



**Jordan University of Science and Technology**  
**Faculty of Agriculture**  
**Plant Production Department**

PP721 Advanced Vegetable Production

Second Semester 2020-2021

**Course Catalog**

3 Credit Hours. Study of various physiological aspects of growth and production of vegetable crops which include: plant-water relationships, plant nutrition, seed dormancy and germination, production of transplants, flowering, fruiting, harvesting, handling and storage

**Text Book**

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Title</b>             | Journal papers are the references. |
| <b>Author(s)</b>         | refereed scientific journals       |
| <b>Edition</b>           | 1st Edition                        |
| <b>Short Name</b>        | Ref.# 1                            |
| <b>Other Information</b> |                                    |

**Course References**

| Short name | Book name  | Author(s)                       | Edition     | Other Information |
|------------|--|---------------------------------|-------------|-------------------|
| Ref. #3    | Vegetable Production and Practices,                            | Welbaum G E                     | 1st Edition |                   |
| Ref. #4    | World Vegetables. Principles, Production, and nutritive value. | Rubatzky V. E. and M. Yamaguchi | 2nd Edition |                   |
| Ref. #2    | Handouts (different chapters selected from different books }   | updated                         | 1st Edition |                   |

**Instructor**

|                 |                              |
|-----------------|------------------------------|
| Name            | <b>Dr. Ibrahim Makhadmeh</b> |
| Office Location | C4L2                         |
| Office Hours    |                              |

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| Email | ibrahimm@just.edu.jo |
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| <b>Class Schedule &amp; Room</b> |
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Section 1:  
 Lecture Time: Mon, Wed : 13:00 - 14:30  
 Room: LAB

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| <b>Tentative List of Topics Covered</b> |
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| Weeks  | Topic   | References                                   |
|--------|---|--|
| Week 1 | Introduction                                      | From <b>Ref. #3</b>                          |
| Week 2 | Seed germination, Seed priming, Osmo-conditioning | From <b>Ref.# 1</b> ,<br>From <b>Ref. #3</b> |

| Mapping of Course Outcomes to Program Student Outcomes  | Course Outcome Weight<br>(Out of 100%) | Assessment<br>method |
|---|--|----------------------|
| Identify the challenges and opportunities facing the vegetable production in Jordan and worldwide. [10PLO1] | 10%                                    |                      |
| Explain physiological aspects of vegetable crops growth and development. [5PLO1, 10PLO2]                    | 15%                                    |                      |

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|---|
| <b>Relationship to Program Student Outcomes (Out of 100%)</b> |
|---|

| PLO1 | PLO2 | PLO3 | PLO4 | PLO5 | PLO6 | PLO7 |
|------|------|------|------|------|------|------|
| 15   | 10   |      |      |      |      |      |

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