



## UNIVERSITI TEKNOLOGI MARA

### AGA612: RESEARCH PROJECT I

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| <b>Course Name (English)</b>   | RESEARCH PROJECT I <b>APPROVED</b>  |
| <b>Course Code</b>   | AGA612  |
| <b>MQF Credit</b>  | 2   |
| <b>Course Description</b>  | This course will expose the students to the research in horticultural or agricultural industry. Each student will be attached with supervisor in related field and the students need to carry out a project proposal based on current problems related to horticultural or agricultural. At the end of the semester students are needs to present their research proposal in front of examiners and supervisor. |
| <b>Transferable Skills</b>   | Demonstrate ability to apply creative, imaginative and innovative thinking and ideas to problem solving   |
| <b>Teaching Methodologies</b>  | Lectures, Presentation, Supervision   |
| <b>CLO</b>   | CLO1 Identify research problems and manage all the information about research projects (A4,PLO 9).<br>CLO2 Produce a research proposal based on current needs in horticulture industry (A5,PLO 3).<br>CLO3 Verbally communicate their research idea and present the proposed project in front of supervisor and assessors (A5, PLO 5).  |
| <b>Pre-Requisite Courses</b>   | No course recommendations   |
| <b>Topics</b>  |   |
| <b>1. Introduction to research proposal</b><br>1.1) 1.1 Determination of research objectives<br>1.2) 1.2 Determination of Problem Statement<br>1.3) 1.3 Determination of Literature Review<br>1.4) 1.4 Determination of Research Methodology<br>1.5) 1.5 Determination of References |   |
| <b>2. Background of Study</b><br>2.1) 2.1 Applying critical Literature review  |   |
| <b>3. Report Writing</b><br>3.1) 3.1 Writing scientific dissertation<br>3.2) 3.2 Documentation sources in APA format   |   |
| <b>4. Data Presentation</b><br>4.1) N/A  |   |

| Assessment Breakdown  |  | %       |
|-----------------------|--|---------|
| Continuous Assessment |  | 100.00% |

  

| Details of Continuous Assessment | Assessment Type | Assessment Description                            | % of Total Mark | CLO  |
|----------------------------------|-----------------|---|-----------------|------|
|                                  | Presentation    | Virtual presentation (proposal defend)            | 25%             | CLO3 |
|                                  | Written Report  | written research proposal (supervisor evaluation) | 25%             | CLO1 |
|                                  | Written Report  | written research proposal (examiner 1 evaluation) | 25%             | CLO2 |
|                                  | Written Report  | written research proposal (examiner 2 evaluation) | 25%             | CLO2 |
|                                  |                 |   |                 |      |

  

| Reading List       | Recommended Text   |
|--------------------|--|
|                    | <ul style="list-style-type: none"> <li>• Alan G. Clewer, David H. Scarisbrick 2013, <i>Practical Statistics and Experimental Design for Plant and Crop Science</i>, Wiley</li> <li>• Kwanchai A. Gomez, Arturo A. Gomez 1984, <i>Statistical Research for Agriculture Research</i>, Wiley</li> </ul> |
| Article/Paper List | This Course does not have any article/paper resources  |
| Other References   | This Course does not have any other resources  |