO3 , CLO4
	Practical	field observation	20%	CLO4
	Presentation	report presentation	10%	CLO3
	Written Report	weekly report	10%	CLO1 , CLO2
	Written Report	final report	20%	CLO1 , CLO2

<b>Reading List</b>	<b>Reference Book Resources</b>	<ul style="list-style-type: none"> <li>• Purseglove, R.J., <i>Tropical Crops</i>, Longman. 465 p</li> <li>• Fageria, N.K., <i>Growth and Mineral Nutrition of Field Crops</i>, Marcel Dekker</li> <li>• Duke, S.O., <i>Physiology of Herbicide Action.</i>, Prentice Hall.</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	