

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Integrated Pest Management (IPM)
Course number	AGPP4301
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - Introduction to the Integrated Pest Management
2 - Introduction of different methods of pest control
3 - Introduction of planning and implementation of IPM programs
4 - Introduction of planning and implementation of IPM programs
5 - Introduction of physical and mechanical pest control methods
6 - Introduction to biological control methods
7 - IPM practices of major crops cultivated in Gaza strip
8 - IPM practices of major crops cultivated in Gaza strip

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Students are aware of the economic and environmental values of applying IPM in crop production * students know the different methods of pest control and how to apply them in one program * Students are aware of safe crop production methods and how minimize the use of pesticides
Professional Skills	<ul style="list-style-type: none"> * students are able to design IPM programs for all major crops in Gaza strip

Course Contents

- 1 - History of plant diseases and control methods
- 2 - Negative impacts of excessive unsafe use of pesticides
- 3 - Negative impacts of excessive unsafe use of pesticides
- 4 - Concept and philosophy of IPM applications
- 5 - Introduction of different methods of pest control that can be integrated in IPM program
- 6 - Mechanical and physical methods of control
- 7 - Biological methods of pest control
- 8 - Legalization of pest control and Quarantine
- 9 - IPM models integrating different methods
- 10 - Seminar on the IPM application on Major crops

Teaching and Learning Methods

- 1 - Lectures
- 2 - Discussion
- 3 - Seminar

Teaching and Learning Methods for the Disabled Students

- 1 - To be prepared when needed

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Midterm exam	8th week	25
Seminar	12th week -15th week	25
final exam	16th week	50

Books and References

Course note Lectures prepared by Dr. Ahmed Saleh