AGI6486 Field and Laboratory Technique in Plant Protection

Level	6
Course Code	AGI6486
Course Title	Field and Laboratory Technique in Plant Protection
Credit value	4
Core/Optional	Optional
Course Aim/s	To enable the student to identify pests and diseases infections
Course Aminys	To chaste the stadent to lacitary posts and discuses infections
Course Learning	Course Outcomes:
Outcomes (CLO):	At the completion of this course student will be able to,
	At the completion of this course student will be able to,
	CO1: Explain the method/s of insect pest identification damaging the crops.
	[PO1] [PO3]
	CO2: Identifying the insect pest damaged crops correctly. [PO1] [PO2] [PO3]
	[PO4]
	CO3: Identify the correct insect that do damage. [PO1] [PO2] [PO3] [PO4] [PO5]
	[PO6] [PO7]
	CO4: Apply the Integrated Pest management systems. [PO1] [PO2] [PO3] [PO4]
	[PO5] [PO6] [PO7] [PO8] [PO9] [PO10] [PO11] [PO12]
	CO5: Explain the field diagnosis of plant diseases [PO1] [PO2] [PO3] [PO4] [PO5]
	[PO6] [PO7] [PO8] [PO9] [PO10] [PO11] [PO12]
	CO6: Discuss different laboratory methods of extracting and identifying disease causal
	organisms. [PO1] [PO2] [PO3] [PO4] [PO5] [PO6] [PO7] [PO8] [PO9]
	[PO10] [PO11] [PO12]
	CO7: Explain nature of different plant diseases. [PO1] [PO2] [PO3] [PO4]
	CO8: Explain the Integrated weed management programme. [PO1] [PO2] [PO3]
	[PO4] [PO5] [PO6] [PO7] [PO8] [PO9] [PO10] [PO11] [PO12]
Content	Outling Collebora
(Main topics, sub	Outline Syllabus:
topics)	Unit 1: Feld and laboratory techniques in Insect damage identification
	Session 1: Field diagnosis of plant insects and it's attacks.
	Session 2: Monitoring and Identification Techniques for Insect Pests
	Session 3: Insect peat orders and there characteristics
	Session 4: Insect pests of cereals
	Session 5: Insect pests of pulses.
	Session 6: Insect pests of vegetables.
	Session 7: Insect pests of fruits.
	Session 8: Insect pests of ornamentals.
	Session 9: Polyphagous insect pests.
	Session 10: Principles of IPM: Pest Identification I
	Session 11: Principles of IPM: Pest Identification II
	Session 12: Preparing Insect pest collection
	Unit 2: Feld and laboratory techniques of plant pathology
	Session 13: Field diagnosis of a plant disease – recognizing and interpreting symptoms
	Session 14: Preliminary laboratory identification of diseases
	Session 15: Laboratory techniques of identifying Bacterial diseases
	Session 16: Laboratory techniques of identifying Fungal diseases

Session 17: Laboratory techniques of identifying Nematode diseases

Session 18: Plant diseases of cereals

Session 19: Plant diseases: Pulses

Session 20: Plant diseases of vegetables

Session 21: Plant diseases of fruit plants

Session 22: Plant diseases of cash crops

Session 23: Plant diseases of ornamentals

Unit 3: Feld and laboratory techniques of plant pathology

Session 24: Major weeds in our environment

Session 25: Preparing weed collection

Session 26: Integrated weed management

Laboratory Work: Yes

- 1. Identifying different isolating techniques of plant causal organisms.
- 2. Evaluating pest damage extent by insect counting.