Plant Protection

Objective:

To educate students on the identification, control, and management of pests and plant diseases. The subject aims to integrate pest management techniques to ensure crop health and productivity.

Course Topics:

1. Entomology (Insect Pests and Management)

- Introduction: Overview of entomology (insect pests and management) in the context of agriculture.
- Objectives: To understand key concepts and practical applications of entomology (insect pests and management).
- Syllabus:
  * Basic principles and concepts
  * Tools, methods, and technologies used
  * Case studies and practical applications
  * Fieldwork and experiments
- Learning Outcomes:
  * Students will be able to explain the fundamentals of entomology (insect pests and management).
  * Analyze real-life agricultural problems related to entomology (insect pests and management).
  * Apply theoretical knowledge in practical field conditions.
  * Demonstrate improved decision-making and problem-solving skills.

2. Plant Pathology (Diseases and Control)

- Introduction: Overview of plant pathology (diseases and control) in the context of agriculture.
- Objectives: To understand key concepts and practical applications of plant pathology (diseases

and control).

- Syllabus:
  * Basic principles and concepts
  * Tools, methods, and technologies used
  * Case studies and practical applications
  * Fieldwork and experiments
- Learning Outcomes:
  * Students will be able to explain the fundamentals of plant pathology (diseases and control).
  * Analyze real-life agricultural problems related to plant pathology (diseases and control).
  * Apply theoretical knowledge in practical field conditions.
  * Demonstrate improved decision-making and problem-solving skills.

3. Integrated Pest Management

- Introduction: Overview of integrated pest management in the context of agriculture.
- Objectives: To understand key concepts and practical applications of integrated pest management.
- Syllabus:
  * Basic principles and concepts
  * Tools, methods, and technologies used
  * Case studies and practical applications
  * Fieldwork and experiments
- Learning Outcomes:
  * Students will be able to explain the fundamentals of integrated pest management.
  * Analyze real-life agricultural problems related to integrated pest management.
  * Apply theoretical knowledge in practical field conditions.
  * Demonstrate improved decision-making and problem-solving skills.