



UNIVERSITI TEKNOLOGI MARA

AGA402: PRINCIPLE OF NURSERY MANAGEMENT

<b>Course Name (English)</b>	PRINCIPLE OF NURSERY MANAGEMENT <b>APPROVED</b>
<b>Course Code</b>	AGA402
<b>MQF Credit</b>	3
<b>Course Description</b>	This course will engage students cognitively and scientifically in areas of nursery management of nursery crops. Students will state and explain the types of nursery, planning, selection, organization and development of the nursery, propagation techniques, and nursery management of the selected crops. Students will perform investigations through fieldwork, verbally and in writing, discuss the relationships with peers and facilitators. Lecture sessions employ a mixture of lectures and discussions. The outcomes shall be assessed through paper examination and classroom engagement.
<b>Transferable Skills</b>	Able to describe and explain the classification, planning and development of nursery management. Assessments are based on communication skills, assignments and fieldtrip.
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Field Trip, Practical Classes
<b>CLO</b>	CLO1 Describe the basic principles of nursery management. (C2, PLO1) CLO2 Display various media components, irrigation and nutrition needs to maximize the production of nursery crops (P4, PLO2) CLO3 Differentiate types of equipment required for nursery production (A3, PLO4) CLO4 Employ and manage the pest and disease of nursery crops (C3,PLO1)
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. 1.0 INTRODUCTION</b> 1.1) n/a	
<b>2. 2.0 NURSERY SITE ORGANIZATION</b> 2.1) n/a	
<b>3. 3.0 TOOLS AND EQUIPMENTS</b> 3.1) n/a	
<b>4. 4.0 NURSERY IVENTORY CONTROL</b> 4.1) n/a	
<b>5. 5.0 GROWING MEDIA</b> 5.1) n/a	
<b>6. 6.0 FERTILIZER AND PLANT NUTRITION</b> 6.1) n/a	
<b>7. 7.0 PEST AND DISEASE MANAGEMENT</b> 7.1) n/a	
<b>8. 8.0 PROPAGATION OF NURSERY PLANT</b> 8.1) n/a	
<b>9. 9.0 NURSERY IRRIGATION SYSTEMS</b> 9.1) n/a	
<b>10. 10.0 CURRENT ISSUES AND TECHNOLOGICAL DEVELOPMENT IN THE NURSERY</b> 10.1) n/a	
<b>11. LAB/ FIELDWORK</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
	Individual Project	Students need to propagate at least 10 plants by using a seed or vegetative part. • For evaluation students need to prepare a video that record their activities.	10%	CLO2
	Individual Project	Video presentation that been prepared by student will be evaluated.	10%	CLO3
	Test	Online test: Test 1=20% Week 7 Test 2= 20% Week 13	40%	CLO1

Reading List	Recommended Text	<ul style="list-style-type: none"> <li>• 2009, <i>How To Start a Profitable Backyard Plant Nursery</i>, HeadStart Publishing [ISBN: 0933239009]</li> <li>• JULIE P. NEWMAN 2014, <i>Container Nursery Production and Business Management Manual</i>, UCANR Publications [ISBN: 1601078420]</li> </ul>
	Reference Book Resources	<ul style="list-style-type: none"> <li>• John Mason 2004, <i>Nursery Management</i>, Landlinks Press [ISBN: 064309024X]</li> <li>• Julie Newman 2008, <i>Greenhouse and Nursery Management Practices to Protect Water Quality</i>, UCANR Publications [ISBN: 1601075715]</li> <li>• Dr. R. R. Sharma, Manish Srivastav 2004, <i>Plant Propagation and Nursery Management</i>, IBDC Publishers [ISBN: 8181890353]</li> <li>• Charles W. Heuser 1997, <i>The Complete Book of Plant Propagation</i>, Taunton Press [ISBN: 1561582344]</li> <li>• Steve Bradley 2006, <i>Propagation Basics</i>, Hamlyn [ISBN: 0600614654]</li> </ul>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	